

FIȘA DE CALCUL A ÎNDEPLINIRII STANDARDELOR MINIMALE

Domeniul: INGINERIA MATERIALELOR

(conform Ordin 6129/2016 Anexa 7, privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatului de abilitare)

CS II dr. ing. Mihai Alin Pop

Tabel centralizator

Condiții		Îndeplinire condiții	
A. Doctor		Diplomă de Doctor, seria G nr. 0001851, emisă în baza Ordinului Ministrului Educației, Cercetării și Inovării nr. 4698/14.08.2009	
B. Îndeplinirea standardelor minimale naționale, Ordinului Ministrului Educației Naționale și Cercetării Științifice nr. 6129/2016 [MENCS nr. 6129/2016]			
Condiții minimale abilitare, echivalent Profesor [Punctaj]		Minim prevăzut	Realizat
A1. Activitate didactică și profesională		60	98.831
A2. Activitatea de cercetare		320	1718,244
A3. Recunoașterea și impactul activității		120	1840.52
Total (A)		500	3657.6
Condiții minimale obligatorii pe subcategorii [Număr]		Minim prevăzut	Realizat
A1: Activitatea didactică și profesională		60	98,831
A.1.1. Cărți și capitole în cărți de specialitate în edituri recunoscute		-	83,099
1.1.1 Cărți/capitole ca autor:	1.1.1.1. Internaționale	-	1 prim autor
	1.1.1.2. Naționale	2, d.c. 1 prim autor	1
1.1.2 Cărți / capitole ca editor:	1.1.2.1 Internaționale	-	1
A.1.2. Suport didactic		-	15.732
1.2.1. Manuale didactice, monografii inclusiv electronice		-	7, din care 2 prim autor

A2. Activitatea de cercetare	320	1718,244
A.2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings [condiții minimale]	15	73
Din care: Articole în reviste cotate ISI Thomson Reuters	10	64
Minim 5 lucrări în Reviste cotate ISI Th.R. cu F.I. ≥ 1	5	10
Minim 5 lucrări ISI ca autor principal cu F.I. $\geq 0,5$	5	16
A.2.1. Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings [punctaj]	-	1500,41
A.2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale [BDI], în specificul postului scos la concurs	-	35 articole 42,834
A.2.3. Brevete de invenție [punctaj]	-	10
2.3.1. Naționale	-	1
A.2.4. Granturi/proiecte de cercetare câștigate prin competiție/ Contracte cu agenți economici, minim 10000 echivalent Euro încasați [punctaj]	-	165
A.2.4. Granturi/proiecte de cercetare câștigate prin competiție/ Contracte cu agenți economici, minim 10000 echivalent Euro încasați [condiții minimale]	2	4, din care 2 internațional și 2 naționale
2.4.1. Granturi/proiecte de cercetare ca Director	1	4
2.4.2. Granturi: membru în echipă/ 2.4.2.1. Internaționale	-	16
A3. Recunoașterea și impactul activității	120	1840.52
A.3.1. Citări în reviste cotate în ISI [FI Factor de Impact] și în alte BDI [punctaj]	-	1792,02
3.1.1. Citări ISI [condiții minimale, număr] / punctaj	30	492
3.1.2. Citări BDI [număr]	-	6 / 4.5
A.3.3. Membru în colectivele de redacție sau comitete științifice ale revistelor și manifestărilor științifice, organizator de manifestări științifice/Recenzor pentru reviste și manifestări științifice naționale și internaționale neindexate. [punctaj]	-	40
A.3.6. Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării [punctaj]	-	4
3.6.4. Asociații profesionale, 3.6.4.2. Naționale	-	2
3.6.5. Membru în organizații în domeniul educației și cercetării, 3.6.5.2 Membru	-	2

A1 Activitatea didactică și profesională (Profesor min 60)

Tip Criteriu	Criteriu / Descriere	Formula	Punctaj	Dovada
1.1.1.1	Cărți/capitole ca autor internaționale			
	titluC:Advanced composites used for thin-walled models fabrication editura:Lambert Academic Publishing isbn:978-3-8454-7241-6 AnAparitie:2018 NrAutori:3 NrPagini:161 AutorPrincipalCN:true	161/(2*3)	26.833	link
1.1.1.2	Cărți/capitole ca autor naționale			
	titluM:Metode numerice editura:Editura Printech, Bucuresti isbn:978-606-23-1579-5 AnAparitie:2024 NrAutori:3 NrPagini:109 AutorPrincipalCN:false	109/(5*3)	7.266	link
1.1.2.1	Carti/capitole ca editor internaționale			
	titlu:Advances in Sustainable Polymeric Materials II Editură:MDPI isbn:978-3-7258-1326-1 Dată:2024 NrEditori:2 Număr pagini:294	294/(3*2)	49	link
1.2.1	Manuale didactice/monografii, inclusiv electronice			
	titluM:Tehnologii si materiale avansate utilizate in ingineria materialelor editura:Printech isbn:9786062315733 AnAparitie:2024 NrAutori:5 NrPagini:133 AutorPrincipalMD:true	133/(10*5)	2.66	link
	titluM:Modelarea matematica si simularea pe calculator a solidificarii pieselor metalice turnate centrifugal editura:Editura Universitatii Transilvania din Brasov isbn:978-606-19-1237-7 AnAparitie:2020 NrAutori:9 NrPagini:97 AutorPrincipalMD:false	97/(10*9)	1.077	link
	titluM:Cercetari prin simulare si experiment privind solidificarea pieselor metalice turnate centrifugal editura:Editura Universitatii Transilvania din Brasov isbn:978-606-19-1247-6 AnAparitie:2020 NrAutori:9 NrPagini:197 AutorPrincipalMD:false	197/(10*9)	2.188	link
	titluM:Simularea solidificarii pieselor cu simetrie de rotatie editura:Editura Universitatii Transilvania din Brasov isbn:978-606-19-1239-1 AnAparitie:2020 NrAutori:9 NrPagini:200 AutorPrincipalMD:false	200/(10*9)	2.222	link
	titluM:Simularea solidificarii pieselor turnate din aliaje care se solidifica in interval de temperatura editura:EDITURA UNIVERSITATII TRANSILVANIA DIN BRASOV isbn:978-606-19-03375-5 AnAparitie:2014 NrAutori:8 NrPagini:170 AutorPrincipalMD:false	170/(10*8)	2.125	link
	titluM:Spumele metalice obtinere, caracterizare, aplicatii editura:Editura Albastra isbn:978-973-650-303-0 AnAparitie:2014 NrAutori:5 NrPagini:168 AutorPrincipalMD:false	168/(10*5)	3.36	link
	titluM:Studiul grafenelor cu aplicatii in ingineria materialelor avansate editura:Editura Albastra isbn:9789736503283 AnAparitie:2024 NrAutori:3 NrPagini:63 AutorPrincipalMD:true	63/(10*3)	2.1	link
Total realizat criteriul A1:				98.831

A2 Activitate de cercetare (Profesor min 320)

2.1.1	Articole in reviste cotate ISI			
	Coterlici, R. F., Geaman, V., Pop, M. A. , Bedo, T., Radomir, I., Chivu, O. R., ... & Semenescu, A. (2016). Thermal Analysis Studies Regarding the Eco-Composites Based on Jute by Applying Salinity Treatment. REVISTA DE CHIMIE, 67(10), 2049-2052. FI = 1.412	(50*1.412)/ 8	8.825	WOS:000388359900033, link
	Geaman, V., Pop, M. A. , Radomir, I., Bedo, T., Florea, B., Semenescu, A., ... & Gligor, M. A. (2016). Lubrication of High Speed Ball-Bearings Using Polymer Additives. Rev. Chim.(Bucharest), 67(11), 2207. FI = 1.412	(50*1.412)/ 8	8.825	WOS:000388361900016, link
	Zaharia, S. M., Morariu, C. O., Nedelcu, A., & Pop, M. A. (2017). Experimental study of static and fatigue behavior of cfrp-balsa sandwiches under three-point flexural loading. BioResources, 12(2), 2673-2689. FI = 1.321	(50*1.321)/ 4	16.5125	WOS:000402883700032, link
	Pop, M. A. , Geaman, V., Radomir, I., Bedo, T., Milosan, I., Semenescu, A., ... & Chivu, O. R. (2017). Effect of Different Solutions on the Handmade Composite Materials. Rev. Chim.(Bucharest), 68, 467. FI = 1.412, (autor principal-corespondent)	(50*1.412)/ 8	8.825	WOS:000400731900008, link
	Zaharia, S. M., Pop, M. A. , Semenescu, A., Florea, B., & Chivu, O. R. (2017). Mechanical properties and fatigue performances on sandwich structures with CFRP skin and nomex honeycomb core. MATERIALE PLASTICE, 54(1), 67. FI = 1.248 (autor principal-corespondent)	(50*1.248)/ 5	12.48	WOS:000400629900016, link
	Pop, M. A. , Geaman, V., Radomir, I., & Bedo, T. (2017). Capacity of energy absorption by flick through shock in cooper foams. Journal of Porous Media, 20(5). FI = 1.144, (autor principal-corespondent)	(50*1.144)/ 4	14.3	WOS:000405350900003, link
	Zaharia, S. M., Pop, M. A. , Chicos, L. A., Lancea, C., Semenescu, A., Florea, B., & Chivu, O. R. (2017). An Investigation on the Reliability and Degradation of Polycrystalline Silicon Solar Cells Under Accelerated Corrosion Test. MATERIALE PLASTICE, 54(3), 466. AutorPrincipal:true FI = 1.248, (autor principal-corespondent)	(50*1.248)/ 7	8.9142	WOS:000426412300012, link
	Pop, M. A. , Geaman, V., Radomir, I., Bedo, T., Milosan, I., Zaharia, S. M., ... & Chivu, O. R. (2017). The Degradation Effects to Hand Made Composite Materials by Using Acids. MATERIALE PLASTICE, 54(3), 433. FI = 1.248, (autor principal-corespondent)	(50*1.248)/ 9	6.9333	WOS:000426412300006, link
	Lancea, C., Chicos, L. A., Zaharia, S. M., Pop, M. A. , Semenescu, A., Florea, B., & Chivu, O. R. (2018). Accelerated corrosion analysis of AISi10Mg alloy manufactured by selective laser melting (SLM). Rev. Chim.-Buchar., 69, 975-981. FI = 1.412 , (autor principal-corespondent)	(50*1.412)/ 7	10.0857	WOS:000433223000046, link
	Croitoru, C., Spirchez, C., Lunguleasa, A., Cristea, D., Roata, I. C., Pop, M. A. , ... & Pascu, A. (2018). Surface properties of thermally treated composite wood panels. Applied Surface Science, 438, 114-126. FI = 4.439	(50*4.439)/ 9	24.6611	WOS:000425731200013, link
	Milosan, I., Flamant, GILLES, Voiculescu, IONELIA, Geanta, VICTOR, Munteanu, DANIEL, Bedo, T., Pop, M.A. ... & Giacomelli, I. (2018). Comparative Study of Heat Treatment Effects Performed with Solar Energy and Electric Furnace on EN 1.4848 Stainless Steel Alloyed with Co, W, Cu and Mo. REVISTA DE CHIMIE (Bucharest), 69(5), 1050-1054. FI = 1.412	(50*1.412)/ 15	4.7066	WOS:000434954100004, link
	Croitoru, C., Spirchez, C., Cristea, D., Lunguleasa, A., Pop, M. A. , Bedo, T., ... & Luca, M. A. (2018). Calcium carbonate and wood reinforced hybrid PVC composites. Journal of Applied Polymer Science, 135(22), 46317. FI = 1.901	(50*1.901)/ 8	11.8812	WOS:000426508700017, link
	Chicos, L. A., Zaharia, S. M., Lancea, C., Pop, M. A. , Cañadas, I., Rodríguez, J., & Galindo, J. (2018). Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting. Solar Energy, 173, 76-88. FI = 4.374	(50*4.374)/ 7	31.2428	WOS:000452940800007, link
	Tiron, E. L., Crisan, A., Bedó, T., Stoicanescu, M., Pop, M. A., & Cristea, D. (2018). The Influence of Galvanizing Parameters	(50*1.34)/6	11.1666	WOS:000443966400018, link

on the Structural Development of Zn-Al-Based Coatings. Journal of Materials Engineering and Performance, 27(9), 4548-4560. FI = 1.34			
Pop, M. A. , Croitoru, C., Bedo, T., Geamăn, V., Radomir, I., Cosnită, M., ... & Milosan, I. (2019). Structural changes during 3D printing of bioderived and synthetic thermoplastic materials. Journal of Applied Polymer Science, 136(17), 47382. FI = 1.901, (autor principal-corespondent)	(50*1.901)/ 9	10.5611	WOS:000456861100001, link
Milosan, I., Varga, B., Bedo, T., Pop, M. A. , Balat-Pichelin, M., Luca-Motoc, D., & Stoicanescu, M. (2019). Thermal processing and thermal analysis of AlSi12–SiC hybrid composites sintered. Journal of Thermal Analysis and Calorimetry, 138(4), 2937–2944. FI = 2.471	(50*2.471)/ 7	17.6500	WOS:000499703500052, link
Chicos, L. A., Campbell, I., Zaharia, S. M., Pop, M. A. , Lancea, C., Semenescu, A., ... & Chivu, O. R. (2019). Experimental and Finite Element Analysis of the Open-Cells Porous Materials Subjected to Compression Mechanical Loading. MATERIALE PLASTICE, 56(2), 421. FI = 1.393, (autor principal-corespondent)	(50*1.393)/ 8	8.7060	WOS:000476641000026, link
Bedo, T., Varga, B., Cristea, D., Nitoi, A., Gatto, A., Bassoli, E., ... & Pop, M. A. (2019). Metastable Al–Si–Ni Alloys for Additive Manufacturing: Structural Stability and Energy Release during Heating. Metals, 9(5), 483. FI = 2.259	(50*2.259)/ 15	7.5300	WOS:000478818700002, link
Gabor, C., Cristea, D., Velicu, I. L., Bedo, T., Gatto, A., Bassoli, E., Pop M.A. ... & Codescu, M. M. (2019). Ti–Zr–Si–Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties. Materials, 12(9), 1551. FI = 2.972, (autor principal-corespondent)	(50*2.972)/ 18	8.2550	WOS:000469757500192, link
Milosan, I., Cristea, D., Voiculescu, I., Pop, M. A. , Balat-Pichelin, M., Predescu, A. M., ... & Gabor, C. (2019). Characterisation of EN 1.4136 stainless steel heat-treated in solar furnace. The International Journal of Advanced Manufacturing Technology, 101(9-12), 2955-2964. FI = 2.496	(50*2.496)/ 14	8.9140	WOS:000463669500060, link
Stoicanescu, M., Crisan, A., Milosan, I., Pop, M. A. , GARCIA, J. R., Giacomelli, I., ... & Chivu, O. R. (2019). Heat Treatment of Steel 1.1730 with Concentrated Solar Energy. MATERIALE PLASTICE, 56(1), 261–270. FI = 1.393, (autor principal-corespondent)	(50*1.393)/ 11	6.3310	WOS:000464604100052, link
Milosan, I., Florescu, M., Cristea, D., Voiculescu, I., Pop, M. A., Cañadas, I., ... & Bedo, T. (2020). Evaluation of Heat-Treated AISI 316 Stainless Steel in Solar Furnaces to Be Used as Possible Implant Material. Materials, 13(3), 581. FI = 2.972	(50*2.972)/9	16.5110	WOS:000515503100088, link
Croitoru, C., Pop, M. A. , Bedo, T., Cosnita, M., Roata, I. C., & Hulka, I. (2020). Physically crosslinked poly (vinyl alcohol)/kappa-carrageenan hydrogels: Structure and applications. Polymers, 12(3), 560. FI = 3.164, (autor principal-corespondent)	(50*3.164)/6	26.3660	WOS:000525952000059, link
Geaman, V., Pop, M. A. , Radomir, I., Semenescu, A., Florea, B., & Chivu, O. R. (2020). The influence of thermal behaviour to composites based on cotton tissue and unsaturated polyester resin. <i>Materiale Plastice</i> , 57(1), 197–201. FI = 1.517, (autor principal-corespondent)	(50*1.517)/6	12.641	WOS:000528195000022, link
Zaharia, S. M., Chicos, L. A., Lancea, C., & Pop, M. A. (2020). Effects of homogenization heat treatment on mechanical properties of inconel 718 sandwich structures manufactured by selective laser melting. <i>Metals</i> , 10(5), 645. FI=2.117	(50*2.117)/4	26.4625	WOS:000540220000093, link
Zaharia, S. M., Pop, M. A. , & Udriou, R. (2020). Reliability and lifetime assessment of glider wing's composite spar through accelerated fatigue life testing. <i>Materials</i> , 13(10), 2310. FI=3.057	(50*3.057)/3	50.95	WOS:000539277000102, link
Pop, M. A. , Croitoru, C., Bedo, T., Geamăn, V., Radomir, I., Zaharia, S. M., & Chicos, L. A. (2020). Influence of internal innovative architecture on the mechanical properties of 3D polymer printed parts. <i>Polymers</i> , 12(5), 1129. FI = 3.426, (autor principal-corespondent)	(50*3.426)/7	24.4714	WOS:000541431100134, link

corespondent)			
Zaharia, S. M., Enescu, L. A., & Pop, M. A. (2020). Mechanical performances of lightweight sandwich structures produced by material extrusion-based additive manufacturing. <i>Polymers</i> , 12(8), 1740. FI = 3.426	(50*3.426)/3	57.1	WOS:000564679500001, link
Catana, D., & Pop, M. A. (2021). Studies regarding simulation process to static loading of the structures obtained from polylactic acid, 3D printed. <i>Journal of Applied Polymer Science</i> , 138(6), 50036. FI = 3.125	(50*3.125)/2	78.125	WOS:000575801800001, link
Milosan, I., Bedő, T., Gabor, C., Munteanu, D., Pop, M. A. , Catana, D., ... & Varga, B. (2021). Characterization of aluminum alloy–silicon carbide functionally graded materials developed by centrifugal casting process. <i>Applied Sciences</i> , 11(4), 1625. FI = 2.679	(50*2.679)/8	16.7437	WOS:000632102500001, link
Mocanu, A. C., Miculescu, F., Stan, G. E., Pandele, A. M., Pop, M. A. , Ciocoiu, R. C., ... & Ciocan, L. T. (2021). Fiber-templated 3D calcium-phosphate scaffolds for biomedical applications: the role of the thermal treatment ambient on physico-chemical properties. <i>Materials</i> , 14(9), 2198. FI = 3.623	(50*3.623)/8	22.6437	WOS:000650579700001, link
Buican, G. R., Zaharia, S. M., Pop, M. A. , Chicos, L. A., Lancea, C., Stamate, V. M., & Pascariu, I. S. (2021). Fabrication and characterization of fiber-reinforced composite sandwich structures obtained by fused filament fabrication process. <i>Coatings</i> , 11(5), 601. FI = 2.881	(50*2.881)/7	20.5785	WOS:000653745700001, link
Catana, D., Pop, M. A. , & Brus, D. I. (2021). Comparison between the test and simulation results for PLA structures 3D printed, bending stressed. <i>Molecules</i> , 26(11), 3325. FI = 4.412	(50*4.412)/3	73.5333	WOS:000660469500001, link
Pop, M. A. , Croitoru, C., Matei, S., Zaharia, S. M., Coșniță, M., & Spîrchez, C. (2024). Thermal and Sound Insulation Properties of Organic Biocomposite Mixtures. <i>Polymers</i> , 16(5), 672. FI = 4.7, (autor principal-corespondent)	(50*4.7)/6	39.1666	WOS:001182946900001, link
Chicos, L. A., Zaharia, S. M., Cempura, G., Kruk, A., Lech, S., Kryshal, O., Pop MA. ... & Lancea, C. (2021). Effect of concentrated solar energy on microstructure evolution of selective laser melted Ti-6Al-4V alloy. <i>The International Journal of Advanced Manufacturing Technology</i> , 1–25. FI = 3.226	(50*3.226)/1 2	13.4416	WOS:000706028400002, link
Catana, D. I., Pop, M. A. , & Brus, D. I. (2021). Comparison between tests and simulations regarding bending resistance of 3D printed PLA structures. <i>Polymers</i> , 13(24), 4371. FI = 4.329	(50*4.329)/3	72.15	WOS:000737468300001, link
Nicolau, A., Pop, M. A. , & Coșoreanu, C. (2022). 3D printing application in wood furniture components assembling. <i>Materials</i> , 15(8), 2907. FI = 3.748	(50*3.748)/3	62.466	WOS:000787943900001, link
Pop, M. A. , Croitoru, C., Bedo, T., Geamăn, V., Radomir, I., Crișan, A., ... & Chicos, L. A. (2022). The Influence of Solar Sintering on Copper Heat Exchanger Parts with Controlled 3D-Printed Morphology. <i>Materials</i> , 15(9), 3324. FI = 3.748, (autor principal-corespondent)	(50*3.748)/1 0	18.74	WOS:000794752600001, link
Chicos, L. A., Pop, M. A. , Zaharia, S. M., Lancea, C., Buican, G. R., Pascariu, I. S., & Stamate, V. M. (2022). Infill density influence on mechanical and thermal properties of short carbon fiber-reinforced polyamide composites manufactured by FFF process. <i>Materials</i> , 15(10), 3706. FI = 3.748	(50*3.748)/7	26.771	WOS:000804898400001, link
Zaharia, S. M., Pop, M. A. , Chicos, L. A., Buican, G. R., Lancea, C., Pascariu, I. S., & Stamate, V. M. (2022). Compression and bending properties of short carbon fiber reinforced polymers sandwich structures produced via fused filament fabrication process. <i>Polymers</i> , 14(14), 2923. FI = 4.967	(50*4.967)/7	35.478	WOS:000831977400001, link

Lancea, C., Chicos, L. A., Zaharia, S. M., Pop, M. A. , Pascariu, I. S., Buican, G. R., & Stamate, V. M. (2022). Simulation, fabrication and testing of UAV composite landing gear. <i>Applied Sciences</i> , 12(17), 8598. FI = 2.838	(50*2.838)/7	20.271	WOS:000852822200001, link
Chicos, L. A., Pop, M. A. , Zaharia, S. M., Lancea, C., Buican, G. R., Pascariu, I. S., & Stamate, V. M. (2022). Fused filament fabrication of short glass fiber-reinforced polylactic acid composites: Infill density influence on mechanical and thermal properties. <i>Polymers</i> , 14(22), 4988. FI = 4.967	(50*4.967)/7	35.478	WOS:000887644700001, link
Zaharia, S. M., Pop, M. A. , Buican, G. R., Chicos, L. A., Stamate, V. M., Pascariu, I. S., & Lancea, C. (2023). Design and testing of brushless DC motor components of A6 steel additively manufactured by selective laser sintering. <i>Aerospace</i> , 10(1), 60. FI = 2.1	(50*2.1)/7	15	WOS:000916773600001, link
Catana, D. I., Brus, D. I., & Pop, M. A. (2023). Modelling Influence on Bending Behaviour Simulation of the Poly (Lactic Acid) Structures, 3D Printed. <i>Polymers</i> , 15(4), 960. FI = 4.7	(50*4.7)/3	78.333	WOS:000940905500001, link
Pop, M. A. , Cosnita, M., Croitoru, C., Zaharia, S. M., Matei, S., & Spîrchez, C. (2023). 3D-Printed PLA Molds for Natural Composites: Mechanical Properties of Green Wax-Based Composites. <i>Polymers</i> , 15(11), 2487. FI = 4.7, (autor principal-corespondent)	(50*4.7)/6	39.166	WOS:001005765300001, link
Cosnita, M., Cazan, C., Pop, M. A. , & Cristea, D. (2023). Aging resistance under short time ultraviolet (UV) radiations of polymer wood composites entirely based on wastes. <i>Environmental Technology & Innovation</i> , 31, 103208. FI = 6.7	(50*6.7)/4	83.75	WOS:001015181400001, link
Lopes, C., Rodrigues, M. S., Ferreira, A., Macedo, F., Borsan, I., Gabor, C., Pop M.A. ... & Vaz, F. (2023). The influence of the nanostructure design on the optical, electrical and thermal properties of TiNx thin films prepared by reactive magnetron sputtering. <i>Materials Chemistry and Physics</i> , 306, 127981. FI = 4.3	(50*4.3)/11	19.5454	WOS:001027505100001, link
Zaharia, S. M., Pop, M. A. , Cosnita, M., Croitoru, C., Matei, S., & Spîrchez, C. (2023). Sound Absorption Performance and Mechanical Properties of the 3D-Printed Bio-Degradable Panels. <i>Polymers</i> , 15(18), 3695. FI = 4.7, (autor principal-corespondent)	(50*4.7)/6	39.166	WOS:001072568300001, link
Zaharia, S. M., Pascariu, I. S., Chicos, L. A., Buican, G. R., Pop, M. A. , Lancea, C., & Stamate, V. M. (2023). Material extrusion additive manufacturing of the composite UAV used for search-and-rescue missions. <i>Drones</i> , 7(10), 602. FI = 4.4	(50*4.4)/7	31.4285	WOS:001092500000001, link
Nicolau, A., Pop, M. A. , Georgescu, S. V., & Coşereanu, C. (2023). Application of Additive Manufacturing Technology for Chair Parts Connections. <i>Applied Sciences</i> , 13(21), 12044. FI = 2.5	(50*2.5)/4	31.25	WOS:001100287000001, link
Zaharia, S. M., Lancea, C., Kruk, A., Cempura, G., Gruszczyński, A., Chicos, L. A., & Pop, M. A. (2024). Mechanical Properties and Microstructure of Inconel 718 Lattice Structures Produced by Selective Laser Melting Process. <i>Materials</i> , 17(3), 622. FI = 3.1	(50*3.1)/7	22.1428	WOS:001160123500001, link
Matei, S., Pop, M. A. , Zaharia, S. M., Coşniţă, M., Croitoru, C., Spîrchez, C., & Cazan, C. (2024). Investigation into the Acoustic Properties of Polylactic Acid Sound-Absorbing Panels Manufactured by 3D Printing Technology: The Influence of Nozzle Diameters and Internal Configurations. <i>Materials</i> , 17(3), 580. FI = 3.1, (autor principal-corespondent)	(50*3.1)/7	22.1428	WOS:001160043000001, link
Blaj, M. I., Zaharia, S. M., Morariu, C. O., Pop, M. A., Cosnita, M., & Oancea, G. (2024). Tensile Behavior of Parts Manufactured Using a Material Extrusion Process from a Filament with Short Carbon Fibers and PET Matrix. <i>Processes</i> , 12(2). FI = 2.8	(50*2.8)/6	23.3333	WOS:001172605600001, link
GEAMĂN, V., FRUNZĂ, D., Radomir, I., & Pop, M. A. (2015). Numerical simulation of cyclic extrusion process for aluminum alloy 6060. FI = 0	(50*0)/4	0.0000	WOS:000417044700016, link

	Zaharia, S. M., Lancea, C., Chicos, L. A., Pop, M. A. , Caputo, G., & Serra, E. (2017). Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting. Transactions of FAMENA, 41(4), 11-24. FI=0.797	(50*0.797)/ 6	6.6416	WOS:000431808800002, link
	Zaharia, S. M., Morariu, C. O., & Pop, M. A. (2018). A comparative study about static and fatigue behaviour on sandwich structures with different types of glass fiber reinforced polymer skins and nomex honeycomb core. REVISTA ROMANA DE MATERIALE-ROMANIAN JOURNAL OF MATERIALS, 48(1), 91-100. FI = 0.661	(50*0.661)/ 3	11.0166	WOS:000429213900014, link
	Yuan, Z., Peng, T., An, D., Cristea, D., & Pop, M. A. (2019). Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method. Journal of Low Frequency Noise, Vibration and Active Control, 1461348419867012. FI = 0	(50*0)/5	0.0000	WOS:000480051500001, link
	Ghiuta, I., Gatto, A., Bassoli, E., Munteanu, S. I., Bedo, T., Pop, M. A. , ... & Varga, B. (2018). The Influence of Powder Particle and Grain Size on Parts Manufacturing by Powder Bed Fusion. In Materials Science Forum(Vol.941, pp.1585-1590).Trans Tech Publications Ltd. FI = 0.399	(50*0.399)/ 12	1.6625	WOS:000468152500263, link
	Bedo, T., Pop, M. A. , Geaman, V., Radomir, I., Semenescu, A., Ghiban, B., & Florea, B. (2021). Material Consuption Reduction and the Influence on the Mechanical Properties of the 3D Printed Parts for ABS Silver. <i>Materiale Plastice</i> , 58(3), 99-108. FI = 0.593	(50*0.593)/7	4.2357	WOS:000756838700001, link
	Blaj, M. I., Zaharia, S. M., Pop, M. A. , & Oancea, G. H. E. O. R. G. H. E. (2022). Tensile properties and manufacturing defectives of short carbon fiber specimens made with the FDM process. <i>Mater. Plast</i> , 59(1), 33-43. FI = 0.782	(50*0.782)/4	9.775	WOS:000884788800001, link
		TOTAL	1435.984	
2.1.2	Articole indexate ISI Proceeding			
	Pop, M. A. , & Constantinescu, A. (2011). Comparative study between the behaviour of composite resin reinforced with glass fibre. Mechanical properties. Proceedings of ModTech, 201(1), 889-893. FI = 0.1 , (autor principal-corespondent)	(50*0.1/2)	2.5000	WOS:000392260500223, link
	Pop, M. A. , Monescu, V., & Constantinescu, A. (2012). Modelling and optimizing the resistance to traction of reinforced resin type composite materials. In Proceedigs of ModTech International Conference-New face of TMCR (pp. 785-788). FI = 0.1 , (autor principal-corespondent)	(50*0.1/3)	1.6660	WOS:000392261800197, link
	Pop, M. A. , Monescu, V., & Constantinescu, A. (2012). Modelling and optimizing the resistance to bending of reinforced resin type composite materials. In Proceeding of ModTech International Conference-New face of TMCR (pp. 781-784). FI = 0.1 , (autor principal-corespondent)	(50*0.1/3)	1.6660	WOS:000392261800196, link
	Lancea, C., Chicos, L. A., Zaharia, S. M., & Pop, M. A. (2017). Microstructure and micro-hardness analyses of titanium alloy Ti-6Al-4V parts manufactured by selective laser melting. In MATEC Web of Conferences (Vol. 94, p. 03009). EDP Sciences. FI=0.1	(50*0.1/4)	1.2500	WOS:000393034000003, link
	Roata, I. C., Pascu, A., Croitoru, C., Stanciu, E. M., & Pop, M. A. (2017, June). Thermal Spraying of CuAlFe Powder on Cu5Sn Alloy. In IOP Conference Series: Materials Science and Engineering (Vol. 209, No. 1, p. 012042). IOP Publishing. FI=0.1	(50*0.1/5)	1.0000	WOS:000423732100042, link
	Munteanu Daniel, Bedo Tibor, Pop Mihai Alin , Milosan Ioan, Gabor Camelia, Ghiuta Ioana, Munteanu Sorin, Cristea Dan (2018) Influential parameters on the inductive quenching technology for large bearing rings revista: TANGER Ltd conferinta:27TH INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS (METAL 2018), FI=0.1	(50*0.1/8)	0.6250	WOS:000461832200124, link

	Nitoi, A., Bedo, T., Varga, B., Pop, M. A. , & Munteanu, D. (2019). Microstructure, phase transformations and properties' evaluation of Al-Si-Ni metastable alloys. <i>Materials Today: Proceedings</i> , 19, 1091-1098.	(50*0.1/5)	1.0000	WOS:000496428200026, link
	Matei, S., Varga, B., Bedo, T., Pop, M. A. , Stoicanescu, M., & Crisan, A. (2019). Composites with clay and bentonite matrix: a study of the certain materials behavior for ceramic composites. <i>Materials Today: Proceedings</i> , 19, 1041-1050. FI=0.1	(50*0.1/6)	0.8330	WOS:000496428200020, link
	Bedo, T., Munteanu, S. I., Popescu, I., Chiriac, A., Pop, M. A. , Milosan, I., & Munteanu, D. (2019). Method for translating 3D bone defects into personalized implants made by Additive Manufacturing. <i>Materials Today: Proceedings</i> , 19, 1032-1040. FI=0.1	(50*0.1/7)	0.7140	WOS:000496428200019, link
	Munteanu, S., Munteanu, D., Gheorghiu, B., Bedo, T., Gabor, C., Cremascoli, P., ... & Pop, M. A. (2019). Additively manufactured femoral stem topology optimization: case study. <i>Materials Today: Proceedings</i> , 19, 1019-1025. FI=0.1	(50*0.1/8)	0.6250	WOS:000496428200017, link
	Merulla, A., Gatto, A., Bassoli, E., Munteanu, S. I., Gheorghiu, B., Pop, M. A. , ... & Munteanu, D. (2019). Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production. <i>Materials Today: Proceedings</i> , 19, 1014-1018.	(50*0.1/8)	0.6250	WOS:000496428200016, link
	Gabor, C., Pop, M. A. , Magli, D., Bedo, T., Munteanu, S. I., & Munteanu, D. (2019). The optimization of the production procedure in relation to the mechanical properties of additively manufactured parts. <i>Materials Today: Proceedings</i> , 19, 1008-1013. FI=0.1	(50*0.1/6)	0.8330	WOS:000496428200015, link
	PLAMADIALA, I., CROITORU, C., & POP, M. A. (2023). Mechanical Properties of PETG-Based Materials Destined For 3D-Printing. <i>ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING</i> , 66(5). FI = 0.1	(50*0.1)/3	1.666	WOS:001267255200036, link
	POP, M. A., COȘNIȚĂ, M., ZAHARIA, S. M., MATEI, S. C., & SPÎRCHEZ, C. (2024). Effect of the Infill Pattern on Sound Absorption Properties and Some Mechanical Properties of 3D Printed Parts. <i>ACTA TECHNICA NAPOCENSIS-Series: APPLIED MATHEMATICS, MECHANICS, and ENGINEERING</i> , 67(25). FI = 0.1 , (autor principal-corespondent)	(50*0.1)/5	1	WOS:001362561700040, link
	TOTAL		16.003	
2.2	Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale			
	GEAMĂN, V., Pop, M. A. , & Radomir, I. (2013). Ni-2Al-CLADDING BY ELECTRIC ARC WIRE THERMAL SPRAYING. <i>Metalurgia</i> , 65(5).	(50*0.08/3)	1.3330	link
	Coterlici, R. F., GEAMĂN, V., Pop, M. A. , & Radomir, I. (2014). APPLICATION OF NATURAL FIBER COMPOSITES IN AUTOMOTIVE INDUSTRY. <i>Metalurgia</i> , 66(3).	(50*0.08/4)	1.0000	link
	Geamăn, V., Pop, M. A. , Radomir, I., & Motoc, D. L. (2014). Ni-5Al-cladding by thermal arc spraying. <i>International Journal of Modern Manufacturing Technologies</i> , 6(1), 55-58.	(50*0.08/4)	1.0000	link
	Pop, M. A. , & Constantinescu, A. (2008). TEHNOLOGII DE OB INERE A MODELELOR CAVE TIP COAJĂ PENTRU CONFEC IONAREA FORMELOR DE TURNARE. <i>Metalurgia</i> , 60(7).	(50*0.08/2)	2.0000	link
	Pop, M. A. , & Constantinescu, A. (2008). UTILIZAREA MATERIALELOR COMPOZITE LA CONFEC IONAREA MODELELOR CAVE PENTRU FORMARE-TURNARE. <i>Metalurgia</i> , 60(8).	(50*0.08/2)	2.0000	link
	Apostu, D. E., Pop, M. A. , Constantinescu, A., & Padureanu, I. (2009). Static loading of moulding thin-walled cave patterns manufactured of composite materials. <i>Metalurgia International</i> , 15(10), 89-92.	(50*0.08/3)	1.3330	link
	Pop, M. A. , Apostu, D. E., & Constantinescu, A. (2009). CALCULUL DEFORMAIEI MAXIME A MODELELOR DE FORMARE	(50*0.08/3)	1.3330	link

TIP COAJĂ CU AJUTORUL SOFT-ULUI MATLAB. <i>Metalurgia</i> , 61(9).			
Pop, M. A. , Apostu, D. E., & Constantinescu, A. (2009). MODELE CAVE CU PERETI SUBTIRI DIN MATERIALE COMPOZITE. INCARCAREA STATICA. <i>Metalurgia</i> , 61(12).	(50*0.08/3)	1.3330	link
Moraru, C. G., Pop, M. A. , & Bedo, T. (2013). PROBLEMS ENCOUNTERED WITH MICROWAVE SINTERING OF COPPER BASED METAL MATRIX COMPOSITES. <i>Metalurgia</i> , 65(8), 18.	(50*0.08/3)	1.3330	link
Caranfil, M., Bedo, T., Pop, M. A. , & Geaman, V. (2012). ALUMINUM AND NICKEL FOAMS FOR AUTOMOTIVE POTENTIAL APPLICATIONS. <i>Metalurgia</i> , 64(2).	(50*0.08/4)	1.0000	link
Geaman, V., & Pop, M. A. (2012). FLOWFORMING TECHNIQUE APPLIED TO CENTRIFUGAL SEPARATORS. <i>Metalurgia</i> , 64(6).	(50*0.08/2)	2.0000	link
Moraru, C. G., Pop, M. A. , Bedo, T., & ȘERBAN, C. E. (2013). SPARK PLASMA SINTERING OF NOVEL COPPER BASED METAL MATRIX COMPOSITES. <i>Metalurgia</i> , 65(6).	(50*0.08/4)	1.0000	link
Pop, M. A. , Geaman, V., & Radomir, I. (2013). NEW COMPOSITE MATERIALS WITH HIGH POTENTIAL IN FOUNDRY. <i>Metalurgia</i> , 65(5).	(50*0.08/3)	1.3330	link
Pop, M. A. , Chaumont, D., & Constantinescu, A. (2011). COMPOSITE MATERIALS OBTAINED FROM RESIN REINFORCED WITH GLASS FIBRE: OBTAINING TECHNOLOGY AND MECHANICAL PROPERTIES. <i>Metalurgia</i> , 63(8).	(50*0.08/3)	1.3330	link
Pop, M. A. , & Constantinescu, A. (2010). Determination of material properties for thin-walled composite resin reinforced with glass fiber. <i>Metalurgia(Bucharest)</i> , (8).	(50*0.08/2)	2.0000	link
Geaman, V., & Pop, M. A. (2012). MICROSTRUCTURES OF ATSi5Cu1 ALUMINUM ALLOY PROCESSED BY ACCUMULATIVE ROLL-BONDING. <i>Metalurgia</i> , 64(4), 9.	(50*0.08/2)	2.0000	link
Pop, M. A. , & Constantinescu, A. (2011). CHARACTERIZATION AND UTILIZATION OF COMPOSITE MATERIALS IN FOUNDRIES. <i>Metalurgia</i> , 63(2), 31.	(50*0.08/2)	2.0000	link
Roată, I. C., Pascu, A., Stanciu, E. M., & Pop, M. A. (2014). Cold metal transfer welding of aluminum 5456 thin sheets. <i>Advanced Materials Research</i> , 1029, 140-145.	(50*0.08/4)	1.0000	link
Geamăn, V., Radomir, I., & Pop, M. A. (2014). Weldability of Magnesium and Aluminum Alloys Using Nd-Yag Laser. <i>Advanced Materials Research</i> , 1029, 56-60.	(50*0.08/3)	1.3330	link
Pop, M. A. , Geaman, V., Motoc, L., Monescu, V., & Radomir, I. (2013). CYCLIC BENDING OF VARIOUS GLASS FIBRES REINFORCED WITH POLYMER COMPOSITE ARCHITECTURES. <i>European Scientific Institute, ESI (publishing)</i> , 105.	(50*0.08/5)	0.8000	link
Geaman, V., Pop, M. A. , Motoc, D. L., & Radomir, I. (2013). Tribological properties of thermal spray coatings. <i>European Scientific Journal</i> , 3(2013), 154-159.	(50*0.08/4)	1.0000	link
Buican, G. R., Oancea, G., Lancea, C., & Pop, M. A. (2015). Some considerations regarding micro hardness of parts manufactured from 316-L Steel using SLM technology. <i>Applied Mechanics and Materials</i> , 760, 515-520.	(50*0.08/4)	1.0000	link
Fazakas, B., Seculin, R. C., Machedon-Pisu, T., & Pop, A. (2015). Aspects regarding the Characterization of the Gouged Surface. <i>Advanced Materials Research</i> , 1128, 217-223.	(50*0.08/4)	1.0000	link
Buican, G. R., Oancea, G., Lancea, C., & Pop, M. A. (2015). Influence of layer thickness on internal structure of parts	(50*0.08/4)	1.0000	link

	manufactured from 316-L steel using SLM technology. <i>Applied Mechanics and Materials</i> , 809, 369-374.			
	Apostu, E. D., Pop, M. A. , & Monescu, V. (2015). Influence of Functional and Construction Parameters Over Sieving Process–Rotary Cylindrical Sieve. <i>Advanced Materials Research</i> , 1128, 353-363.	(50*0.08/3)	1.3330	link
	Pop, M. A. , Geamăn, V., Radomir, I., & Bedő, T. (2015). Pores Size Influence on the Permeability for Copper Foams. <i>Advanced Materials Research</i> , 1128, 3-9.	(50*0.08/4)	1.0000	link
	Coterlici R, Geaman V, Radomir I, Pop MA :Green Composites based on Kenaf Fibers revista:Advanced Engineering Forum BDI:	(50*0.08/4)	1.0000	link
	Seculin, R. C., Fazakas, B., Machedon Pisu, T., & Pop, M. A. (2015). Aspects Regarding the Achievement of Vertical Welding Joints. <i>Advanced Materials Research</i> , 1128, 254-260.	(50*0.08/4)	1.0000	link
	ÎRCIU, I., GEAMĂN, V., RADOMIR, I., & POP, M. A. THEORETICAL ANALYSIS REGARDING THE ASYMMETRICAL FLUID FLOW APPLIED TO HELICOPTER AERODYNAMICS. revista:Advanced Materials Research	(50*0.08/4)	1.0000	link
	Virgil, GEAMĂN, Alin, P. M. , & Irinel, RADOMIR Liquid Hot Isostatic Processing Applied to AtSi5Cu1 Aluminum Alloy. Revista Recent	(50*0.08/3)	1.3330	link
	Gallego Parra, S., Pop, M. A. , Bedő, T., & Geamăn, V. (2017, October). Thixoforming and Powder Metallurgy–A Comparative Study and Practical Case. In <i>Materials Science Forum</i> (Vol. 907, pp. 193-197). Trans Tech Publications	(50*0.08/4)	1.0000	link
	Gabor, C., Cristea, D., Munteanu, D., Bedo, T., Pop, M. A. , Munteanu, S. I., & Milosan, I. (2017). The Influence of Induction Hardening Process Parameters on the Properties of 50CrMo4 Steel. <i>Bulletin of the Transilvania University of Brasov. Series I-Engineering Sciences</i> , 127-132.	(50*0.08/7)	0.5710	link
	Ghiuta, I., Gatto, A., Bassoli, E., Munteanu, S. I., Bedo, T., Pop, M. A. , ... & Munteanu, D. (2019, January). The Influence of Powder Particle and Grain Size on Parts Manufacturing by Powder Bed Fusion. In <i>Materials Science Forum</i> (Vol. 941, pp. 1585-1590). Trans Tech Publications Ltd.	(50*0.08/12)	0.3330	link
	Nicolau, A., Cosoreanu, C., Brenci, L. M., Pop, M. A. , & Cioaca, C. (2024). Evaluation of Tensile and Compression Bending Moment of L-Type Joints With 3D Printed Connectors. <i>Bulletin of the Transilvania University of Brasov. Series II: Forestry Wood Industry Agricultural Food Engineering</i> , 95-110.	(50*0.08/5)	0.8	link
		Total	42.834	
2.3.2.1. Brevete nationale neindexate				
	titluB:Model de formare realizat din materiale compozite multistrat ?i procedeu de realizare a acestuia nrB:CBI A/00331/29.04.13 (BI RO 128812) AnAparitie:2013 nrAutori:3	15/3	5.000	link
	titluB:Model de formare realizat din materiale compozite multistrat si procedeu de realizare a acestuia nrB:CBI (15/3) A/00331/29.04.13 (BI RO 128812) AnAparitie:2013 nrAutori:3	15/3	5.000	link RO 128812/28.04.2013
		TOTAL	10.000	

2.4.1.1 Granturi/proiecte internationale castigate prin competitie				
	titlu:Solar sintering of parts with controlled cellular morphology architecture made in moulds obtained by 3D printing finantator:Horizon 2020 Research and Innovation Programme nrctr:823802 perioada:20202020 Valoaregrant:3500 euro anidesfasurare:1	20*1	20.0000	link
	titlu:Improving the properties of A6 steel 3D printed and nickel-plated parts by solar treatment finantator:Horizon 2020 Research and Innovation Programme nrctr:SURPF2201310034 perioada:20222022 Valoaregrant:3000 Euro anidesfasurare:1	20*1	20.000	link
		Total	40.000	
2.4.1.2 Granturi/proiecte nationale castigate prin competitie				
	titlu:Fabricarea asistata 3D a unor structuri eco-compozite hibride Valoaregrant:22500 RON finantator:Universitatea 5*3 Transilvania din Brasov nrctr:8035/14.07.2017 perioada:20172020 anidesfasurare:3	5*3	15.000	link
	titlu:Compozite ecologice realizate prin tehnici de imprimare 3D pentru ob?inerea panourilor fonoabsorbante Valoaregrant:450000 finantator:Ministerul Cercetarii, Dezvoltarii si Digitalizarii CNCS – UEFISCDI nrctr:PN-III-P1-1.1- TE- 2021-0294, TE 75/2022 perioada:20222024 anidesfasurare:2	5*2	10.000	link
		TOTAL	25.000	
2.4.2.1 Membru in echipe internationale				
	titlu:Researches regarding the influence of the heat treatments with solar energy over the wear resistant steels properties perioada:20162016 anidesfasurare:1	4*1	4.000	link
	titlu:Research on solar aided sintering (Al-12Si/Gr/SiC) hybrid composites for automotive industry perioada:20172017 anidesfasurare:1	4*1	4.0000	link
	titlu:Solar-assisted treating of some new stainless steels for biomedical applications perioada:20172017 anidesfasurare:1	4*1	4.00	link
	titlu:Driving up Reliability and Efficiency of Additive Manufacturing – DREAM_H2020_Grant Agreement nr. 723699 perioada:20162019 anidesfasurare:3	4*3	12.000	DREAM
	titlu:Improvement of corrosion and thermal resistance by thermal cladding of Ni-based coating on copper perioada:20132013 anidesfasurare:1	4*1	4.000	link
	titlu:IMPROVEMENT OF ELECTRIC CONTACTS CORROSION RESISTANCE perioada:20142014 anidesfasurare:1	4*1	4.000	link
		TOTAL	32.000	
2.4.2.2 Membru in echipa nationale				
	titlu:Cercetari privind materiale si tehnologii utilizate in realizarea prototipurilor pentru industria de automobile perioada:20142015 finantator:SC DRAXLMAIER SISTEME TEHNICE ROMANIA nrctr:86674 anidesfasurare:2	2*2	4.000	
	titlu:Cercetări privind stabilirea cauzelor apari iei neomogenită ilor structurale în vederea diminuării/eliminării lor în produsele din ATSi7Mg0.3 de tip bară perioada:20142015 finantator:ALRO Slatina nrctr:9957 anidesfasurare:2	2*2	4.000	
	titlu:Cercetari privind stabilirea cauzelor aparitiei neomogenitatilor structurale in vederea diminuarii/eliminarii lor in	2*2	4.000	

produsele din ATSi7 Mg0.3 de tip bara perioada:20142015 finantator:ALRO Slatina nrctr:Contract 9957/27.08.2014 anidesfasurare:2			
titlu:Cercetari privind materiale si tehnologii utilizate in realizarea prototipurilor pentru industria de automobile perioada:20142016 finantator:SC DTR DraxImaier Sisteme Tehnice Romania SRL nrctr:16580 -17.12.2014 anidesfasurare:2	2*2	4.000	
titlu:Prototipare set cleme siguranta perioada:20152015 finantator:SC DTR Tata Technologies SRL nrctr:7210/24.06.2015 anidesfasurare:1	2*1	2.000	
titlu:Prototipare profil izolator plastic -nr.ctr.: 5878/21.05.2015 perioada:20152015 finantator:SC DTR Tata Technologies SRL nrctr:5878/21.05.2015 anidesfasurare:1	2*1	2.000	
titlu:Prototipare profil izolator plastic - nr.ctr.:4448/17.04.2015 perioada:20152015 finantator:SC DTR Tata Technologies SRL nrctr:4448/17.04.2015 anidesfasurare:1	2*1	2.000	
titlu:Prototipare carcasa si rotor perioada:20152015 finantator:SC DTR Tata Technologies SRL nrctr:16660/17.12.2015 anidesfasurare:1	2*1	2.000	
titlu:Cercetari privind realizarea unor repere prototip direct din modele CAD perioada:20152016 finantator:SC 2*2 DTR Tata Technologies SRL nrctr:16722/17.12.2015 anidesfasurare:2	2*2	4.000	
titlu:Optimizing the inductive quenching eco-technology for large bearing rings perioada:20162018 finantator:UEFISCDI nrctr:100BG/2016 anidesfasurare:2	2*2	4.000	
titlu:Determinarea comportamentului termic, termo-reologic si a densitatii deseurilor de poliolefine perioada:20162016 finantator:10520/09.09.2016 nrctr:10520/09.09.2016 anidesfasurare:1	2*1	2.000	
titlu:Cercetari privind fabricarea rapida in ingineria industriala perioada:20162016 finantator:15934/14.11.2016 2*1 nrctr:15934/14.11.2016 anidesfasurare:1		2.000	
titlu:Studii si analize: analiza microstructura - 10 probe; Testari: determinare compozitie chimica - 2 probe perioada:20162016 finantator:STABILUS Romania S.R.L. nrctr:5938/31.05.2016 anidesfasurare:1	2*1	2.000	
titlu:Analiza chimica si determinare duritate perioada:20162016 finantator:Continental Powertrain România nrctr:3573/29.03.2016 anidesfasurare:1	2*1	2.000	
titlu:Servicii de cercetare industiala structura suprafata implant : caracteristici mecanice perioada:20172018 finantator:Dentix Milenium SRL nrctr:144/09.01.2017 anidesfasurare:2	2*2	4.000	
titlu:NOI METODOLOGII DE DIAGNOSTICARE SI TRATAMENT: PROVOCARI ACTUALE SI SOLUTII TEHNOLOGICE BAZATE PE NANOMATERIALE SI BIOMATERIALE – Acronim: SANOMAT perioada:20182020 finantator:PN III nrctr:PCCDI-2017-0062 anidesfasurare:2	2*2	4.000	
titlu:Studiul asupra factorilor de influenta a grosimii de strat de lac perioada:20172019 finantator:S.C. QUIN ROMANIA S.R.L. nrctr:13050 din 13.10.2017 anidesfasurare:2	2*2	4.000	
titlu:Prototipare: Garnitura perioada:20182018 finantator:NAMORADA DESIGN nrctr:9733/31.07.2018 anidesfasurare:1	2*1	2.000	
titlu:Prototipare: Carcase perioada:20182018 finantator:S.C. Quaroo Development nrctr:11369/10.09.2018	2*1	2.000	

anidesfasurare:1			
titlu:Analiză chimica si microscopica a placilor de Aluminiu perioada:20182018 finantator:BWB Surface Technology nrctr:17350/29.11.2018 anidesfasurare:1	2*1	2.000	
titlu:Cresterea fiabilitatii si eficientei manufacturarii aditive perioada:20172019 finantator:UEFSICDI nrctr:15/2017 anidesfasurare:2	2*2	4.000	
titlu:Analize: Material INOX la balustrade blocuri B17&B18 perioada:20152015 finantator:SC MAURER IMOBILIARE SRL nrctr:3691/30.03.2015 anidesfasurare:1	2*1	2.000	
titlu:Model experimental de avion fara pilot din materiale compozite fabricate prin tehnologii aditive perioada:20202022 finantator:UEFISCDI nrctr:413PED/2019 anidesfasurare:2	2*2	4.000	
	TOTAL	68.000	
Total realizat criteriul A2: 1718,244			

A 3. Recunoașterea și impactul activității (Profesor min 120)

3.1.1	Citari in reviste ISI		
1	titlucitat:Obtaining technology for thin-wall patterns manufacturing used in foundry and their physico-mechanical properties issncitat:15822214 titlu:Production delays and possibilities for their reduction issnciteaza:15822214 AnAparitie:2012 Autori:2 CoefM:5, WOS:000304382600024, link	(5/2)	2.5
2	titlucitat:Some Considerations Regarding Micro Hardness of Parts Manufactured from 316-L Steel Using SLM Technology issncitat:16627482 titlu:Metal additive manufacturing: a review of mechanical properties issnciteaza:15317331, AnAparitie:2016 Autori:4 CoefM:30, WOS:000379330400007, link	(30/4)	7.5
3	titlucitat:Surface properties of thermally treated composite wood panels issncitat:01694332 titlu:Mechanical Properties of Polyethylene Composites Filled with Willow (Salix babylonica L.) Bark-Boring Insect Dust issnciteaza:15566560 AnAparitie:2018 Autori:9 CoefM:20 WOS:000445248000006, link	(20/9)	2.222
4	titlucitat: Surface properties of thermally treated composite wood panels, issncitat:01694332 titlu: Investigation of biomass surface modification using non-thermal plasma treatment issnciteaza:10090630 AnAparitie:2018, Autori:9 CoefM:15 WOS:000443827600002, link	(15/9)	1.666
5	titlucitat:Surface properties of thermally treated composite wood panels issncitat:01694332 titlu:New evaluation of interfacial and mechanical properties of thermally-treated Pine/CFRP composites using electrical resistance measurement, issnciteaza:13598368 AnAparitie:2018 Autori:9 CoefM:20 WOS:000444927800013, link	(20/9)	2.222
6	titlucitat:Surface properties of thermally treated composite wood panels issncitat:01694332 titlu:Feasibility of polyethylene composites reinforced by distillers dried fibers with solubles (DDFS) after different generations of ethanol fermentation, issnciteaza:20462069 . AnAparitie:2018 Autori:9 CoefM:20, WOS:000439323300039, link	(20/9)	2.222
7	titlucitat:An Investigation on the Reliability and Degradation of Polycrystalline Silicon Solar Cells Under Accelerated Corrosion Test issncitat:00255289 titlu:Efficiency of polycrystalline photovoltaic parks in Romania Possibility of Using Renewable Energy issnciteaza:03549836 AnAparitie:2018 Autori:7 CoefM:15, WOS:000435526200034, link	(15/7)	2.142
8	titlucitat:Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issncitat:00255289 titlu: Review of current trends in research and applications of sandwich structures issnciteaza:13598368 AnAparitie:2018 Autori:5 CoefM:20 WOS:000431157500020, link	(20/5)	4
9	titlucitat:Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat:19302126 titlu:Single and repeated impact behaviors of bio-sandwich structures consisting of thermoplastic face sheets and different balsa core thicknesses issnciteaza:13598368 AnAparitie:2018 Autori:4 CoefM:20, WOS:000442979500006, link	(20/4)	5
10	titlucitat:Some considerations regarding micro hardness of parts manufactured from 316-L Steel using SLM technology issncitat:16627482 titlu:Additive manufacturing for steels: a review issnciteaza:1757899X AnAparitie:2018 Autori:4 CoefM:5 WOS:000454742100027, link	(5/4)	1.25
11	titlucitat:Some considerations regarding micro hardness of parts manufactured from 316-L Steel using SLM technology issncitat:16627482 titlu:ERP system for 3D printing industry issnciteaza: 2261-236X AnAparitie:2017 Autori:4 CoefM:5, WOS:000393034000068, link	(5/4)	1.25
12	titlucitat:Surface properties of thermally treated composite wood panels issncitat:01694332 titlu:Novel engineered scrimber with outstanding dimensional stability fromfinelyfluffed poplar veneers issnciteaza:02632241	(20/9)	2.222

	AnAparitie:2018 Autori:9 CoefM:20, WOS:000433238500038, link		
13	titlucitat: Cercetări asupra tehnologiilor și materialelor moderne pentru confec ionarea garniturilor de model issncitat:15822214 titlu: Electrolytic deposition a perspective solution of nanocomposites issnciteaza:15822214 AnAparitie:2011 Autori:1 CoefM:5 WOS:000289606200012, link	(5/1)	5
14	titlucitat: Cercetări asupra tehnologiilor și materialelor moderne pentru confec ionarea garniturilor de model issncitat:15822214 titlu: Nanocomposites made by electrolyt deposition issnciteaza:15822214 AnAparitie:2011 Autori:1 CoefM:5, WOS:000289606200026, link	(5/1)	5
15	titlucitat: Influence of Layer Thickness on Internal Structure of Parts Manufactured from 316-L Steel Using SLM Technology issncitat:16627482 titlu: Scaling laws for the additive manufacturing issnciteaza:09240136 AnAparitie:2018 Autori:4 CoefM:20, WOS:000431161400024, link	(20/4)	5
16	titlucitat: Influence of functional and construction parameters over sieving process–rotary cylindrical sieve issncitat:16628985 titlu: Design and evaluation of cyclone separation cleaning devices using a conical sieve for rape combine harvesters issnciteaza:08838542 AnAparitie:2018 Autori:3 CoefM:5, WOS:000443045700005, link	(5/3)	1.666
17	titlucitat: Ni-5Al - CLADDING BY THERMAL ARC SPRAYING issncitat:2067–360 titlu: Repair welding of cast iron coated electrodes issnciteaza:1757899X AnAparitie:2017 Autori:4 CoefM:5, WOS:000409221600139, link	(5/4)	1.25
18	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Effects of zinc chloride-silicone oil treatment on wood dimensional stability, chemical components, thermal decomposition and its mechanism issnciteaza:20452322 AnAparitie:2019 Autori:9 CoefM:20, WOS:000458017800069, link	(20/9)	2.222
19	titlucitat: Calcium carbonate and wood reinforced hybrid PVC composites issncitat:00218995 titlu: Impurity-free amorphous calcium carbonate, a preferential material for pharmaceutical and medical applications issnciteaza:09351221 AnAparitie:2019 Autori:8 CoefM:15 WOS:000458017800069, link	(15/8)	1.875
20	titlucitat: Capacity of energy absorption by flick through shock in cooper foams issncitat:1091028X titlu: Numerical Simulation of Gas/Solid Heat Transfer in Metallic Foams: A General Correlation for Different Porosities and Pore Sizes issnciteaza:01693913 AnAparitie:2019 Autori:4 CoefM:20, WOS:000459833400013, link	(20/4)	5
21	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Effect of Laser Irradiation on the Surface Wettability of Poplar Wood issnciteaza:19472935 AnAparitie:2019 Autori:9 CoefM:15, WOS:000464520000005, link	(20/9)	2.222
22	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Review of Polymeric Materials in 4D Printing Biomedical Applications issnciteaza:20734360 AnAparitie:2019 Autori:9 CoefM:20, WOS:000503279200136, link	(30/9)	3.333
23	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Solvent-free preparation of bio-based polyethylene glycol/wood flour composites as novel shape-stabilized phase change materials for solar thermal energy storage issnciteaza:09270248 AnAparitie:2019 Autori:9 CoefM:30, WOS:000483633400095, link	(20/9)	2.222
24	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: FDM 3D printing of polymers containing natural Fillers: a review of their mechanical properties issnciteaza:20734360 AnAparitie:2019 Autori:9 CoefM:20, WOS:000480539500011, link	(20/9)	2.222

25	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Thermal Analysis of Aliphatic Polyester Blends with Natural Antioxidants issnciteaza:20734360 AnAparitie:2020 Autori:9 CoefM:20, WOS:000519848300074, link	(30/8)	3.75
26	titlucitat: Calcium carbonate and wood reinforced hybrid PVC composites issncitat:00218995 titlu: Green flotation of polyethylene terephthalate and polyvinyl chloride assisted by surface modification of selective CaCO₃ coating issnciteaza:09596526 AnAparitie:2020 Autori:8 CoefM:30, WOS:000491240100068, link	(20/9)	2.222
27	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Preparation of a fast water-based UV cured polyurethane-acrylate wood coating and the effect of coating amount on the surface properties of Oak (Quercus alba L.) issnciteaza:20734360 AnAparitie:2019 Autori:9 CoefM:20, WOS:000489104300040, link	(20/9)	2.222
28	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Modeling and simulation of heat-mass transfer and its application in wood thermal modification issnciteaza:22113797 AnAparitie:2019 Autori:9 CoefM:20, WOS:000476618700102, link	(20/9)	2.222
29	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Durability of the Exterior Transparent Coatings on Nano-Photostabilized English Oak Wood and Possibility of Its Prediction before Artificial Accelerated Weathering issnciteaza:20794991 AnAparitie:2019 Autori:9 CoefM:20, WOS:000502271700063, link	(20/9)	2.222
30	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Gaseous Decomposition Products from Wood Degradation via Thermogravimetric and Fourier Transform Infrared Analysis during Thermal Modification of Beech and Pine Woods issnciteaza:19302126 AnAparitie:2019 Autori:9 CoefM:15, WOS:000478803800018, link	(15/9)	1.666
31	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Surface Properties of Pine Scrimber Panels with Varying Density issnciteaza:20796412 AnAparitie:2019 Autori:9 CoefM:20, WOS:000473753000052, link	(20/9)	2.222
32	titlucitat: Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting issncitat:13331124 titlu: Vickers hardness indentation size effect in selective laser melted MS1 maraging steel issnciteaza:09544062 AnAparitie 2021, Autori:6 CoefM:15, WOS:000499778800001, link	(15/6)	2.5
33	titlucitat: Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting issncitat:13331124 titlu: Effective elastic moduli of metal honeycombs manufactured using selective laser melting issnciteaza:13552546 AnAparitie:2020 Autori:6 CoefM:20, WOS:000490367800029, link	(20/6)	3.333
34	titlucitat: Experimental study of static and fatigue behavior of cfrp-balsa sandwiches under three-point flexural loading issncitat:19302126 titlu: The Potential of Agglomerated Cork for Sandwich Structures: A Systematic Investigation of Physical, Thermal, and Mechanical Properties issnciteaza:20734360 AnAparitie:2019 Autori:4 CoefM:20, WOS:000507624500211, link	(20/4)	5
35	titlucitat: Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat:0038092X titlu: Surface engineering of Ni-Al coatings through concentrated solar heat treatment issnciteaza:01694332 AnAparitie:2020 Autori:7 CoefM:30 WOS:000512983600137	(30/7)	4.285
36	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Sustainable panels based on starch bioadhesives: An insight into structural and tribological performance issnciteaza:01418130	(20/9)	2.222

	AnAparitie:2020 Autori:9 CoefM:20, WOS:000522094600091, link		
37	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Properties of common tropical hardwoods for fretboard of string instruments issnciteaza:14350211 AnAparitie:2020 Autori:9 CoefM:15, WOS:000518504300001, link	(15/9)	1.666
38	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Mold resistance of bamboo after laccase-catalyzed attachment of thymol and proposed mechanism of attachment issnciteaza:20462069 AnAparitie:2020 Autori:9 CoefM:20, WOS:000519586300041, link	(20/9)	2.222
39	titlucitat: Mechanical properties and corrosion behaviour of 316l stainless steel honeycomb cellular cores manufactured by selective laser melting issncitat:13331124 titlu: Statistical Analysis of Corrosion Process Flow issnciteaza:13303651 AnAparitie:2019 Autori:6 CoefM:10, WOS:000499332300028,	(10/6)	1.666
40	titlucitat: Mechanical properties and corrosion behaviour of 316l stainless steel honeycomb cellular cores manufactured by selective laser melting issncitat:13331124 titlu: Effect of selective laser melting process parameters on microstructure and mechanical properties of 316L stainless steel helical micro-diameter spring issnciteaza: 02683768 WOS:000490367800029, link	(20/6)	3.333
41	titlucitat: The optimization of the production procedure in relation to the mechanical properties of additively manufactured parts issncitat:22147853 titlu: Role of infill parameters on the mechanical performance and weight reduction of PEI Ultem processed by FFF issnciteaza:02641275 AnAparitie:2020 Autori:6 CoefM:30, WOS:000568762400002, link	(30/6)	5
42	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu: Deformation Process of 3D Printed Structures Made from Flexible Material with Different Values of Relative Density issnciteaza:20734360 AnAparitie:2020 Autori:3 CoefM:20, WOS:000580215700001, link	(20/3)	6.666
43	titlucitat: Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer Printed Parts issncitat:20734360 titlu: 3D Printing PLA Waste to Produce Ceramic Based Particulate Reinforced Composite Using Abundant Silica-Sand: Mechanical Properties Characterization issnciteaza:20734360 AnAparitie:2020 Autori:7 CoefM:20, link	(20/7)	2.857
44	titlucitat: Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting issncitat:20754701 titlu: Investigation of the Effects of an Intense Pulsed Ion Beam on the Surface Melting of IN718 Superalloy Prepared with Selective Laser Melting issnciteaza:20754701 AnAparitie:2020 Autori:4 CoefM:20, WOS:000582003100001, link	(20/4)	5
45	titlucitat: Mechanical Performances of Light weight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu: Effects of the Face/Core Layer Ratio on the Mechanical Properties of 3D Printed Wood/Polylactic Acid (PLA) Green Biocomposite Panels with a Gyroid Core issnciteaza:20734360 AnAparitie:2020 Autori:3 CoefM:20 WOS:000602487000001, link	(20/3)	6.666
46	titlucitat: Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer Printed Parts issncitat:20734360 titlu: Effects of the Face/Core Layer Ratio on the Mechanical Properties of 3D Printed Wood/Polylactic Acid (PLA) Green Biocomposite Panels with a Gyroid Core issnciteaza:20734360 AnAparitie:2020 Autori:7 CoefM:20 WOS:000602487000001, link	(20/7)	2.857
47	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: Preparation and Characterization of Gamma Radiation Assisted Poly-Vinyl Alcohol/Acrylic Acid/Poly-4-Styrene Sulphonic Acid Based Hydrogel:	(20/6)	3.333

	Application for Textile Dye Removal issnciteaza:09505423 AnApar2021 Autori:6 CoefM:20 WOS:000572869400001, link		
48	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: Selective Vapor Permeation Behavior of Crosslinked PAMPS Membranes issnciteaza:20734360 AnAparitie:2020 Autori:6 CoefM:20 WOS:000535587700257, link	(20/6)	3.333
49	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Fabrication of Conductive Filaments for 3D-printing: Polymer Nanocomposites issnciteaza:20695837 AnAparitie:2020 Autori:9 CoefM:5 WOS:000541606700001, link	(5/9)	0.555
50	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Surface modified 3D printed carbon bioelectrodes for glucose/O-2 enzymatic biofuel cell: Comparison and optimization issnciteaza:22131388 AnAparitie:2020 Autori:9 CoefM:20 WOS:000630226700002, link	(20/9)	2.222
51	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Bio-Based Packaging Materials Containing Substances Derived from Coffee and Tea Plants issnciteaza:19961944 AnAparitie:2020 Autori:9 CoefM:20 WOS:000602976200001, link	(20/9)	2.222
52	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Functional Piezoresistive Polymer-Composites Based on Polycarbonate and Polylactic Acid for Deformation Sensing Applications issnciteaza:14387492 AnAparitie:2020 Autori:9 CoefM:20 WOS:000570209100001, link	(20/9)	2.222
53	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: A review of 3D and 4D printing of natural fibre biocomposites issnciteaza:02641275 AnAparitie:2020 Autori:9 CoefM:30 WOS:000570161800004, link	(30/9)	3.333
54	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Mechanical characterisation of a bamboo fibre/polylactic acid composite produced by fused deposition modelling issnciteaza:07316844 AnAparitie:2020 Autori:9 CoefM:15 WOS:000545340000001, link	(15/9)	1.666
55	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Statistical optimization and enhanced synthesis of polyhydroxyalkanoates from Ceiba pendantra oil as novel non-edible feedstock issnciteaza:21906815 AnAparitie:2020 Autori:9 CoefM:20 WOS:000534974600001, link	(20/9)	2.222
56	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Effect of Reconstruction Algorithm on the Identification of 3D Printing Polymers Based on Hyperspectral CT Technology Combined with Artificial Neural Network issnciteaza:19961944 AnAparitie:2020 Autori:9 CoefM:20 WOS:000531829000167, link	(20/9)	2.222
57	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat:00218995 titlu: Preparation and Characterization of PLA Film/3D Printing Composite Scaffold for Tissue Engineering Application issnciteaza:12299197 AnAparitie:2020 Autori:9 CoefM:15 WOS:000528225600004, link	(15/9)	1.666

58	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu: Lattice impeller design and multi-scale stress-deformation analysis based on conventional cubic lattice issnciteaza:15376494 AnAparitie:2020 Autori:8 CoefM:20 WOS:000596248400001, link	(20/8)	2.5
59	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu: Improvement of Radiant Heat Efficiency of the Radiant Tube Used for Continuous Annealing Line by Application of Additive Manufacturing Technology issnciteaza:20763417 AnAparitie:2020 Autori:8 CoefM:20 WOS:000594098200001, link	(20/8)	2.5
60	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu: Design and topology optimization of air conditioning suspension bracket for metro issnciteaza:00368504 AnAparitie:2020 Autori:8 CoefM:15 WOS:000602934000001, link	(15/8)	1.875
61	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu: Design for Additive Manufacturing: A Systematic Review issnciteaza:20711050 AnAparitie:2020 Autori:8 CoefM:20 WOS:000586600400001, link	(20/8)	2.5
62	titlucitat: Method for translating 3D bone defects into personalized implants made by Additive Manufacturing issncitat:22147853 titlu: Selective Laser Melting of Patient Individualized Osteosynthesis Plates-Digital to Physical Process Chain issnciteaza:19961944 AnAparitie:2020 Autori:7 CoefM:20 WOS:000602742600001, link	(20/7)	2.857
63	titlucitat: Calcium carbonate and wood reinforced hybrid PVC composites issncitat:00218995 titlu: Formulation and characterization of new ternary stable composites: Polyvinyl chloride-wood flour-calcium carbonate of promising physicochemical properties issnciteaza:22387854 AnAparitie:2020 Autori:8 CoefM:30 WOS:000607353100006, link	(30/8)	3.75
64	titlucitat: Calcium carbonate and wood reinforced hybrid PVC composites issncitat:00218995 titlu: PVC/rice straw/SDBS-modified graphene oxide sustainable Nanocomposites: Melt mixing process and electrical insulation characteristics issnciteaza: AnAparitie:2020 Autori:8 CoefM:30, WOS:000531081300012, link	(30/8)	3.75
65	titlucitat: Calcium carbonate and wood reinforced hybrid PVC composites issncitat:00218995 titlu: Mechanical enhancement of ripples and dimples in CaCO₃/low-density unsaturated polyester resin composites issnciteaza:20531591 AnAparitie:2020 Autori:8 CoefM:15 WOS:000540274200001, link	(15/8)	1.875
66	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Highly Hydrophobic and Self-Cleaning Heat-Treated Larix spp. Prepared by TiO₂ and ZnO Particles onto Wood Surface issnciteaza:20796412 AnAparitie:2020 Autori:9 CoefM:20 WOS:000584163000001, link	(20/9)	2.222
67	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: X-ray Photoelectron Spectroscopy Analysis of Wood Degradation in Old Architecture issnciteaza:19302126 AnAparitie:2020 Autori:9 CoefM:15 WOS:000555791100020, link	(15/9)	1.666
68	titlucitat: Surface properties of thermally treated composite wood panels issncitat:01694332 titlu: Preparation, Test, and Analysis of a Novel Aluminosilicate-Based Antimildew Agent Applied on the Microporous Structure of Wood issnciteaza:24701343 AnAparitie:2020 Autori:9 CoefM:20 WOS:000527748400008, link	(20/9)	2.222
69	titlucitat: Accelerated Corrosion Analysis of AlSi10Mg Alloy Manufactured by Selective Laser Melting (SLM) issncitat:00347752 titlu: Selective Laser Melting of Aluminum and Its Alloys revista:MATERIALS issnciteaza:19961944 AnAparitie:2020 Autori:7 CoefM:20 link	(20/7)	2.857

70	titlucitat: Accelerated Corrosion Analysis of AlSi10Mg Alloy Manufactured by Selective Laser Melting (SLM) issncitat:00347752 titlu: Corrosion of Cast Aluminum Alloys: A Review issnciteaza:20754701 AnAparitie:2020 Autori:7 CoefM:20 WOS:000585185100001, link	(20/7)	2.857
71	titlucitat: Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issncitat:00255289 titlu: Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issnciteaza:00255289 AnAparitie:2020 Autori:5 CoefM:15 WOS:000400629900016, link	(15/5)	3
72	titlucitat: Thermal Analysis Studies Regarding the Eco-Composites Based on Jute by Applying Salinity Treatment issncitat:00347752 titlu: Researches Regarding the Compression of the Films Polymers in Composite System issnciteaza:26688220 AnAparitie:2020 Autori:8 CoefM:15 WOS:000528195000014, link	(15/8)	1.875
73	titlucitat: Characterization of Aluminum Alloy-Silicon Carbide Functionally Graded Materials Developed by Centrifugal Casting Process issncitat: 20763417 titlu: Progression in manufacturing of functionally graded materials and impact of thermal treatment-A critical review issnciteaza: 15266125 Dată:2021 Autori:8 CoefM:30, WOS:000683562700003, link	(30/8)	3.75
74	titlucitat: Characterization of Aluminum Alloy-Silicon Carbide Functionally Graded Materials Developed by Centrifugal Casting Process issncitat: 20763417 titlu: Vat Photopolymerization Additive Manufacturing of Functionally Graded Materials: A Review issnciteaza: 25044494 Dată:2022 Autori:8 CoefM:5 WOS:000772050600001, link	(5/8)	0.625
75	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Representative Cell Analysis for Damage-Based Failure Model of Polymer Hexagonal Honeycomb Structure under the Out-of-Plane Loadings issnciteaza: 20734360 Dată:2021 Autori:3 CoefM:20 WOS:000606090700001, link	(20/3)	6.666
76	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Optimal Design of a Fiber-Reinforced Plastic Composite Sandwich Structure for the Base Plate of Aircraft Pallets In Order to Reduce Weight issnciteaza: 20734360 Dată:2021 Autori:3 CoefM:20 WOS:000628444300001, link	(20/3)	6.666
77	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu: Energy Absorption and Mechanical Performance of Functionally Graded Soft-Hard Lattice Structures issnciteaza:19961944 AnAparitie:2021 Autori:3 CoefM:20 WOS:000640032400001, link	(20/3)	6.666
78	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu: An Assessment of Fully Integrated Polymer Sandwich Structures Designed by Additive Manufacturing issnciteaza:10599495 AnAparitie:2021 Autori:3 CoefM:15 WOS:000628196700001, link	(15/3)	5
79	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu: Structural vibration absorption in multilayered sandwich structures using negative stiffness nonlinear oscillators issnciteaza:0003682X AnAparitie:2021 Autori:3 CoefM:20 WOS:000687528600027, link	(20/3)	6.666
80	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360	(20/3)	6.666

	titlu:Optimization of a Totally Fiber-Reinforced Plastic Composite Sandwich Construction of Helicopter Floor for Weight Saving, Fuel Saving and Higher Safety issnciteaza:20734360 AnAparitie:2021 Autori:3 CoefM:20 WOS:000689917000001, link		
81	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu:Mechanical Properties of Flexible TPU-Based 3D Printed Lattice Structures: Role of Lattice Cut Direction and Architecture issnciteaza:20734360 AnAparitie:2021 Autori:3 CoefM:20 WOS:000694390500001, link	(20/3)	6.666
82	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu: On Wrinkling in Sandwich Panels with an Orthotropic Core issnciteaza:19961944 AnAparitie:2021 Autori:3 CoefM:20 WOS:000694320900001, link	(20/3)	6.666
83	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu:Experimental and Computational Investigation of Lattice Sandwich Structures Constructed by Additive Manufacturing Technologies issncitat: 25044494 AnAparitie:2021 Autori:3 CoefM:3 WOS:000702344800001, link	(5/3)	1.666
84	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu:Current Trends in Automotive Lightweighting Strategies and Materials issnciteaza:19961944 AnAparitie:2021 Autori:3 CoefM:20 WOS:000719056100001, link	(20/3)	6.666
85	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu:Investigation on the flexural properties of sandwich beams with auxetic core revista:JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING issnciteaza:16785878 AnAparitie:2022 Autori:3 CoefM:20 WOS:000749190400001, link	(20/3)	6.666
86	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu:New Methodology for Evaluating Surface Quality of Experimental Aerodynamic Models Manufactured by Polymer Jetting Additive Manufacturing issnciteaza:20734360 AnAparitie:2022 Autori:3 CoefM:20 WOS:000754916900001, link	(20/3)	6.666
87	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu:A REVIEW OF MECHANICAL AND THERMAL PROPERTIES OF PRODUCTS PRINTED WITH RECYCLED FILAMENTS FOR USE IN 3D PRINTERS issnciteaza:0218625X AnAparitie:2022 Autori:3 CoefM:15 WOS:000760664700012, link	(15/3)	5
88	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu:Analysis of a Film Forming Process through Coupled Image Correlation and Infrared Thermography issnciteaza:20734360 AnAparitie:2022 Autori:3 CoefM:20 WOS:000774392600001, link	(20/3)	6.666
89	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat:20734360 titlu:Properties and applications of additively manufactured metallic cellular materials: A review issnciteaza: 00796425 Dată:2022 Autori:3 CoefM:30, link	(30/3)	10
90	titlucitat:Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer issncitat: 20734360 titlu: Synthesis and Characterisation of ASA-PEEK Composites for Fused Filament Fabrication issnciteaza:20734360 Dată:2022 Autori:7 CoefM:20 WOS:000760148200001, link	(20/7)	2.857

91	titlucitat: Reliability and Lifetime Assessment of Glider Wings Composite Spar through Accelerated Fatigue Life Testing issncitat:19961944 titlu: Local Stress Distributions in Fiber-Reinforced Composites with Consideration of Thermal Stresses During the Curing Process issnciteaza:01915665 AnAparitie:2021 Autori:3 CoefM:15 WOS:000721412300001, link	(15/3)	5
92	titlucitat: Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting issncitat:20754701 titlu: Tailoring of the Microstructure of Laser Powder Bed Fused Inconel 718 Using Solution Annealing and Aging Treatments issnciteaza:20754701 AnAparitie:2021 Autori:4 CoefM:20 WOS:000666064900001, link	(20/4)	5
93	titlucitat: Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting issncitat:20754701 titlu: Selective laser melting: lessons from medical devices industry and other applications issnciteaza:13552546 AnAparitie:2021 Autori:4 CoefM:20 WOS:000687759100001, link	(20/4)	5
94	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: Influence of kappa-carrageenan on the gel properties of auricularia auricular-judae during freeze-thaw cycles issnciteaza:09505423 AnAparitie:2020 Autori:6 CoefM:20 WOS:000563745800001, link	(20/6)	3.333
95	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: Physically cross-linked chitosan-based hydrogels for tissue engineering applications: A state-of-the-art review issnciteaza: 00143057 Data:2021 Autori:6 CoefM:30 WOS:000639289600001, link	(30/6)	5
96	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: K-carrageenan/Na-alginate wound dressing with sustainable drug delivery properties issnciteaza:10427147 AnAparitie:2021 Autori:6 CoefM:20 WOS:000608712500001, link	(20/6)	3.333
97	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: Augmentative molecular aspect for phase inversion of vancomycin hydrochloride-loaded fatty acid in situ forming matrices issnciteaza:02641275 AnAparitie: Autori:6 CoefM:30 WOS:000633021900003, link	(30/6)	5
98	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: Preparation and Physicochemical Characterization of a Diclofenac Sodium-Dual Layer Polyvinyl Alcohol Patch issnciteaza:20734360 Data:2021 Autori:6 CoefM:20 WOS:000682205100001, link	(20/6)	3.333
99	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: Poly(vinyl alcohol)/(hyaluronic acid-g-kappa-carrageenan) hydrogel as antibiotic-releasing wound dressing issnciteaza:03666352 AnAparitie:2021 Autori:6 CoefM:10 WOS:000687255600004, link	(10/6)	1.666
100	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: A freeze-thaw PVA hydrogel loaded with guava leaf extract: physical and antibacterial properties issnciteaza:20462069 AnAparitie:2021 Autori:6 CoefM:20 WOS:000716025900001, link	(20/6)	3.333

101	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:20734360 titlu: Preparation of gels of chitosan through a hydrothermal reaction in the presence of malonic acid and cinnamaldehyde: characterization and antibacterial activity issnciteaza:11440546 AnAparitie:2021 Autori:6 CoefM:20 WOS:000718987500001, link	(20/6)	3.333
102	titlucitat: 3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu: Tensile Behavior of 3D Printed Polylactic Acid (PLA) Based Composites Reinforced with Natural Fiber issnciteaza: 20734360 Dată:2022 Autori:3 CoefM:20 WOS:000867298000001, link	(20/3)	6.666
103	titlucitat: Tensile Properties and Manufacturing Defectives of Short Carbon Fiber Specimens Made with the FDM Process issncitat: 00255289 titlu: Structural Analysis of Carbon Fiber 3D-Printed Ribs for Small Wind Turbine Blades issnciteaza: 20734360 Dată:2022 Autori:4 CoefM:20 WOS:000887757000001, link	(20/4)	5
104	titlucitat: Comparison between Tests and Simulations Regarding Bending Resistance of 3D Printed PLA Structures issncitat: 20734360 titlu: Recent Progress in Research of Additive Manufacturing for Polymers issnciteaza: 20734360 Dată:2022 Autori:3 CoefM:20 WOS:000809101900001, link	(20/3)	6.666
105	titlucitat: Comparison between the Test and Simulation Results for PLA Structures 3D Printed, Bending Stressed issncitat: 14203049 titlu: Investigation of impact strength at different infill rates biodegradable PLA constituent through fused deposition modeling issnciteaza: 22147853 Dată:2022 Autori:3 CoefM:5 WOS:000828301100022, link	(5/3)	1.666
106	titlucitat: Fabrication and Characterization of Fiber-Reinforced Composite Sandwich Structures Obtained by Fused Filament Fabrication Process issncitat: 20796412 titlu: A Novel Manufacturing Concept of LCP Fiber-Reinforced GPET-Based Sandwich Structures with an FDM 3D-Printed Core issnciteaza: 19961944 Dată:2022 Autori:7 CoefM:20 WOS:000839047700001, link	(20/7)	2.857
107	titlucitat: Fabrication and Characterization of Fiber-Reinforced Composite Sandwich Structures Obtained by Fused Filament Fabrication Process issncitat: 20796412 titlu: Extrusion and 3D printing of novel lipid-polymer blends for oral drug applications issnciteaza:27729508 Dată:2022 Autori:7 CoefM:5 WOS:000811748600007, link	(5/7)	0.714
108	titlucitat: Characterization of Aluminum Alloy-Silicon Carbide Functionally Graded Materials Developed by Centrifugal Casting Process issncitat: 20763417 titlu: Cold spray deposition of graded Al-SiC composites issnciteaza: 22148604 Dată:2022 Autori:8 CoefM:30 WOS:000855271800003, link	(30/8)	3.75
109	titlucitat: Characterization of Aluminum Alloy-Silicon Carbide Functionally Graded Materials Developed by Centrifugal Casting Process issncitat: 20763417 titlu: Mechanical and Acoustic Properties of Alloys Used for Musical Instruments issnciteaza:19961944 Dată:2022 Autori:8 CoefM:20 WOS:000839202600001, link	(20/8)	2.5
110	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: A Brief Review on Advanced Sandwich Structures with Customized Design Core and Composite Face Sheet issnciteaza: 20734360 Dată:2022 Autori:3 CoefM:20 WOS:000873664700001, link	(20/3)	6.666
111	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Numerical Studies on Failure Mechanisms of All-Composite Sandwich Structure with	(20/3)	6.666

	Honeycomb Core under Compression and Impact Loading Conditions issnciteaza: 20734360 Dată:2022 Autori:3 CoefM:20 WOS:000867323800001, link		
112	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Crash-worthiness studies on multistage stiffened honeycomb core sandwich structures under dynamic impact loads issnciteaza: Dată:2022 Autori:3 CoefM:15 , link	(15/3)	5
113	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Flexural Properties of Periodic Lattice Structured Lightweight Cantilever Beams Fabricated Using Additive Manufacturing: Experimental and Finite Element Methods issnciteaza: 13588265 Dată:2022 Autori:3 CoefM:30 WOS:000857151000001, link	(30/3)	10
114	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Mechanical Strength of Triply Periodic Minimal Surface Lattices Subjected to Three-Point Bending issnciteaza: 20734360 Dată:2022 Autori:3 CoefM:20 WOS:000833748500001, link	(20/3)	6.666
115	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Optimal face sheet thickness of 3D printed polymeric hexagonal and re-entrant honeycomb sandwich beams subjected to three-point bending issnciteaza:02638223 Dată:2022 Autori:3 CoefM:30 WOS:000797210100003, link	(30/3)	10
116	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Thermal and morphological analysis of various 3D printed composite honeycomb cores issnciteaza:02638223 Dată:2022 Autori:3 CoefM:30 WOS:000805981600002, link	(30/3)	10
117	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Performance Evaluation of Sandwich Structures Printed by Vat Photopolymerization issnciteaza:20734360 Dată:2022 Autori:3 CoefM:20 WOS:000786993200001, link	(20/3)	6.666
118	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Feasibility study on hybrid weld-bonded joints using additive manufacturing and conductive thermoplastic filament issnciteaza:26663309 Dată:2021 Autori:3 CoefM:5 WOS:000663368700014, link	(5/3)	1.666
119	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 20734360 titlu: Recent Advances in 3D Printing of Polyhydroxyalkanoates: A Review issnciteaza:2564615X Dată:2021 Autori:3 CoefM:5 WOS:000613126700008, link	(5/3)	1.666
120	titlucitat: Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer Printed Parts issncitat:20734360 titlu: Novel Production Methods of Polyhydroxyalkanoates and Their Innovative Uses in Biomedicine and Industry issnciteaza:14203049 Dată:2022 Autori:7 CoefM:20 WOS:000896284400001, link	(20/7)	2.857
121	titlucitat: Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer Printed Parts issncitat:20734360 titlu: Recent Advances in 3D Printing of Polyhydroxyalkanoates: A Review issnciteaza:2564615X Dată:2021 Autori:7 CoefM:5 WOS:000613126700008, link	(5/7)	0.714
122	titlucitat: Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting issncitat: 20754701	(30/4)	7.5

	titlu:A comprehensive literature review on laser powder bed fusion of Inconel superalloys issnciteaza:22148604 Dată:2022 Autori:4 CoefM:30 WOS:000804558800002, link		
123	titlucitat:Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting issncitat: 20754701 titlu:Effect of Heat Treatment on the Microstructure and Hardness of Ni-Based Alloy 718 in a Variable Thickness Geometry Deposited by Powder Fed Directed Energy Deposition issnciteaza:20754701 Dată:2022 Autori:4 CoefM:20 WOS:000816040500001, link	(20/4)	5
124	titlucitat:Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting issncitat: 20754701 titlu:Simultaneously Improving Microstructures and Wear Properties of Ni60 Coating by Heat Treatment issnciteaza:20754701 Dată:2022 Autori:4 CoefM:20 WOS:000845622600001, link	(20/4)	5
125	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat: 20734360 titlu:Development and Preclinical Investigation of Physically Cross-Linked and pH-Sensitive Polymeric Gels as Potential Vaginal Contraceptives issnciteaza:20704360 Dată:2022 Autori:6 CoefM:20 WOS:000795313400001, link	(20/6)	3.333
126	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat: 20734360 titlu:Sustainable Microbial and Heavy Metal Reduction in Water Purification Systems Based on PVA/IC Nanofiber Membrane Doped with PANI/GO issnciteaza:20704360 Dată:2022 Autori:6 CoefM:20 WOS:000787034800001, link	(20/6)	3.333
127	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat: 20734360 titlu:Biomechanical behaviour of PEDOT:PSS-based hydrogels as an electrode for stent integrated enzyme biofuel cells issnciteaza:24058440 Dată:2022 Autori:6 CoefM:20 WOS:000789864900002, link	(20/6)	3.333
128	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat: 20734360 titlu:Evaluation of kappa carrageenan and gelatin based sponges for dental applications Publica?ie:Chemical Papers issnciteaza:25857290 Dată:2022 Autori:6 CoefM:20 WOS:000765699300001, link	(20/6)	3.333
129	titlucitat:The Influence of Thermal Behaviour to Composites Based on Cotton Tissue and Unsaturated Polyester Resin issncitat: 00255289 titlu:Preparation of SnO ₂ -Based Composite Gas-Sensitive Material and Its Effect on the Membrane Treatment Process of Volatile Organic Compounds issnciteaza:16874129 Dată:2022 Autori:6 CoefM:20 WOS:000844618100008, link	(20/6)	3.333
130	titlucitat:Evaluation of Heat-Treated AISI 316 Stainless Steel in Solar Furnaces to Be Used as Possible Implant Material issncitat: 19961944 titlu:Swertia chirata extract mediated synthesis of iron oxide nanoparticles and its use as corrosion inhibitor for stainless steel 316 L in Ringers solution Publica?ie:Advances in Natural Sciences: Nanoscience and Nanotechnology Dată:2021 Autori:9 CoefM:5, link	(5/9)	0.555
131	titlucitat:Evaluation of Heat-Treated AISI 316 Stainless Steel in Solar Furnaces to Be Used as Possible Implant Material issncitat: 19961944 titlu:Evaluating CNC Milling Performance for Machining AISI 316 Stainless Steel with Carbide Cutting Tool Insert Publica?ie:Materials Dată:2022 Autori:9 CoefM:20, link	(20/9)	2.222
132	titlucitat:Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issncitat: 19961944 titlu:Rolling Bearing Feature Extraction Method Based on Improved Intrinsic Time-Scale	(20/5)	4

	Decomposition and Mathematical Morphological Analysis issnciteaza:20763417 Dată:2021 Autori:5 CoefM:20 WOS:000645737600001, link		
133	titlucitat: Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issncitat: 19961944 titlu: An Enhanced Intrinsic Time-Scale Decomposition Method Based on Adaptive Levy Noise and Its Application in Bearing Fault Diagnosis issnciteaza:20738994 Dată:2021 Autori:5 CoefM:20 WOS:000643655800001, link	(20/5)	4
134	titlucitat: Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issncitat: 19961944 titlu: A New Method Based on Time-Varying Filtering Intrinsic Time-Scale Decomposition and General Refined Composite Multiscale Sample Entropy for Rolling-Bearing Feature Extraction issnciteaza:10994300 Dată:2021 Autori:5 CoefM:20 WOS:000642996800001, link	(20/5)	4
135	titlucitat: Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issncitat: 19961944 titlu: A Comprehensive Diagnosis Method of Rolling Bearing Fault Based on CEEMDAN-DFA-Improved Wavelet Threshold Function and QPSO-MPE-SVM issnciteaza:10994300 Dată:2021 Autori:5 CoefM:20 WOS:000700683100001, link	(20/5)	4
136	titlucitat: Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issncitat: 19961944 titlu: Health condition monitoring of bearings based on multifractal spectrum feature with modified empirical mode decomposition-multifractal detrended fluctuation analysis issnciteaza:17413168 Dată:2022 Autori:5 CoefM:30 WOS:000752063900001, link	(30/5)	6
137	titlucitat: Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issncitat: 19961944 titlu: Digital Twin Inspired Intelligent Bearing Fault Diagnosis Method Based on Adaptive Correlation Filtering and Improved SAE Classification Model issnciteaza:15635147 Dată:2022 Autori:5 CoefM:15 WOS:000872900900004, link	(15/5)	3
138	titlucitat: Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issncitat: 19961944 titlu: Feature extraction of rolling bearing multiple faults based on correlation coefficient and Hjorth parameter issnciteaza:18790578 Dată:2022 Autori:5 CoefM:30 WOS:000875892200001, link	(30/5)	6
139	titlucitat: Experimental and Finite Element Analysis of the Open-Cells Porous Materials Subjected to Compression Mechanical Loading issncitat: 00255289 titlu: RESEARCH REGARDING THE CAPITALIZATION OF THE WASTE RESULTED FROM THE STEEL INDUSTRY issnciteaza:14542331 Dată:2021 Autori:8 CoefM:5 WOS:000627764100017, link	(5/8)	0.625
140	titlucitat: Experimental and Finite Element Analysis of the Open-Cells Porous Materials Subjected to Compression Mechanical Loading issncitat: 00255289 titlu: Research on Composite Materials Used for Brake Shoes Manufacture issnciteaza:14542331 Dată:2022 Autori:8 CoefM:5 WOS:000813376200018, link	(5/8)	0.625
141	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Structural composite based on 3D printing polylactic acid/carbon fiber laminates (PLA/CFRC) as an alternative material for femoral stem prosthesis issnciteaza:17510180 Dată:2022 Autori:9 CoefM:20 WOS:000925736300001, link	(20/9)	2.222
142	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Effects of S/EB ratio on some properties of PLA/SEBS blends issnciteaza:02504707 Dată:2022 Autori:9 CoefM:15 WOS:000900100500001, link	(15/9)	1.666

143	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Enhanced mechanical performance of fused filament fabrication copolyester by continuous carbon fiber in-situ reinforcement issnciteaza:00214628 Dată:2022 Autori:9 CoefM:20 WOS:000881603600001, link	(20/9)	2.222
144	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Production and characterization of glibenclamide incorporated PLA filaments for 3D printing by fused deposition modeling issnciteaza:17732247 Dată:2022 Autori:9 CoefM:30 WOS:000867419300002, link	(30/9)	3.333
145	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: PHB/PLA plasticized by olive oil and carvacrol solvent-cast films with optimised ductility and physical ageing stability issnciteaza: 0141-3910 Dată:2022 Autori:9 CoefM:30 WOS:000799356800001, link	(30/9)	3.333
146	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Recovery of Waste Material from Biobags: 3D Printing Process and Thermo-Mechanical Characteristics in Comparison to Virgin and Composite Matrices issnciteaza:20734360 Dată:2022 Autori:9 CoefM:20 WOS:000801722000001, link	(20/9)	2.222
147	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Solid Dispersion Formulations by FDM 3D Printing-A Review issnciteaza:19994923 Dată:2022 Autori:9 CoefM:30 WOS:000785454200001, link	(30/9)	3.333
148	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: On the design evolution of hip implants: A review issnciteaza:02641275 Dată:2022 Autori:9 CoefM:30 WOS:000793271300001, link	(30/9)	3.333
149	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: 4D printing: Pragmatic progression in biofabrication issnciteaza:00143057 Dată:2022 Autori:9 CoefM:30 WOS:000806759800001, link	(30/9)	3.333
150	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Laboratory and field scale biodegradability assessment of biocomposite cellphone cases for end-of-life management issnciteaza:0956053X Dată:2022 Autori:9 CoefM:20 WOS:000788837300004, link	(20/9)	2.222
151	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Thermally conductive polymer nanocomposites for filament-based additive manufacturing issnciteaza:00222461 Dată:2022 Autori:9 CoefM:20 WOS:000739230900001, link	(20/9)	2.222
152	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Shape-Memory Properties of 3D Printed Cubes from Diverse PLA Materials with Different Post-Treatments issnciteaza:22277080 Dată:2022 Autori:9 CoefM:5 WOS:000744016600001, link	(5/9)	0.555
153	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Colour Fastness to Various Agents and Dynamic Mechanical Characteristics of Biocomposite Filaments and 3D Printed Samples issnciteaza:20734360	(20/9)	2.222

	Data:2021 Autori:9 CoefM:20 WOS:000718153600001, link		
154	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: 3D-printable biopolymer-based materials for water treatment: A review issnciteaza:13858947 Data:2021 Autori:9 CoefM:30 WOS:000727765400001, link	(30/9)	3.333
155	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: A review on wood powders in 3D printing: processes, properties and potential applications issnciteaza:22140697 Data:2021 Autori:29 CoefM:30 WOS:000734203100002, link	(30/29)	1.034
156	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Supercritical Impregnation of PLA Filaments with Mango Leaf Extract to Manufacture Functionalized Biomedical Devices by 3D Printing issnciteaza:00218995 Data:2021 Autori:9 CoefM:20 WOS:000671179400001, link	(20/9)	2.222
157	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Preparation and characterization of 3D printed PLA microneedle arrays for prolonged transdermal drug delivery of estradiol valerate issnciteaza:2190393X Data:2022 Autori:9 CoefM:30 WOS:000652922300001, link	(30/9)	3.333
158	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: A Comparison of the physical properties of two commercial 3D printing PLA grades issnciteaza:17452759 Data:2021 Autori:9 CoefM:30 WOS:000643836400001, link	(30/9)	3.333
159	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Structure-function assessment of 3D-printed porous scaffolds by a low-cost/open source fused filament fabrication printer issnciteaza:09284931 Data:2021 Autori:9 CoefM:30 WOS:000636846700007, link	(30/9)	3.333
160	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu:The role of additive manufacturing for biomedical applications: A critical review issnciteaza:22124616 Data:2021 Autori:9 CoefM:30 WOS:000642067500002, link	(30/9)	3.333
161	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 00218995 titlu: Direct Ink Writing of Fully Bio-Based Liquid Crystalline Lignin/ Hydroxypropyl Cellulose Aqueous Inks: Optimization of Formulations and Printing Parameters issnciteaza:25766422 Data:2020 Autori:9 CoefM:5 WOS:000619799800032, link	(5/9)	0.555
162	titlucitat: Ti-Zr-Si-Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties issncitat: 19961944 titlu: Electrochemical properties of the Si thin-film anode deposited on Ti-Nb-Zr shape memory alloy in Li-ion batteries issnciteaza: 1388-2481 Data:2022 Autori:18 CoefM:30 WOS:000863242800005, link	(30/18)	1.666
163	titlucitat: Ti-Zr-Si-Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties issncitat: 19961944 titlu: A Brief Introduction on the Development of Ti-Based Metallic Glasses issnciteaza:22968016 Data:2022 Autori:18 CoefM:20 WOS:000745130200001, link	(20/18)	1.111
164	titlucitat: Ti-Zr-Si-Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties issncitat: 19961944	(15/18)	0.833

	titlu:Long-term thermal stability, beta relaxation, and mechanical behavior of a LaCe-based bulk metallic glass issnciteaza:21583226 Dată:2021 Autori:18 CoefM:15 WOS:000606531000001, link		
165	titlucitat:Characterisation of EN 1.4136 stainless steel heat-treated in solar furnace issncitat:14333015 titlu:Open volumetric air receiver: An innovative application and a major challenge issnciteaza:2041840X Dată:2022 Autori:14 CoefM:30 WOS:000645380500001, link	(30/14)	2.142
166	titlucitat:Characterisation of EN 1.4136 stainless steel heat-treated in solar furnace issncitat:14333015 titlu:Optimization of furnace residence time and loading pattern during heat treatment of large size forgings issnciteaza:14333015 Dată:2021 Autori:14 CoefM:20 WOS:000620123800002, link	(20/14)	1.428
167	titlucitat:Heat Treatment of Steel 1.1730 with Concentrated Solar Energy titlu:Open volumetric air receiver: An innovative application and a major challenge issnciteaza:20418396 Dată:2022 Autori:11 CoefM:30 WOS:000645380500001, link	(30/11)	2.727
168	titlucitat:Method for translating 3D bone defects into personalized implants made by Additive Manufacturing issncitat:22147853 titlu:Morphology of Models Manufactured by SLM Technology and the Ti6Al4V Titanium Alloy Designed for Medical Applications issnciteaza:19961944 Dată:2021 Autori:7 CoefM:20 WOS:000718535600001, link	(20/7)	2.857
169	titlucitat:Method for translating 3D bone defects into personalized implants made by Additive Manufacturing issncitat:22147853 titlu:Improved mechanical properties and energy absorption of Ti6Al4V laser powder bed fusion lattice structures using curving lattice struts issnciteaza:02641275 Dată:2021 Autori:7 CoefM:30 WOS:000706835800007, link	(30/7)	4.285
170	titlucitat:The optimization of the production procedure in relation to the mechanical properties of additively manufactured parts issncitat:22147853 titlu: The Influence of the Process Parameters on the Mechanical Properties of PLA Specimens Produced by Fused Filament Fabrication-A Review issnciteaza:20734360 Dată:2022 Autori:6 CoefM:20 WOS:000769207600001, link	(20/6)	3.333
171	titlucitat:The optimization of the production procedure in relation to the mechanical properties of additively manufactured parts issncitat:22147853 titlu: A hybrid numerical-experimental strategy for predicting mechanical response of components manufactured via FFF issnciteaza:02638223 Dată:2022 Autori:6 CoefM:30 WOS:000841196500002, link	(30/6)	5
172	titlucitat:Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu: Printability for additive manufacturing with machine learning: Hybrid intelligent Gaussian process surrogate-based neural network model for Co-Cr alloy issnciteaza: Dată:2022 Autori:8 CoefM:20, link	(20/8)	2.5
173	titlucitat:Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu:Thermoplastic Materials for the Metal Replacement of Non-Structural Components in Marine Engines issnciteaza: Dată:2022 Autori:8 CoefM:20, link	(20/8)	2.5
174	titlucitat:Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu:Increased relative density and characteristic melt pool Signals at the edge in PBF-LB/M issnciteaza: Dată:2022 Autori:8 CoefM:30, link	(30/8)	3.75

175	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu:Tensile properties and failure behaviour of continuous kevlar fibre reinforced composites fabricated by additive manufacturing process issnciteaza: Dată:2022 Autori:8 CoefM:5 , link	(5/8)	0.625
176	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu:The frame design of a three-wheeled vehicle for a student competition using topology optimization issnciteaza: Dată:2022 Autori:8 CoefM:5 , link	(5/8)	0.625
177	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu:Influence of Freeze-Thaw Aging on the Impact Performance of Damped Carbon Fiber Reinforced Plastics for Automotive Applications issnciteaza: Dată:2022 Autori:8 CoefM:20 , link	(20/8)	2.5
178	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu:Numerical modeling and synchrotron diffraction measurements of residual stresses in laser powder bed fusion manufactured alloy 625 issnciteaza: Dată:2022 Autori:8 CoefM:30 , link	(30/8)	3.75
179	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu:Prospects of application of IoT-based advanced technologies in remanufacturing process towards sustainable development and energy-efficient use issnciteaza: Dată:2021 Autori:8 CoefM:20 , link	(20/8)	2.5
180	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu:Indirect Temperature Measurement in High Frequency Heating Systems issnciteaza:Dată:2021 Autori:8 CoefM:20 , link	(20/8)	2.5
181	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat:22147853 titlu: Experimental study on the high-damping properties of metallic lattice structures obtained from SLM issnciteaza:18732372 Dată:2021 Autori:8 CoefM:20 WOS:000651835800001, link	(20/8)	2.5
182	titlucitat: Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat:0038092X titlu: Effect of Microstructural and Textural Anisotropy on the Tensile Properties of Selective Laser Melted and Annealed Ti6Al4VE Alloy issnciteaza:15272648 Dată:2022 Autori:7 CoefM:20 WOS:000893798200001, link	(20/7)	2.857
183	titlucitat: Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat:0038092X titlu: Effect of annealing and build direction on microarc oxidation coatings and its apatite induction ability of Ti6Al4VE alloy manufactured by selective laser melting issnciteaza:08842914 Dată:2022 Autori:7 CoefM:20 WOS:000889420500003, link	(20/7)	2.857
184	titlucitat: Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat:0038092X titlu: Effect of heat treatment on microstructure and corrosion behavior of Ti6Al4V fabricated by laser beam powder bed fusion issnciteaza:0010938X Dată:2022 Autori:7 CoefM:30 WOS:000903476500001, link	(30/7)	4.285
185	titlucitat: Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat:0038092X titlu: Ti6Al4V-ELI Alloy Manufactured via Laser Powder-Bed Fusion and Heat-Treated below and above the beta-Transus: Effects of Sample Thickness and Sandblasting Post-Process issnciteaza:20763417 Dată:2022 Autori:7 CoefM:20 WOS:000809462800001, link	(20/7)	2.857

186	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat:0038092X titlu:Microstructural and mechanical optimization of selective laser melted Ti6Al4V lattices: Effect of hot isostatic pressing issnciteaza:15266125 Dată:2022 Autori:7 CoefM:30 WOS:000790963100001, link	(30/7)	4.285
187	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat:0038092X titlu:Evaluation of Heat Treatment Parameters on Microstructure and Hardness Properties of High-Speed Selective Laser Melted Ti6Al4V issnciteaza:20754701 Dată:2021 Autori:7 CoefM:20 WOS:000622794800001, link	(20/7)	2.857
188	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat:0038092X titlu:A detailed analysis on the microstructure and compressive properties of selective laser melted Ti6Al4V issnciteaza:02641275 Data: Autori:7 CoefM:30 WOS:000607549300005, link	(30/7)	4.285
189	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat:0038092X titlu:Effect of Heating Rate on Formability of Ti6Al4V Alloy Micro-gear Under an Electric Field issnciteaza:1002185X Dată:2020 Autori:7 CoefM:10 WOS:000588490000002, link	(10/7)	1.428
190	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat:10974628 titlu:Sustainable approach toward novel poly(vinyl chloride) composite using calcite-rich waste particulates issnciteaza:10835601 Dată:2022 Autori:8 CoefM:20 WOS:000788803200001, link	(20/8)	2.5
191	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat:10974628 titlu:Influence of calcium carbonate fillers on pine fiber reinforced polyester composites issnciteaza:02728397 Dată:2022 Autori:8 CoefM:20, link	(20/8)	2.5
192	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat:10974628 titlu:The effect of calcium carbonate content and particle size on the mechanical and morphological properties of a PVC foamed layer used for coated textiles issnciteaza:12225347 Dată:2022 Autori:8 CoefM:10 WOS:000886619900014, link	(10/8)	1.25
193	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat:10974628 titlu: Assessment of plastic lumber production in Brazil as a substitute for natural wood issnciteaza:1387585X Dată:2022 Autori:8 CoefM:20 WOS:000700995200002, link	(20/8)	2.5
194	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat:10974628 titlu:Sensitive characterizations of polyvinyl chloride using terahertz time-domain spectroscopy issnciteaza:13504495 Dată:2021 Autori:8 CoefM:20, link	(20/8)	2.5
195	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat:10974628 titlu:A Study on the Effect of Construction and Demolition Waste (CDW) Plastic Fractions on the Moisture and Resistance to Indentation of Wood-Polymer Composites (WPC) issnciteaza: Dată:2021 Autori:8 CoefM:5, link	(5/8)	0.625
196	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 01694332 titlu:Evaluating wettability of vessels in poplar by Micro-CT imaging issnciteaza: 00183830 Dată:2022 Autori:9 CoefM:20, link	(20/9)	2.222
197	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 01694332 titlu:Surface Characteristics of Thermally Modified Bamboo Fibers and Its Utilization Potential for Bamboo Plastic Composites issnciteaza:19661944 Dată:2022 Autori:9 CoefM:20 WOS:000824048600001, link	(20/9)	2.222

198	titlucitat: Surface properties of thermally treated composite wood panels issncitat: 01694332 titlu: Achieving highly anisotropic three-dimensional, lightweight, and versatile conductive wood/rGO composite issnciteaza:25892347 Dată:2022 Autori:9 CoefM:30 WOS:000804483700010, link	(30/9)	3.333
199	titlucitat: Surface properties of thermally treated composite wood panels issncitat: 01694332 titlu: EVALUATION OF THE DECAY LEVELS OF WOODEN COMPONENTS IN ARCADE BUILDINGS IN THE ANCIENT TOWN CHIKAN VIA POLARIZED LIGHT, FLUORESCENCE AND FTIR SPECTRA issnciteaza:13364561 Dată:2022 Autori:9 CoefM:15 WOS:000853855100003, link	(15/9)	1.666
200	titlucitat: Surface properties of thermally treated composite wood panels issncitat: 01694332 titlu: Facile preparation of water-proof paper with tunable surface properties for water/oil separation issnciteaza:01694332 Dată:2021 Autori:9 CoefM:30 WOS:000691180300001, link	(30/9)	3.333
201	titlucitat: Surface properties of thermally treated composite wood panels issncitat: 01694332 titlu: A simple, effective and inhibitor-free thermal treatment for enhancing mold-proof property of bamboo scrimber issnciteaza:00183768 Dată:2021 Autori:9 CoefM:20, link	(20/9)	2.222
202	titlucitat: Surface properties of thermally treated composite wood panels issncitat: 01694332 titlu: Fourier-Transform Infrared Spectroscopy Analysis of the Changes in Chemical Composition of Wooden Components: Part II-The Ancient Building of Danxia Temple Publica?ie:FOREST PRODUCTS JOURNAL Dată:2021 Autori:9 CoefM:10, link	(10/9)	1.111
203	titlucitat: A COMPARATIVE STUDY ABOUT STATIC AND FATIGUE BEHAVIOUR ON SANDWICH STRUCTURES WITH DIFFERENT TYPES OF GLASS FIBER REINFORCED POLYMER SKINS AND NOMEX HONEYCOMB CORE issncitat: 15833186 titlu: Experimental and theoretical research on four-point bending performance of Nomex honeycomb sandwich panels issnciteaza:07316844 Dată:2022 Autori:3 CoefM:20 WOS:000679165200001, link	(20/3)	6.666
204	titlucitat: Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issncitat: 00255289 titlu: An experimental and finite element analysis of 3D printed honeycomb structures under axial compression issnciteaza:09673911 Dată:1950 Autori:5 CoefM:15 WOS:000850911200001, link	(15/5)	3
205	titlucitat: Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issncitat: 00255289 titlu: Failure sequence determination in sandwich structures using concurrent acoustic emission monitoring and postmortem thermography issnciteaza:01676636 Dată:2022 Autori:5 CoefM:20 WOS:000714774700004, link	(20/5)	4
206	titlucitat: Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issncitat: 00255289 titlu: Fire-retardant carbon/glass fabric-reinforced epoxy sandwich composites for structural applications issnciteaza:15480569 Dată:2020 Autori:5 CoefM:20 WOS:000570786300001, link	(20/5)	4
207	titlucitat: Microstructure and micro-hardness analyses of titanium alloy Ti-6Al-4V parts manufactured by selective laser melting issncitat: 2261-236X titlu: Microstructure and corrosion performance of plasma electrolytic oxidation coatings on the surface of conventional and selective laser melted Ti-6Al-4V alloy issnciteaza:2051672X Dată:2022 Autori:6 CoefM:20 WOS:000862123600001, link	(20/6)	3.333
208	titlucitat: Microstructure and micro-hardness analyses of titanium alloy Ti-6Al-4V parts manufactured by selective laser melting issncitat: 2261-236X titlu: LPBF Manufactured Functionally Graded Lattice Structures Obtained by Graded Density and Hybrid Poissons Ratio issnciteaza:19961944	(20/6)	3.333

	Dată:2022 Autori:6 CoefM:20 WOS:000817480800001, link		
209	titlucitat: Microstructure and micro-hardness analyses of titanium alloy Ti-6Al-4V parts manufactured by selective laser melting issncitat: 2261-236X titlu: Corrosion Resistance of 3D-Printed Titanium Alloy Ti64-ELI Parts for Dental Application issnciteaza:11762322 Dată:2022 Autori:6 CoefM:15 WOS:000792694600001, link	(15/6)	2.5
210	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 19302126 titlu: Review of balsa core sandwich composite structures issnciteaza:02641275 Dată:2022 Autori:4 CoefM:30 WOS:000846552600004, link	(30/4)	7.5
211	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 19302126 titlu: Bio-based/green sandwich structures: A review issnciteaza: 02638231 Dată:2022 Autori:4 CoefM:30 WOS:000835148100003, link	(30/4)	7.5
212	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 19302126 titlu: Contribution of adhesive-reinforced interface on the performance of light-weight sustainable sandwich composites issnciteaza: 00219983 Dată:2022 Autori:4 CoefM:20 WOS:000776497700001, link	(20/4)	5
213	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 19302126 titlu: Flexural properties of lightweight carbon fiber/epoxy resin composite sandwiches with different fiber directions issnciteaza:20531591 Dată:2022 Autori:4 CoefM:20 WOS:000751075300001, link	(20/4)	5
214	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 19302126 titlu: Design, Manufacturing and Test of CFRP Front Hood Concepts for a Light-Weight Vehicle issnciteaza: 20734360 Dată:2021 Autori:4 CoefM:20 WOS:000650717000001, link	(20/4)	5
215	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 19302126 titlu: Influence of interfacial adhesive on impact and post-impact behaviors of CFRP/end-grain balsawood sandwich composites issnciteaza:13598368 Dată:2021 Autori:4 CoefM:30 WOS:000632889600029, link	(30/4)	7.5
216	titlucitat: Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting issnciteaza: 13331124 titlu: Compressive properties and energy absorption of honeycomb filled square tubes produced by selective laser melting issnciteaza: 09215093 Dată:2022 Autori:6 WOS:000809728500002, link	(30/6)	5
217	titlucitat: Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting issnciteaza: 13331124 titlu: Prediction of Behaviour of Thin-Walled DED-Processed Structure: Experimental-Numerical Approach issnciteaza: 19961944 Dată:2022 Autori:6 CoefM:20 WOS:000755273500001, link	(20/6)	3.333
218	titlucitat: Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting issnciteaza: 13331124 titlu: INVESTIGATING THE EFFECT OF ELECTRON BEAM MELTING PARAMETERS ON THE Ti6Al4V ALLOY: A SIMULATION STUDY issnciteaza: 13331124 Dată:2022 Autori:6 CoefM:10 WOS:000894007600001, link	(10/6)	1.666
219	titlucitat: Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting issnciteaza: 13331124	(30/6)	5

	titlu:Effects of different configurations and gradients on compression responses of gradient honeycombs via selective laser melting issnciteaza: 02638231 Dată:2022 Autori:6 CoefM:30 WOS:000716996400003, link		
220	titlucitat:Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting issnciteaza: 13331124 titlu:Marine Atmospheric Corrosion of Additively Manufactured Stainless Steels issnciteaza:00109312 Dată:2021 Autori:6 CoefM:20 WOS:000692209700006, link	(20/6)	3.333
221	titlucitat:Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting issnciteaza: 13331124 titlu:Knoop hardness optimal loading in measuring microhardness of maraging steel obtained by selective laser melting issnciteaza: 09544062 Dată:2021 Autori:6 CoefM:15 WOS:000652859500015, link	(15/6)	2.5
222	titlucitat:Mechanical properties and corrosion behaviour of 316L stainless steel honeycomb cellular cores manufactured by selective laser melting issnciteaza: 13331124 titlu:The Corrosion of Stainless Steel Made by Additive Manufacturing: A Review issnciteaza:20754701 Dată:2021 Autori:6 CoefM:20 WOS:000633882200001, link	(20/6)	3.333
223	titlucitat:CTE ASSESSMENT OF VARIOUS GLASS FIBRE REINFORCED POLYMER COMPOSITE ARCHITECTURES issncitat: 15822214 titlu:High sensitivity pressure measurement using optical fibre sensors mounted on a composite diaphragm issnciteaza: 10944087 Dată:2021 Autori:5 CoefM:20 WOS:000614617700094, link	(20/5)	4
224	titlucitat:Sound Absorption Performance and Mechanical Properties of the 3D-Printed Bio-Degradable Panels issncitat: 20734360 titlu:Design and verification of the square convex surface multilayer radar absorbing structure based on additive manufacturing issnciteaza: 10996362 Dată:2024 Autori:6 CoefM:20 WOS:001305451800001, link	(20/6)	3.333
225	titlucitat:Sound Absorption Performance and Mechanical Properties of the 3D-Printed Bio-Degradable Panels issncitat: 20734360 titlu:Earth-sheltered buildings: A review of modeling, energy conservation, daylighting, and noise aspects issnciteaza: 09596526 Dată:2024 Autori:6 CoefM:30 WOS:001306281400001, link	(30/6)	5
226	titlucitat:Aging resistance under short time ultraviolet (UV) radiations of polymer wood composites entirely based on wastes titlu:Comprehensive compilation and analysis of wood composite materials for X-ray, Gamma-ray, and neutron radiation shielding applications: A review Publica?ie:INDUSTRIAL CROPS AND PRODUCTS Dată:2024 Autori:4 CoefM:30, link	(30/4)	7.5
227	titlucitat:Aging resistance under short time ultraviolet (UV) radiations of polymer wood composites entirely based on wastes issncitat:23521864 titlu:Investigation of effects of environmental conditions on wear behaviors of glass fiber reinforced polyester composite materials issnciteaza: 15480569 Dată:2024 Autori:4 CoefM:20 WOS:001303473800001, link	(20/4)	5
228	titlucitat:Material Extrusion Additive Manufacturing of the Composite UAV Used for Search-and-Rescue Missions issncitat: 2504446X titlu:Inspection of microwave self-healing efficiency in carbon nanotube reinforced polymer composites for aerospace applications issnciteaza: 02728397 Dată:2024 Autori:7 CoefM:10 WOS:001205971100001, link	(10/7)	1.428
229	titlucitat:Design and Testing of Brushless DC Motor Components of A6 Steel Additively Manufactured by Selective Laser Sintering issncitat: 22264310 titlu:Temperature Field Simulation and Experiment of SlidingPressure Additive Manufacturing Based on Joule Heat issnciteaza: 1002185X	(10/7)	1.428

	Dată:2024 Autori:7 CoefM:10 WOS:001253249500009, link		
230	titlucitat: Design and Testing of Brushless DC Motor Components of A6 Steel Additively Manufactured by Selective Laser Sintering issncitat: 22264310 titlu: Stable Rules Definition for Fuzzy TS Speed Controller Implemented for BLDC Motor issnciteaza: 20763417 Dată:2024 Autori:7 CoefM:20 WOS:001160102900001, link	(20/7)	2.857
231	titlucitat: Design and Testing of Brushless DC Motor Components of A6 Steel Additively Manufactured by Selective Laser Sintering issncitat: 22264310 titlu: Electric Aerospace Actuator Manufactured by Laser Powder Bed Fusion issnciteaza:22264310 Dată:2023 Autori:7 CoefM:20 WOS:001071026000001, link	(20/7)	2.857
232	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Unveiling the impact of short fibre reinforcement and extrusion properties on microstructure of 3D printed polycarbonate composites issnciteaza: 22148604 Dată:2024 Autori:7 CoefM:30 WOS:001316252900001, link	(30/7)	4.285
233	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Assessment of carbon fiber incorporation effects on overall characteristics and properties of 3D-printed PLA issnciteaza: 16785878 Dată:2024 Autori:7 CoefM:15 WOS:001329439000005, link	(15/7)	2.142
234	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: An experimental study on the wear performance of 3D printed polylactic acid and carbon fiber reinforced polylactic acid parts: Effect of infill rate and water absorption time issnciteaza:02728397 dată:2024 Autori:7 CoefM:20 WOS:001302815000001, link	(20/7)	2.857
235	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: The thermal properties of FDM printed polymeric materials: A review issnciteaza: 01413910 Dată:2024 Autori:7 CoefM:30 WOS:001264445400001, link	(30/7)	4.285
236	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Tensile, flexural and fracture properties of MEX-printed PLA-based composites issnciteaza:01678442 Dată:2024 Autori:7 CoefM:20 WOS:001255836000001, link	(20/7)	2.857
237	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Additive Manufacturing of a Super Toughened Biodegradable Polymer Blend: Structure-Property-Processing Correlation and 3D Printed Prosthetic Part Development issnciteaza:26376105 Dată:2024 Autori:7 CoefM:20 WOS:001191248300001, link	(20/7)	2.857
238	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Investigation on the Compressive Characteristics and Optimization of Design Parameters of a Novel Functionally Graded Cell Structure issnciteaza: 26316331 Dată:2024 Autori:7 CoefM:20 WOS:001184865200001, link	(20/7)	2.857
239	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Hybrid hemp/glass fiber reinforced high-temperature shape memory photopolymer with mechanical and flame-retardant analysis issnciteaza: 20452322	(20/7)	2.857

	Data:2024 Autori:7 CoefM:20 WOS:001086765500019, link		
240	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Mechanical Performances Analysis and Prediction of Short Plant Fiber-Reinforced PLA Composites issnciteaza: 20734360 Data:2023 Autori:7 CoefM:20 WOS:001045636900001, link	(20/7)	2.857
241	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Influence of Process Parameters on the Characteristics of Additively Manufactured Parts Made from Advanced Biopolymers issnciteaza: 20734360 Data:2023 Autori:7 CoefM:20 WOS:000932580300001, link	(20/7)	2.857
242	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Effect of Infill Parameters on the Compressive Strength of 3D-Printed Nylon-Based Material issnciteaza: 20734360 Data:2023 Autori:7 CoefM:20 WOS:000918771100001, link	(20/7)	2.857
243	titlucitat: Simulation, Fabrication and Testing of UAV Composite Landing Gear issncitat: 20763417 titlu: A comprehensive overview of the fabrication and testing methods of FRP composite pipes issnciteaza: 22150161 Data:2024 Autori:7 CoefM:15 WOS:001334631800001, link	(15/7)	2.142
244	titlucitat: Simulation, Fabrication and Testing of UAV Composite Landing Gear issncitat: 20763417 titlu: Glass Fibre-Reinforced Composite Materials Used in the Aeronautical Transport Sector: A Critical Circular Economy Point of View issnciteaza: 20711050 Data:2024 Autori:7 CoefM:15 WOS:001246774800001, link	(15/7)	2.142
245	titlucitat: Simulation, Fabrication and Testing of UAV Composite Landing Gear issncitat: 20763417 titlu: Investigating the impact of epoxy Borassus flabellifer fiber-based composites for UAV landing gear issnciteaza: 10261265 Data:2024 Autori:7 CoefM:20 WOS:001214775100002, link	(20/7)	2.857
246	titlucitat: Simulation, Fabrication and Testing of UAV Composite Landing Gear issncitat: 20763417 titlu: Exploring bending behavior of curved sandwich panels with three-dimensional printed, functionally graded cores issnciteaza: 14644207 Data:2024 Autori:7 CoefM:20 WOS:001191851600001, link	(20/7)	2.857
247	titlucitat: Simulation, Fabrication and Testing of UAV Composite Landing Gear issncitat: 20763417 titlu: Efficient multidisciplinary modeling of aircraft undercarriage landing gear using data-driven Naive Bayes and finite element analysis issnciteaza: 25208160 Data:2024 Autori:7 CoefM:15 WOS:001184603000001, link	(15/7)	2.142
248	titlucitat: Simulation, Fabrication and Testing of UAV Composite Landing Gear issncitat: 20763417 titlu: Polymeric composites in extrusion-based additive manufacturing: a systematic review issnciteaza: 02728397 Data:2024 Autori:7 CoefM:20 WOS:001175002300001, link	(20/7)	2.857
249	titlucitat: Simulation, Fabrication and Testing of UAV Composite Landing Gear issncitat: 20763417 titlu: Non-additive polymer matrix coated rGO/MXene inks for embedding sensors in prepreg enhancing smart FRP composites issnciteaza: 13598368 Data:2024 Autori:7 CoefM:30 WOS:001135825300001, link	(30/7)	4.285
250	titlucitat: Simulation, Fabrication and Testing of UAV Composite Landing Gear issncitat: 20763417 titlu: Design and Additive Manufacturing of a Passive Ankle-Foot Orthosis Incorporating Material Characterization for Fiber-Reinforced PETG-CF15 issnciteaza: 19961944 Data:2023 Autori:7 CoefM:20 WOS:000987398500001, link	(20/7)	2.857
251	titlucitat: Compression and Bending Properties of Short Carbon Fiber Reinforced Polymers Sandwich Structures Produced via Fused Filament Fabrication Process issncitat: 20734360 titlu: Polymeric composites in extrusion-based additive manufacturing: a systematic review	(20/7)	2.857

	issnciteaza:02728397 Dată:2024 Autori:7 CoefM:20 WOS:001175002300001, link		
252	titlucitat: Compression and Bending Properties of Short Carbon Fiber Reinforced Polymers Sandwich Structures Produced via Fused Filament Fabrication Process issncitat: 20734360 titlu: Fused filament fabrication of carbon fiber-reinforced polymer composite: Effect of process parameters on flexural properties issnciteaza: 25778196 Dată:2024 Autori:7 CoefM:15 WOS:001097991000001, link	(15/7)	2.142
253	titlucitat: Compression and Bending Properties of Short Carbon Fiber Reinforced Polymers Sandwich Structures Produced via Fused Filament Fabrication Process issncitat: 20734360 titlu: Process parameters optimization of rotary friction welding of polylactic acid-containing glass fiber and polylactic acid-containing carbon fiber using the Taguchi method issnciteaza: 02683768 Data:2023 Autori:7 CoefM:15 WOS:001079697500002, link	(20/7)	2.857
254	titlucitat: Compression and Bending Properties of Short Carbon Fiber Reinforced Polymers Sandwich Structures Produced via Fused Filament Fabrication Process issncitat: 20734360 titlu: Anisotropy and ageing effect on the mechanical behaviour of 3D-printed short carbon-fibre composite parts issnciteaza:02638223 Dată:2023 Autori:7 CoefM:30 WOS:001054619200001, link	(30/7)	4.285
255	titlucitat: Compression and Bending Properties of Short Carbon Fiber Reinforced Polymers Sandwich Structures Produced via Fused Filament Fabrication Process issncitat: 20734360 titlu: Tribological characteristics of ABS structures with different infill densities tested by pin-on-disc Publica?ie:Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology Dată:2023 Autori:7 CoefM:15, link	(15/7)	2.142
256	titlucitat: Compression and Bending Properties of Short Carbon Fiber Reinforced Polymers Sandwich Structures Produced via Fused Filament Fabrication Process issncitat: 20734360 titlu: Residual stress and warpage of additively manufactured SCF/PLA composite parts issnciteaza: 20550340 Dată:2023 Autori:7 CoefM:15 WOS:000929145000001, link	(15/7)	2.142
257	titlucitat: Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu: Design, manufacturing and experimental validation of additive manufacturing cores for bearing seats in carbon fibre reinforced polymer structures issnciteaza: 24058440 Dată:2024 Autori:7 CoefM:20 WOS:001311836800001, link	(20/7)	2.857
258	titlucitat: Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu: Mechanical, thermal, and microstructural analysis of 3D printed short carbon fiber-reinforced nylon composites across diverse infill patterns issnciteaza: 23639512 Dată:2024 Autori:7 CoefM:20 WOS:001279224600001, link	(20/7)	2.857
259	titlucitat: Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu: The thermal properties of FDM printed polymeric materials: A review Publica?ie:Polymer Degradation and Stability Dată:2024 Autori:7 CoefM:30, link	(30/7)	4.285
260	titlucitat: Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu: Comparing Degradation Mechanisms, Quality, and Energy Usage for Pellet- and Filament-Based Material Extrusion for Short Carbon Fiber-Reinforced Composites with Recycled Polymer Matrices issnciteaza: 2504-477X Dată:2024 Autori:7 CoefM:20 WOS:001255739900001, link	(20/7)	2.857
261	titlucitat: Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu: Development of PLA/recycled-desized carbon fiber composites for 3D printing: Thermal, mechanical, and morphological analyses issnciteaza: 22387854	(30/7)	4.285

	Data:2024 Autori:7 CoefM:30 WOS:001185252500001, link		
262	titlucitat:Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu:EFFECTS OF DIFFERENT FIBER SIZES IN PLA/CARBON FIBER COMPOSITES ON MECHANICAL PROPERTIES issnciteaza: 17333490 Data:2024 Autori:7 CoefM:10 WOS:001296371200050, link	(10/7)	1.428
263	titlucitat:Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu:Effect of infill density and reinforced perimeters on tensile properties and fracture mechanism of 3D printing carbon fiber-reinforced composite issnciteaza:02683768 Data:2023 Autori:7 CoefM: 20 WOS:001024926800002, link	(20/7)	2.857
264	titlucitat:Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu:Natural and Synthetic Polymer Fillers for Applications in 3D Printing-FDM Technology Area issnciteaza: 26736497 Data:2023 Autori:7 CoefM:20 WOS:001114157500001, link	(20/7)	2.857
265	titlucitat:The Influence of Solar Sintering on Copper Heat Exchanger Parts with Controlled 3D-Printed Morphology issnciteaza: 19961944 titlu:Sustainable production of copper components using concentrated solar energy in material extrusion additive manufacturing (MEX-CSE) issnciteaza: 22149937 Data:2023 Autori:10 CoefM:30 WOS:001144137500001, link	(30/10)	3
266	titlucitat:The Influence of Solar Sintering on Copper Heat Exchanger Parts with Controlled 3D-Printed Morphology issnciteaza: 19961944 titlu:Green laser powder bed fusion based fabrication and rate-dependent mechanical properties of copper lattices issnciteaza: 02641275 Data:2023 Autori:10 CoefM:30 WOS:001054209700001, link	(30/10)	3
267	titlucitat:3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu:Structural Investigation of Wood-Inspired Cell Wall Geometries Using Additive Manufacturing: Compression Testing and Finite Element Analysis Validation issnciteaza: 19302126 Data:2024 Autori:3 CoefM:15 WOS:001315421000036, link	(15/3)	5
268	titlucitat:3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu:Application of 3D Printing Technology in Furniture Construction issnciteaza: 19961944 Data:2024 Autori:3 CoefM:20 WOS:001332380000001, link	(20/3)	6.666
269	titlucitat:3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu:Effect of UV Top Coating Microcapsules on the Coating Properties of Fiberboard Surfaces issnciteaza: 20734360 Data:2024 Autori:3 CoefM:20 WOS:001287096000001, link	(20/3)	6.666
270	titlucitat:3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu:Sustainable and eco-friendly 3D printing filament fabricated from different recycled solid wastes and evaluate its impact on interior and furniture design issnciteaza:25901230 Data:2024 Autori:3 CoefM:30 WOS:001260776200001, link	(30/3)	10
271	titlucitat:3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu:Developing Eco-Friendly 3D-Printing Composite Filament: Utilizing Palm Midrib to Reinforce High-Density Polyethylene Matrix in Design Applications issnciteaza: 20734360 Data:2024 Autori:3 CoefM:20 WOS:001210203200001, link	(20/3)	6.666
272	titlucitat:3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu:Compression behavior of the wood-inspired cellular structure of acrylonitrile butadiene styrene issnciteaza: 00255300 Data:2024 Autori:3 CoefM:20 WOS:001163209700001, link	(20/3)	6.666
273	titlucitat:3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu:A New Design Approach: Applying Optical Fiber Sensing to 3D-Printed Structures to Make	(20/3)	6.666

	Furniture Intelligent issnciteaza: 20711050 Dată:2024 Autori:3 CoefM:20 WOS:001130681700001, link		
274	titlucitat: 3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu: Mechanical and Thermal Properties of 3D-Printed Biocomposites of Polylactic Acid and Thermally Modified Wood Flour with Silver Nanoparticles issnciteaza: 14387492 Dată:2023 Autori:3 CoefM:20 WOS:001075352300001, link	(20/3)	6.666
275	titlucitat: 3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu: Advanced Composite Materials Utilized in FDM/FFF 3D Printing Manufacturing Processes: The Case of Filled Filaments issnciteaza:19961944 Dată:2023 Autori:3 CoefM:20 WOS:001079165800001, link	(20/3)	6.666
276	titlucitat: 3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu: The Effects of Self-Polymerized Polydopamine Coating on Mechanical Properties of Polylactic Acid (PLA)-Kenaf Fiber (KF) in Fused Deposition Modeling (FDM) issnciteaza: 20734360 Dată:2023 Autori:3 CoefM:20 WOS:001005399000001, link	(20/3)	6.666
277	titlucitat: Tensile Properties and Manufacturing Defectives of Short Carbon Fiber Specimens Made with the FDM Process issncitat: 00255289 titlu: Fabrication of PEI/CF composite parts with multi-angle reinforced mechanical properties by a micro-extrusion foaming FDM process issnciteaza:1359835X Dată:2024 Autori:4 CoefM:30 WOS:001333229400001, link	(30/4)	7.5
278	titlucitat: Tensile Properties and Manufacturing Defectives of Short Carbon Fiber Specimens Made with the FDM Process issncitat: 00255289 titlu: Experimental Investigation on Mechanical properties of CF15PET and GF30PP materials produced with different raster angles issnciteaza:00255300 Dată:2024 Autori:4 CoefM:20 WOS:001188827500001, link	(20/4)	5
279	titlucitat: Investigation into the Acoustic Properties of Polylactic Acid Sound-Absorbing Panels Manufactured by 3D Printing Technology: The Influence of Nozzle Diameters and Internal Configurations issncitat:19961944 titlu: Analysis and Optimization of Thermoplastic Polyurethane Infill Patterns for Additive Manufacturing in Pipeline Applications issnciteaza: 07306679 Dată:2024 Autori:7 CoefM:15 WOS:001326762700001, link	(15/7)	2.142
280	titlucitat: Mechanical Properties and Microstructure of Inconel 718 Lattice Structures Produced by Selective Laser Melting Process issncitat: 19961944 titlu: Compressive Behavior of Inconel 625 and Ti-6Al-4V Strut Lattices Fabricated by LPBF issnciteaza:20763417 Dată:2024 Autori:7 CoefM:20 WOS:001384151100001, link	(20/7)	2.857
281	titlucitat: Sound Absorption Performance and Mechanical Properties of the 3D-Printed Bio-Degradable Panels issncitat: 20734360 titlu: Interpretation of MEX additive manufacturing generic control settings impact on the spatial dielectric response of ABS: challenges and opportunities for the defense industry issnciteaza:19552513 Dată:2024 Autori:6 CoefM:20 WOS:001346808400001, link	(20/6)	3.333
282	titlucitat: Sound Absorption Performance and Mechanical Properties of the 3D-Printed Bio-Degradable Panels issncitat: 20734360 titlu: Additively manufactured metamaterials for acoustic absorption: a review issnciteaza:17452759 Dată:2024 Autori:6 CoefM:30 WOS:001371187600001, link	(30/6)	5
283	titlucitat: Sound Absorption Performance and Mechanical Properties of the 3D-Printed Bio-Degradable Panels issncitat: 20734360 titlu: Investigation of factors affecting the sound absorption behaviour of 3D printed hexagonal prism lattice polyamide structures issnciteaza: 20452322 Dată:2024 Autori:6 CoefM:20 WOS:001385854400029, link	(20/6)	3.333

284	titlucitat: Sound Absorption Performance and Mechanical Properties of the 3D-Printed Bio-Degradable Panels issncitat: 20734360 titlu: 3D Printing of Wood Composites: State of the Art and Opportunities issnciteaza: 20734360 Dată: 2024 Autori: 6 CoefM: 20 WOS: 001332616200001, link	(20/6)	3.333
285	titlucitat: The influence of the nanostructure design on the optical, electrical and thermal properties of TiNx thin films prepared by reactive magnetron sputtering issncitat: 02540584 titlu: Effect of substrate rotation on the growth behavior and topography of the Ti film deposited over a large area using DC magnetron sputtering with a rectangular target: Simulation approach and experiment issnciteaza: 23524928 Data: 2024 Autori: 11 CoefM: 20 WOS: 001355006100001, link	(20/11)	1.818
286	titlucitat: The influence of the nanostructure design on the optical, electrical and thermal properties of TiNx thin films prepared by reactive magnetron sputtering issncitat: 02540584 titlu: Tribological properties of the multilayer thin films deposited on the free-form shaped Ti13Nb13Zr alloy issnciteaza: 22897232 Dată: 2024 Autori: 11 CoefM: 15 WOS: 001339294800009, link	(15/11)	1.363
287	titlucitat: Aging resistance under short time ultraviolet (UV) radiations of polymer wood composites entirely based on wastes issncitat: 23521864 titlu: Influence of Different Environmental Factors on the Aging of Corn Straw/Polycarbonate (PPC)/Polylactic Acid (PLA) Composite Materials issnciteaza: 24701343 Dată: 2024 Autori: 4 CoefM: 20 WOS: 001387006000001, link	(20/4)	5
288	titlucitat: Aging resistance under short time ultraviolet (UV) radiations of polymer wood composites entirely based on wastes issncitat: 23521864 titlu: Fungal Chitin Nanofibrils Improve Mechanical Performance and UV-Light Resistance in Carboxymethylcellulose and Polyvinylpyrrolidone Films issnciteaza: 15257797 Dată: 2024 Autori: 4 CoefM: 30 WOS: 001352475400001, link	(30/4)	7.5
289	titlucitat: Fused Filament Fabrication of Short Glass Fiber-Reinforced Polylactic Acid Composites: Infill Density Influence on Mechanical and Thermal Properties issncitat: 20734360 titlu: Analysis of voids, interfacial and thermal properties of additively manufactured continuous natural fiber-reinforced biocomposites issnciteaza: 23639512 Dată: 2024 Autori: 7 CoefM: 20 WOS: 001377549300001, link	(20/7)	2.857
290	titlucitat: Compression and Bending Properties of Short Carbon Fiber Reinforced Polymers Sandwich Structures Produced via Fused Filament Fabrication Process issncitat: 20734360 titlu: Performance analysis of composite and steel deep drawing tools combination issnciteaza: 02683768 Dată: 2024 Autori: 7 CoefM: 20 WOS: 001368886900001, link	(20/7)	2.857
291	titlucitat: Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu: A comparative study on mechanical properties of PLA, PETG, and carbon fiber prepared by fused deposition modeling issnciteaza: 09544089 Dată: 2024 Autori: 7 CoefM: 20 WOS: 001382349400001, link	(20/7)	2.857
292	titlucitat: Infill Density Influence on Mechanical and Thermal Properties of Short Carbon Fiber-Reinforced Polyamide Composites Manufactured by FFF Process issncitat: 19961944 titlu: Performance Analysis of FFF-Printed Carbon Fiber Composites Subjected to Different Annealing Methods issnciteaza: 25044494 Dată: 2024 Autori: 7 CoefM: 20 WOS: 001387131900001, link	(20/7)	2.857
293	titlucitat: The Influence of Solar Sintering on Copper Heat Exchanger Parts with Controlled 3D-Printed Morphology issnciteaza: 19961944 titlu: Development of a novel concentrated solar-powered material extrusion system for producing printed circuit assemblies issnciteaza: 25901230 Dată: 2024 Autori: 10 CoefM: 30 WOS: 001348387400001, link	(30/10)	3

294	titlucitat: 3D Printing Application in Wood Furniture Components Assembling issncitat:19961944 titlu: Scalable Engineering of 3D Printing Filaments Derived from Recycling of Plastic Drinking Water Bottle and Glass Waste issnciteaza:20734360 Dată:2024 Autori:3 CoefM:20 WOS:001365977600001, link	(20/3)	6.666
295	titlucitat: Comparison between Tests and Simulations Regarding Bending Resistance of 3D Printed PLA Structures issnciteaza: 20734360 titlu: 3D printed polylactide-based zirconia-toughened alumina composites: fabrication, mechanical, and in vitro evaluation issnciteaza:1546542X Dată:2024 Autori:3 CoefM:15 WOS:001070107600001, link	(15/3)	5
296	titlucitat: Comparison between Tests and Simulations Regarding Bending Resistance of 3D Printed PLA Structures issnciteaza: 20734360 titlu: Study on mechanical properties of polyurethane-enhanced triply periodic minimal composite structures inspired by rachis microstructure issnciteaza: 02663538 Dată:2024 Autori:3 CoefM:30 WOS:001058625900001, link	(30/3)	10
297	titlucitat: Comparison between Tests and Simulations Regarding Bending Resistance of 3D Printed PLA Structures issnciteaza: 20734360 titlu: Predicting the Bending of 3D Printed Hyperelastic Polymer Components issnciteaza:20734360 Dată:2023 Autori:3 CoefM:20 WOS:000921187800001, link	(20/3)	6.666
298	titlucitat: Effect of concentrated solar energy on microstructure evolution of selective laser melted Ti-6Al-4V alloy issncitat: 02683768 titlu: Correlation between heat treatment temperature and microstructure-properties of the LMDed Ti-6Al-4 V alloy issnciteaza: 09478396 Dată:2024 Autori:12 CoefM:20 WOS:001382817400005, link	(20/12)	1.666
299	titlucitat: Effect of concentrated solar energy on microstructure evolution of selective laser melted Ti-6Al-4V alloy issncitat: 02683768 titlu: Application of Advanced Microscopy Techniques to the Characterization of Mixed Matrix Membranes issnciteaza: 09476539 Dată:2024 Autori:12 CoefM:20 WOS:001357093000001, link	(20/12)	1.666
300	titlucitat: Effect of concentrated solar energy on microstructure evolution of selective laser melted Ti-6Al-4V alloy issncitat: 02683768 titlu: A State-Of-The-Art Review on Materials Production and Processing Using Solar Energy issnciteaza: 08827508 Dată:2023 Autori:12 CoefM:20 WOS:001044257700001, link	(20/12)	1.666
301	titlucitat: Effect of concentrated solar energy on microstructure evolution of selective laser melted Ti-6Al-4V alloy issncitat: 02683768 titlu: Research on the consolidation and strengthening of Ti6Al4V-GO sinters issnciteaza:09258388 Dată:2023 Autori:12 CoefM:30 WOS:000998943700001, link	(30/12)	2.5
302	titlucitat: Effect of concentrated solar energy on microstructure evolution of selective laser melted Ti-6Al-4V alloy issncitat: 02683768 titlu: Surface Integrity of Cryogenically Finished Additively Manufactured and Conventional Ti-6Al-4V Alloy issnciteaza: 20754701 Dată:2023 Autori:12 CoefM:20 WOS:000979275900001, link	(20/12)	1.666
303	titlucitat: Effect of concentrated solar energy on microstructure evolution of selective laser melted Ti-6Al-4V alloy issncitat: 02683768 titlu: Selective Laser Melting Additive Manufactured Tantalum: Effect of Microstructure and Impurities on the Strengthening-Toughing Mechanism issnciteaza: 19961944 Dată:2023 Autori:12 CoefM:20 WOS:000977240900001, link	(20/12)	1.666
304	titlucitat: Comparison between the Test and Simulation Results for PLA Structures 3D Printed, Bending Stressed issncitat: 14203049	(20/3)	6.666

	titlu:Effect of infill pattern on the mechanical properties of PLA and ABS specimens prepared by FDM 3D printing issnciteaza: 09544089 Dată:2024 Autori:3 CoefM:20 WOS:001243505500001, link		
305	titlucitat:Comparison between the Test and Simulation Results for PLA Structures 3D Printed, Bending Stressed issncitat: 14203049 titlu:Experimental and numerical investigations on the thermoforming of 3D-printed polylactic acid parts issncitat: 13552546 Dată:2024 Autori:3 CoefM:20 WOS:001210777400001, link	(20/3)	6.666
306	titlucitat:Comparison between the Test and Simulation Results for PLA Structures 3D Printed, Bending Stressed issncitat: 14203049 titlu:Comparison of the Bending Behavior of Cylindrically Shaped Lattice Specimens with Radially and Orthogonally Arranged Cells Made of ABS issnciteaza: 20734360 Dată:2024 Autori:3 CoefM:20 WOS:001200833500001, link	(20/3)	6.666
307	titlucitat:Comparison between the Test and Simulation Results for PLA Structures 3D Printed, Bending Stressed issncitat: 14203049 titlu:A Study on Mechanical Properties of Low-Cost Thermoplastic-Based Materials for Material Extrusion Additive Manufacturing issnciteaza: 20734360 Dată:2023 Autori:3 CoefM:20 WOS:001071450900001, link	(20/3)	6.666
308	titlucitat:Comparison between the Test and Simulation Results for PLA Structures 3D Printed, Bending Stressed issncitat: 14203049 titlu:Comparison of notch fabrication methods on the impact strength of FDM-3D-printed PLA specimens issnciteaza: 00255300 Dată:2023 Autori:3 CoefM:20 WOS:000945936400010, link	(20/3)	6.666
309	titlucitat:Fabrication and Characterization of Fiber-Reinforced Composite Sandwich Structures Obtained by Fused Filament Fabrication Process issncitat: 2079-6412 titlu:Structure-property correlations study in biochar-enhanced polyamide composites for sustainable materials development issncitat: 13598368 Dată:2024 Autori:7 CoefM:30 WOS:001305547600001, link	(30/7)	4.285
310	titlucitat:Fabrication and Characterization of Fiber-Reinforced Composite Sandwich Structures Obtained by Fused Filament Fabrication Process issncitat: 2079-6412 titlu:Tensile, compressive, and fracture behavior of Habeshian chopped banana/epoxy core sandwich woven banana composite issncitaza: 2190-6815 Dată:2024 Autori:7 CoefM:20 WOS:001182350100001, link	(20/7)	2.857
311	titlucitat:Fabrication and Characterization of Fiber-Reinforced Composite Sandwich Structures Obtained by Fused Filament Fabrication Process issncitat: 2079-6412 titlu:Bending behavior of 3D printed sandwich structures with different core geometries and thermal aging durations issnciteaza: 0263-8231 Dată:2024 Autori:7 CoefM:30 WOS:001122714900001, link	(30/7)	4.285
312	titlucitat:Fabrication and Characterization of Fiber-Reinforced Composite Sandwich Structures Obtained by Fused Filament Fabrication Process issncitat: 2079-6412 titlu:Finite Element Analysis of Upper Limb Splint Designs and Materials for 3D Printing Publica?ie:Polymers Dată:2023 Autori:7 CoefM:20, link	(20/7)	2.857
313	titlucitat:Fabrication and Characterization of Fiber-Reinforced Composite Sandwich Structures Obtained by Fused Filament Fabrication Process issncitat: 2079-6412 titlu:Experimental investigation on 3D printed lightweight sandwich structures for energy absorption aerospace applications issnciteaza: 1270-9638 Dată:2023 Autori:7 CoefM:30 WOS:000970490900001, link	(30/7)	4.285
314	titlucitat:Fiber-Templated 3D Calcium-Phosphate Scaffolds for Biomedical Applications: The Role of the Thermal Treatment Ambient on Physico-Chemical Properties titlucitat: 1996-1944 titlu:Hindrances and solutions on the path towards adjoined barium titanate-hydroxyapatite ceramics with uncompromised piezoelectric and biological responses issnciteaza:0272-8842	(30/8)	3.75

	Data:2024 Autori:8 CoefM:30 WOS:001261539300001, link		
315	titlucitat:Characterization of Aluminum Alloy-Silicon Carbide Functionally Graded Materials Developed by Centrifugal Casting Process titlu citat: 2076-3417 titlu:Free vibration behavior in functionally graded material plates with dual efficient quadrilateral finite elements issnciteaza: 1539-7734 Data:2024 Autori:8 CoefM:20 WOS:001222489000001, link	(20/8)	2.5
316	titlucitat:Characterization of Aluminum Alloy-Silicon Carbide Functionally Graded Materials Developed by Centrifugal Casting Process titlu citat: 2076-3417 titlu:Advancements in manufacturing and vibration analysis of functionally graded polymer composites: A review issnciteaza: 1537-6494 Data:2024 Autori:8 CoefM:20 WOS:001126921900001, link	(20/8)	2.5
317	titlucitat:Characterization of Aluminum Alloy-Silicon Carbide Functionally Graded Materials Developed by Centrifugal Casting Process titlu citat: 2076-3417 titlu:Aluminium-Based Dissimilar Alloys Surface Composites Reinforced with Functional Microparticles Produced by Upward Friction Stir Processing issnciteaza:2079-6412 Data:2023 Autori:8 CoefM:20 WOS:000997070100001, link	(20/8)	2.5
318	titlucitat:Characterization of Aluminum Alloy-Silicon Carbide Functionally Graded Materials Developed by Centrifugal Casting Process titlu citat: 2076-3417 titlu:Revealing thermomechanical properties of Al ₂ O ₃ -C-SiC composites at sintering issnciteaza:1027-5495 Data:2022 Autori:8 CoefM:5 WOS:001137163500002, link	(5/8)	0.625
319	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu:Quantification of fracture mechanics with digital image correlation guides the infill design of 3D-printed snack bars with modulated flexural properties issnciteaza: 1745-2759 Data:2024 Autori:3 CoefM:30 WOS:001230713800001, link	(30/3)	10
320	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu:Impact of Infill Density and Glass Fiber Reinforcement on the Compressive and Bending Strength of Acrylonitrile Butadiene 3D-Printed Corrugated Sandwich Panels issnciteaza:14381656 Data:2024 Autori:3 CoefM:20 WOS:001363788600001, link	(20/3)	6.666
321	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu:In-Plane Cyclic Mechanical Properties of CF/PEEK/TPU Flexible Composite with Zero Poisson Ratio issnciteaza: 1996-1944 Data:2024 Autori:3 CoefM:20 WOS:001351834000001, link	(20/3)	6.666
322	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu:Mechanical Characteristics of Sandwich Structures with 3D-Printed Bio-Inspired Gyroid Structure Core and Carbon Fiber-Reinforced Polymer Laminate Face-Sheet issnciteaza:2073-4360 Data:2024 Autori:3 CoefM:20 WOS:001256588400001, link	(20/3)	6.666
323	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu:Mechanical Behavior of 3D-Printed Thickness Gradient Honeycomb Structures Publica?ie:Materials Data:2024 Autori:3 CoefM:20, link	(20/3)	6.666
324	titlucitat:Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu:Experimental-analytical and digital based investigation of 3D printed sandwich sand mold used for precast structure issnciteaza:2214-5095	(30/3)	10

	Data:2035 Autori:3 CoefM:30 WOS:001293354100001, link		
325	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Mechanical Performance Comparison of Sandwich Panels with Graded Lattice and Honeycomb Cores issnciteaza: 2313-7673 Data:2024 Autori:3 CoefM:10 WOS:001170203000001, link	(10/3)	3.333
326	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Thermomechanical modeling of dissimilar-material interfaces in composite structures issnciteaza: 0020-7403 Data:2024 Autori:3 CoefM:30 WOS:001150912400001, link	(30/3)	10
327	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Printing Compound-Curved Sandwich Structures with Robotic Multi-Bias Additive Manufacturing issnciteaza: 2731-9040 Data:2024 Autori:3 CoefM:5 WOS:001283941000044, link	(5/3)	1.666
328	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Fused Filament Fabrication of cellular, lattice and porous mechanical metamaterials: a review issnciteaza: 1745-2759 Data:2023 Autori:3 CoefM:30 WOS:001021282200001, link	(30/3)	10
329	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Evaluation of Structural Performance of 3D Printed Composite Rudder according to Internal Topology Shape issnciteaza: 2288-2103 Data:2023 Autori:3 CoefM:10 WOS:001147721000010, link	(10/3)	3.333
330	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Bioinspired Design of Material Architecture for Additive Manufacturing issnciteaza:2075-1702 Data:2023 Autori:3 CoefM:20 WOS:001131144100001, link	(20/3)	6.666
331	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Three-point bending response and energy absorption of novel sandwich beams with combined re-entrant double-arrow auxetic honeycomb cores issnciteaza: 0263-8223 Data:2023 Autori:3 CoefM:20 WOS:001097996400001, link	(20/3)	6.666
332	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Fatigue life assessment and fracture mechanisms of additively manufactured metal-fiber reinforced thermoplastic hybrid structures produced via ultrasonic joining issnciteaza: 2238-7854 Data:2023 Autori:3 CoefM:30 WOS:001078262500001, link	(30/3)	10
333	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Energy-based strut stress analysis of 3D lattice cores in sandwich panels issnciteaza:0997-7538 Data:2023 Autori:3 CoefM:20 WOS:001053814700001, link	(20/3)	6.666
334	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Design of central symmetric lattice structure for ocean engineering based on fluid-solid-interaction issnciteaza: 0951-8339 Data:2023 Autori:3 CoefM:20 WOS:000989977900001, link	(20/3)	6.666

335	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Experimental and numerical analysis of additively manufactured foamed sandwich beams issnciteaza: 0263-8223 Dată:2023 Autori:3 CoefM:30 WOS:000951107500001, link	(30/3)	10
336	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: In-plane compression performance of additively manufactured honeycomb structures: a review of influencing factors and optimisation techniques issnciteaza: 1757-9864 Dată:2023 Autori:3 CoefM:20 WOS:000943707000001, link	(20/3)	6.666
337	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Additively manufactured materials and structures: A state-of-the-art review on their mechanical characteristics and energy absorption issnciteaza: 0020-7403 Dată:2023 Autori:3 CoefM:30 WOS:000935277200001, link	(30/3)	10
338	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Additively manufactured three-dimensional lightweight cellular solids: Experimental and numerical analysis issnciteaza: 0264-1275 Dată:2023 Autori:3 CoefM:30 WOS:000975975900001, link	(30/3)	10
339	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Machine Learning and Regression Analysis Approaches for Investigation of Mechanical Properties of FDM Manufactured Re-Entrant Auxetic Structures Under Flexural Loading issnciteaza:0219-6867 Dată:2023 Autori:3 CoefM:10 WOS:000923371000001, link	(10/3)	3.333
340	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: FDM manufactured auxetic structures: An investigation of mechanical properties using machine learning techniques issnciteaza: 0020-7683 Dată:2023 Autori:3 CoefM:20 WOS:000925921700001, link	(20/3)	6.666
341	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Composite sandwich structures: review of manufacturing techniques issnciteaza:1726-0531 Dată:2024 Autori:3 CoefM:20 WOS:000906409200001, link	(20/3)	6.666
342	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Fit accuracy of resin crown on a dental model fabricated using fused deposition modeling 3D printing and a polylactic acid filament issnciteaza: 1883-1958 Dată:2023 Autori:3 CoefM:20 WOS:000923291900021, link	(20/3)	6.666
343	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Study of the Mechanical Characteristics of Sandwich Structures FDM 3D-printed issnciteaza:1785-8860 Dată:2023 Autori:3 CoefM:15 WOS:001000120500001, link	(15/3)	5
344	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: Heterogeneous quality characterization and modeling of thin wall structure in additive manufacturing issnciteaza: 2772-3690 Dată:2022 Autori:3 CoefM:20 WOS:001026243600009, link	(20/3)	6.666

345	titlucitat: Mechanical Performances of Lightweight Sandwich Structures Produced by Material Extrusion-Based Additive Manufacturing issncitat: 2073-4360 titlu: A 3D-Printed Honeycomb Cell Geometry Design with Enhanced Energy Absorption under Axial and Lateral Quasi-Static Compression Loads issnciteaza: 2673-3161 Dată:2022 Autori:3 CoefM:20 WOS:001204362900001, link	(20/3)	6.666
346	titlucitat: Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer Printed Parts issncitat: 2073-4360 titlu: Development of Advanced Oral-on-a-Chip: Replicating the Intricate Human Oral Microenvironment issnciteaza: 1449-2288 Dată:2024 Autori:7 CoefM:30 WOS:001361546100005, link	(30/7)	4.285
347	titlucitat: Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer Printed Parts issncitat: 2073-4360 titlu: A Comprehensive Mechanical Examination of ABS and ABS-like Polymers Additively Manufactured by Material Extrusion and Vat Photopolymerization Processes issnciteaza:2073-4360 Dată:2023 Autori:7 CoefM:20 WOS:001099514300001, link	(20/7)	2.857
348	titlucitat: Influence of Internal Innovative Architecture on the Mechanical Properties of 3D Polymer Printed Parts issncitat: 2073-4360 titlu: State-of-the-art review of product stewardship strategies for large composite wind turbine blades issnciteaza: 2667-3789 Dată:2022 Autori:7 CoefM:30 WOS:001108672000006, link	(30/7)	4.285
349	titlucitat: Reliability and Lifetime Assessment of Glider Wings Composite Spar through Accelerated Fatigue Life Testing issncitat: 1996-1944 titlu: Novel triply periodic minimal surfaces sandwich structures: Mechanical performance and failure analysis issnciteaza:0272-8397 Dată:2024 Autori:3 CoefM:20 WOS:001232118200001, link	(20/3)	6.666
350	titlucitat: Reliability and Lifetime Assessment of Glider Wings Composite Spar through Accelerated Fatigue Life Testing issncitat: 1996-1944 titlu: Fatigue Reliability Analysis of Composite Material Considering the Growth of Effective Stress and Critical Stiffness issnciteaza: 2226-4310 Dată:2023 Autori:3 CoefM:20 WOS:001078851500001, link	(20/3)	6.666
351	titlucitat: Reliability and Lifetime Assessment of Glider Wings Composite Spar through Accelerated Fatigue Life Testing issncitat: 1996-1944 titlu: Investigation of the performance of the structure and energy absorption in sandwich panels of PLA/TPU manufactured by the FFF technique issnciteaza:1464-4207 Dată:2024 Autori:3 CoefM:20 WOS:001036238100001, link	(20/3)	6.666
352	titlucitat: Reliability and Lifetime Assessment of Glider Wings Composite Spar through Accelerated Fatigue Life Testing issncitat: 1996-1944 titlu: Numerical and Experimental Study on Loading Behavior of Facade Sandwich Panels issnciteaza: 2075-5309 Dată:2023 Autori:3 CoefM:20 WOS:001014279200001, link	(20/3)	6.666
353	titlucitat: Reliability and Lifetime Assessment of Glider Wings Composite Spar through Accelerated Fatigue Life Testing issncitat: 1996-1944 titlu: Study of the Mechanical Characteristics of Sandwich Structures FDM 3D-printed issnciteaza:1785-8860 Dată:2023 Autori:3 CoefM:15 WOS:001000120500001, link	(15/3)	5
354	titlucitat: Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting issncitat: 2075-4701 titlu: Optimization of mechanical properties of Ti-6Al-4V triply periodic minimal surface porous structures prepared by laser beam powder bed fusion technology based on orientation control issnciteaza: 0921-5093	(30/4)	7.5

	Data:2024 Autori:4 CoefM:30 WOS:001174340400001, link		
355	titlucitat: Effects of Homogenization Heat Treatment on Mechanical Properties of Inconel 718 Sandwich Structures Manufactured by Selective Laser Melting issncitat: 2075-4701 titlu: Evaluation of mechanical properties of Ti-6Al-4V BCC lattice structure with different density gradient variations prepared by L-PBF issnciteaza:0921-5093 Data:2023 Autori:4 CoefM:30 WOS:001002864200001, link	(30/4)	7.5
356	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu: Evaluation of Conductive Porous Biobased Composites with Tunable Mechanical Properties for Potential Biological Applications issnciteaza: 2470-1343 Dată:1950 Autori:6 CoefM:20 WOS:001337302900001, link	(20/6)	3.333
357	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu: Development and Characterization of Tannic Acid-Modified PVA-kCarrageenan Gel for Sustained Release of Lidocaine issnciteaza:2365-6549 Dată:2024 Autori:6 CoefM:15 WOS:001321403200001, link	(15/6)	2.5
358	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu: Synergistic effects of starch and carrageenan from Kappaphycus alvarezii in composite film formation: Physicochemical and degradable properties issnciteaza: 0141-8130 Dată:2024 Autori:6 CoefM:30 WOS:001315991700001, link	(30/6)	5
359	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu: Preparation & characterization of polyvinyl alcohol/thymol blue composites gel and films for low radiation dosimetry issnciteaza: 1687-8507 Dată:2024 Autori:6 CoefM:15 WOS:001313572400001, link	(15/6)	2.5
360	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu: Elastomeric Ionic Hydrogel-Based Flexible Moisture-Electric Generator for Next-Generation Wearable Electronics issnciteaza: 1944-8244 Dată:2024 Autori:6 CoefM:30 WOS:001296007000001, link	(30/6)	5
361	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu: Preparation of a bigel system based on k-carrageenan hydrogel and beeswax oleogel and the effect of starch on the bigel properties issnciteaza: 0023-6438 Dată:2024 Autori:6 CoefM:30 WOS:001285571700001, link	(30/6)	5
362	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu: Design of magnetic kappa-carrageenan-collagen bioinks for 3D bioprinting issnciteaza: 0022-2461 Dată:2024 Autori:6 CoefM:20 WOS:001280481000002, link	(20/6)	3.333
363	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu: Electrospun silver chloride-loaded PVA nanofibers as a potential antibacterial and electroconductive scaffold for the management of wound infection and healing issnciteaza: 0170-0839 Dată:2024 Autori:6 CoefM:20 WOS:001270770200002, link	(20/6)	3.333
364	titlucitat: Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu: Improved Extraction of Crocin and Comprehensive Evaluation of its Physicochemical, Biological, and Functional Properties issnciteaza:0026-265X	(20/6)	3.333

	Data:2024 Autori:6 CoefM:20 WOS:001261849800001, link		
365	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Biodegradation of Seaweed-based Bioplastics Using Deep-sea Marine Bacterial Consortia issnciteaza: 0212-5919 Data:2024 Autori:6 CoefM:10 WOS:001250806000001, link	(10/6)	1.666
366	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Influence of Ageing Time of Starch Gels Prior to Freeze-Thaw Cycles on the Properties of Pinhao Starch Hydrogel (Araucaria angustifolia) issnciteaza: 0038-9056 Data:2024 Autori:6 CoefM:20 WOS:001250173800001, link	(20/6)	3.333
367	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:On the influence of graphene oxide and hydroxyapatite modification on alginate-based hydrogel matrix: thermal, physicochemical, and biological considerations issnciteaza: 1388-6150 Data:2024 Autori:6 CoefM:20 WOS:001231029300001, link	(20/6)	3.333
368	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Tranexamic acid loaded in a physically crosslinked trilaminate dressing for local hemorrhage control: Preparation, characterization, and in-vivo assessment using two different animal models issnciteaza: 0378-5173 Data:2024 Autori:6 CoefM:30 WOS:001244113300001, link	(30/6)	5
369	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:k-Carrageenan Hydrogels as a Sustainable Alternative for Controlled Release of New Biodegradable Molecules with Antimicrobial Activities issnciteaza: 1566-2543 Data:2024 Autori:6 CoefM:20 WOS:001170475200001, link	(20/6)	3.333
370	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:k-Carrageenan/sericin polymer matrix modified with different crosslinking agents and thermal crosslinking: Improved release profile of mefenamic acid issnciteaza: 0141-8130 Data:2024 Autori:6 CoefM:30 WOS:001181355800001, link	(30/6)	5
371	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Zinc/aluminum-layered double hydroxide-gallic acid doped carboxymethyl cellulose nanocomposite films for wound healing issnciteaza: 0141-8130 Data:2024 Autori:6 CoefM:30 WOS:001176607600001, link	(30/6)	5
372	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Accelerated in-vivo infected dermal wound healing with antimicrobial Bio-nanocomposite hydrogel Publica?ie:ALEXANDRIA ENGINEERING JOURNAL Data:2024 Autori:6 CoefM:30, link	(30/6)	5
373	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Nanoapatite-Loaded k-Carrageenan/Poly(vinyl alcohol)-Based Injectable Cryogel for Hemostasis and Wound Healing issnciteaza:1525-7797 Data:2024 Autori:6 CoefM:30 WOS:001161537700001, link	(30/6)	5
374	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Design of self-healable and recyclable multi-network hydrogels for efficient and selective removal of cationic dyes issnciteaza: 0014-3057 Data:2023 Autori:6 CoefM:30 WOS:001098298900001, link	(30/6)	5

375	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Preparation of 3D printable polyvinyl alcohol based conductive hydrogels via incorporating k-carrageenan for flexible strain sensors issnciteaza: 0927-7757 Dată:2023 Autori:6 CoefM:30 WOS:001054751100001, link	(30/6)	5
376	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Development and characterization of crosslinked k-carrageenan/sericin blend with covalent agents or thermal crosslink for indomethacin extended release issnciteaza:0141-8130 Dată:2023 Autori:6 CoefM:30 WOS:001029669800001, link	(30/6)	5
377	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Preparation and Properties of Physical Gel on Medical Titanium Alloy Surface issnciteaza:2310-2861 Dată:2023 Autori:6 CoefM:30 WOS:001036091600001, link	(30/6)	5
378	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:k-Carrageenan/sericin-based multiparticulate systems: A novel gastro-resistant polymer matrix for indomethacin delivery issnciteaza: 0141-8130 Dată:2023 Autori:6 CoefM:30 WOS:000929387500001, link	(30/6)	5
379	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Self-extinguished and flexible cation exchange membranes based on modified K-Carrageenan/PVA double network hydrogels for electrochemical applications issnciteaza:0141-8130 Dată:2023 Autori:6 CoefM:30 WOS:000924507400001, link	(30/6)	5
380	titlucitat:Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications issncitat:2073-4360 titlu:Modulation of poly (acrylic acid) hydrogels with ?-carrageenan for high-performance quasi-solid Al-air batteries issnciteaza: 0141-8130 Dată:2023 Autori:6 CoefM:30 WOS:000904345600001, link	(30/6)	5
381	titlucitat:Evaluation of Heat-Treated AISI 316 Stainless Steel in Solar Furnaces to Be Used as Possible Implant Material issnciteaza: 1996-1944 titlu:Determining the Necessity of Post-Processing Heat Treatment for the 316L Stainless Steel Manufactured by Laser Powder Bed Fusion through Evaluation of Mechanical and Corrosion Properties issnciteaza: 1438-1656 Dată:2024 Autori:9 CoefM:20 WOS:001325892000001, link	(20/9)	2.222
382	titlucitat:Evaluation of Heat-Treated AISI 316 Stainless Steel in Solar Furnaces to Be Used as Possible Implant Material issnciteaza: 1996-1944 titlu:Optimize the corrosion behaviour and mechanical properties of AISI 316 stainless steel under heat treatment and previous cold working issnciteaza: 2192-8010 Dată:2024 Autori:9 CoefM:20 WOS:001202003300001, link	(20/9)	2.222
383	titlucitat:Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issnciteaza: 1461-3484 titlu:Research on early fault feature extraction technology of aviation bearing based on noise estimation ITD issnciteaza: 0957-0233 Dată:2024 Autori:5 CoefM:20 WOS:001074286200001, link	(20/5)	4
384	titlucitat:Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issnciteaza: 1461-3484 titlu:Research on SVM-Based Bearing Fault Diagnosis Modeling and Multiple Swarm Genetic Algorithm Parameter Identification Method issnciteaza: 2227-7390	(20/5)	4

	Dată:2023 Autori:5 CoefM:20 WOS:001028032100001, link		
385	titlucitat: Rolling bearing fault diagnosis based on adaptive smooth ITD and MF-DFA method issnciteaza: 1461-3484 titlu: A Composite Fault Feature Enhancement Approach for Rolling Bearings Grounded on ITD and Entropy-based Weight Method issnciteaza:2153-2648 Dată:2023 Autori:5 CoefM:15 WOS:000923492500001, link	(15/5)	3
386	titlucitat: Experimental and Finite Element Analysis of the Open-Cells Porous Materials Subjected to Compression Mechanical Loading issncitat: 0025-5289 titlu: RESEARCH ON THE PRODUCTION OF COMPOSITE MATERIALS FOR BRAKE SHOES issnciteaza: 1454-2331 Dată:2023 Autori:8 CoefM:5 WOS:000813376200018, link	(5/8)	0.625
387	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Plasticization of Polylactide Using Biobased Epoxidized Isobutyl Esters Derived from Waste Soybean Oil Deodorizer Distillate issnciteaza: 1566-2543 Dată:2024 Autori:9 CoefM:20 WOS:001328933600002, link	(20/9)	2.222
388	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Rheological Changes in Bio-Based Filaments Induced by Extrusion-Based 3D Printing Process issnciteaza: 1996-1944 Dată:2024 Autori:9 CoefM:20 WOS:001287132600001, link	(20/9)	2.222
389	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Application of Fuzzy Analytic Network Process in Selection of Bio-composite Filament for Fused Deposition Modeling Process issnciteaza: 0128-7680 Dată:2024 Autori:9 CoefM:10 WOS:001283707000015, link	(10/9)	1.111
390	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Investigating the impact of laser polishing parameters on surface roughness, mass ablation rate, and optical transmittance of 3D-printed PLA substrates issnciteaza:0021-8995 Dată:2024 Autori:9 CoefM:20 WOS:001207744600001, link	(20/9)	2.222
391	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Effect of Aging on Tensile and Chemical Properties of Polylactic Acid and Polylactic Acid-Like Polymer Materials for Additive Manufacturing issnciteaza: 2073-4360 Autori:9 CoefM:20 WOS:001210426300001, link	(20/9)	2.222
392	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Foaming of 3D-Printed PLA/CaCO3 Composites by Supercritical CO2 Process for Sustainable Food Contact Materials issnciteaza:2073-4360 Dată:2024 Autori:9 CoefM:20 WOS:001193446200001, link	(20/9)	2.222
393	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Impact Fracture Resistance of Fused Deposition Models from Polylactic Acid with Respect to Infill Density and Sample Thickness issnciteaza:2076-3417 Dată:2024 Autori:9 CoefM:20 WOS:001182834100001, link	(20/9)	2.222
394	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Nano-roughness Modification Of 3D Printed Poly (Lactic Acid) Polymer Via Alkaline Wet Etching Towards Biomedical Applications issnciteaza: 2708-9967 Dată:2024 Autori:9 CoefM:15 WOS:001377046000015, link	(15/9)	1.666

395	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Effect of Shock-Variable Environmental Temperature and Humidity Conditions on 3D-Printed Polymers for Tensile Properties issnciteaza: 2073-4360 Dată:2024 Autori:9 CoefM:20 WOS:001140459400001, link	(20/9)	2.222
396	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Deposition and fabrication of biomaterials using cold spray technique: A review on the application of biomedical-implants issnciteaza: 2666-5239 Dată:2023 Autori:9 CoefM:30 WOS:001135626600001, link	(30/9)	3.333
397	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Facilitating the additive manufacture of high-performance polymers through polymer blending: A review issnciteaza: 0014-3057 Dată:2023 Autori:9 CoefM:30 WOS:001112128400001, link	(30/9)	3.333
398	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Aging effects on the viscoelastic behaviour of products by fused deposition modelling (FDM) made from recycled and wood-filled polymer resins issnciteaza: 0018-3768 Dată:2024 Autori:9 CoefM:20 WOS:001071596800002, link	(20/9)	2.222
399	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Effect of Modification and Hydrothermal Ageing on Properties of 3D-Printed Wood Flour-Poly(butylene succinate)-Poly(lactic acid) Biocomposites issnciteaza: 2073-4360 Dată:2023 Autori:9 CoefM: 20, WOS:001074280700001, link	(20/9)	2.222
400	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Control of the crystalline morphology of polyphenylene sulfide in secondary thermoforming by the strong memory effect of crystallization issnciteaza:0032-3861 Dată:2023 Autori:9 CoefM:20 WOS:001017435800001, link	(20/9)	2.222
401	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Natural fiber biocomposites via 4D printing technologies: a review of possibilities for agricultural bio-mulching and related sustainable applications issnciteaza: 2363-9512 Dată:2024 Autori:9 CoefM:20 WOS:000983425200001, link	(20/9)	2.222
402	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Degradation Behavior of 3D-Printed Residue of Astragalus Particle/Poly(Lactic Acid) Biocomposites under Soil Conditions issnciteaza: 2073-4360 Dată:2023 Autori:9 CoefM:20 WOS:000958877800001, link	(20/9)	2.222
403	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Effects of Printing Parameters on the Quality of FFF Printed Parts with Red PLA Filaments from Different Suppliers issnciteaza: 2731-0221 Dată:1950 Autori:9 CoefM:5 WOS:001351047000003, link	(5/9)	0.555
404	titlucitat: Structural changes during 3D printing of bioderived and synthetic thermoplastic materials issncitat: 0021-8995 titlu: Portable smartphone integrated 3D-Printed electrochemical sensor for nonenzymatic determination of creatinine in human urine issnciteaza: 0039-9140 Dată:2023 Autori:9 CoefM:30 WOS:000899545200002, link	(30/9)	3.333

405	titlucitat: Metastable Al-Si-Ni Alloys for Additive Manufacturing: Structural Stability and Energy Release during Heating issncitat:2075-4701 titlu: Microstructural refinement in a high elastic modulus Al-18Si-8Ni casting alloy issnciteaza:0925-8388 Dată:2024 Autori:15 CoefM:30 WOS:001322183500001, link	(30/15)	2
406	titlucitat: Metastable Al-Si-Ni Alloys for Additive Manufacturing: Structural Stability and Energy Release during Heating issncitat:2075-4701 titlu: Sintered Al-Si-Ni Alloy: Structure and Properties. I. Powder Obtaining issnciteaza: 1024-1809 Dată:2023 Autori:15 CoefM:5 WOS:001330540900002, link	(5/15)	0.333
407	titlucitat: Ti-Zr-Si-Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties issnciteaza: 1996-1944 titlu: Design, Development, and Characterization of a Novel Amorphous Ti-10Nb-10Zr-5Si-5Sn-5Cu Biomaterial Alloy Publica?ie:JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE Dată:2024 Autori:18 CoefM:20 , link	(20/18)	1.111
408	t titlucitat: Ti-Zr-Si-Nb Nanocrystalline Alloys and Metallic Glasses: Assessment on the Structure, Thermal Stability, Corrosion and Mechanical Properties issnciteaza: 1996-1944 titlu: A Review of the Development of Titanium-Based and Magnesium-Based Metallic Glasses in the Field of Biomedical Materials issnciteaza:1996-1944 Dată:2024 Autori:18 CoefM:20 WOS:001323590900001, link	(20/18)	1.111
409	titlucitat: Characterisation of EN 1.4136 stainless steel heat-treated in solar furnace issncitat:0268-3768 titlu: The Use of Solar Thermal Heating in SPIRE and Non-SPIRE Industrial Processes issnciteaza:2071-1050 Dată:2023 Autori:14 CoefM:20 WOS:000997341500001, link	(20/14)	1.428
410	titlucitat: Heat Treatment of Steel 1.1730 with Concentrated Solar Energy titlu: Prediction of the Form of a Hardened Metal Workpiece during the Straightening Process issnciteaza:2071-1050 Dată:2023 Autori:11 CoefM:20 WOS:000977863500001, link	(20/11)	1.818
411	titlucitat: Method for translating 3D bone defects into personalized implants made by Additive Manufacturing issncitat: 2214-7853 titlu: Hydroxyapatite based for bone tissue engineering: innovation and new insights in 3D printing technology issnciteaza: 0170-0839 Dată:2024 Autori:7 CoefM:20 WOS:000969336600002, link	(20/7)	2.857
412	titlucitat: Method for translating 3D bone defects into personalized implants made by Additive Manufacturing issncitat: 2214-7853 titlu: Multiscale Data Treatment in Additive Manufacturing issnciteaza: 1996-1944 Dată:2023 Autori:7 CoefM:20 WOS:000976455700001, link	(20/7)	2.857
413	titlucitat: The optimization of the production procedure in relation to the mechanical properties of additively manufactured parts issncitat: 2214-7853 titlu: Influence of Three-Dimensional Printing Parameters on Compressive Properties and Surface Smoothness of Polylactic Acid Specimens issnciteaza: 2073-4360 Dată:2023 Autori:6 CoefM:20 WOS:001072617500001, link	(20/6)	3.333
414	titlucitat: Composites with clay and bentonite matrix: a study of the certain materials behavior for ceramic composites issncitat: 2214-7853 titlu: Bentonite Clays Related to Volcanosedimentary Formations in Southeastern Spain: Mineralogical, Chemical and Pozzolanic Characteristics issnciteaza: 2075-163X Dată:2024 Autori:6 CoefM:20 WOS:001306902200001, link	(20/6)	3.333
415	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Topology optimization-based lightweight design of a certain tubular beam subframe issnciteaza: 1738-494X Dată:2024 Autori:8 CoefM:15 WOS:001348650000015, link	(15/8)	1.875

416	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Optimized Build Orientation and Laser Scanning Strategies for Reducing Thermal Residual Stress in Topology-Optimized Automotive Components issnciteaza: 2075-4701 Data: 2024 Autori: 8 CoefM: 20 WOS: 001365554300001, link	(20/8)	2.5
417	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Evaluating Tetrahedral Latticed Cubes Optimized for Additive Manufacturing Through Finite Element Analysis and Geometric Scanning Validation issnciteaza: 2329-7662 Data: 2024 Autori: 8 CoefM: 20 WOS: 001334814200001, link	(20/8)	2.5
418	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: A preliminary study on multi-material fused filament fabrication of an embedded strain gauge for low-cost real-time monitoring of part strain issnciteaza: 2363-9512 Data: 2024 Autori: 8 CoefM: 20 WOS: 001190195700001, link	(20/8)	2.5
419	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: The continuous fibre injection process (CFIP): A novel approach to lightweight design of multi-material structural components issnciteaza: 2474-3941 Data: 2024 Autori: 8 CoefM: 5 WOS: 001258853000181, link	(5/8)	0.625
420	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Adaptive topology optimization for additive manufacturing in aerospace applications issnciteaza: 1300-7009 Data: 2024 Autori: 8 CoefM: 5 WOS: 001207221100011, link	(5/8)	0.625
421	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Eco-friendly tool-based electrochemical polishing of additively manufactured metallic components issnciteaza: 1526-6125 Data: 2023 Autori: 8 CoefM: 30 WOS: 001111992900001, link	(30/8)	3.75
422	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Structural reliability-based design optimization with non-probabilistic credibility level issnciteaza: 0045-7825 Data: 2024 Autori: 8 CoefM: 30 WOS: 001090976200001, link	(30/8)	3.75
423	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Sustainability-focused optimization of fused-deposition component design and manufacturing issnciteaza: 2214-9937 Data: 2023 Autori: 8 CoefM: 30 WOS: 001049598400001, link	(30/8)	3.75
424	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Novel 3D printable bio-based and biodegradable poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) microspheres for selective laser sintering applications issnciteaza: 2589-2347 Data: 2023 Autori: 8 CoefM: 30 WOS: 000987751900001, link	(30/8)	3.75
425	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Structural Design of Special Vehicle Components Based on Topology Optimization issnciteaza: 1229-9138 Data: 2023 Autori: 8 CoefM: 15 WOS: 000953162900020, link	(15/8)	1.875

426	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: The convergence of lean management and additive manufacturing: Case of manufacturing industries issnciteaza: 2666-7908 Dată:2023 Autori:8 CoefM:30 WOS:001048000300001, link	(30/8)	3.75
427	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Hybrid acoustic materials through assembly of tubes and microchannels: design and experimental investigation issnciteaza:1355-2546 Dată:2023 Autori:8 CoefM:20 WOS:000922603000001, link	(20/8)	2.5
428	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Computational Acceleration of Topology Optimization Using Deep Learning issnciteaza: 2076-3417 Dată:2023 Autori:8 CoefM:20 WOS:000910002000001, link	(20/8)	2.5
429	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Development of microstructure and high hardness of Ti6Al4V alloy fabricated using laser beam powder bed fusion: A novel sub-transus heat treatment approach issnciteaza: 0925-8388 Dată:2023 Autori:8 CoefM:30 WOS:000909585000001, link	(30/8)	3.75
430	titlucitat: Weight reduction by topology optimization of an engine subframe mount, designed for additive manufacturing production issncitat: 2214-7853 titlu: Hybrid direct ink write 3D printing of high-performance composite structures issnciteaza:1355-2546 Dată:2023 Autori:8 CoefM:20 WOS:000882761200001, link	(20/8)	2.5
431	titlucitat: Additively manufactured femoral stem topology optimization: case study issncitat:2214-7853 titlu: Structural optimization of orthopedic hip implant using parametric and non-parametric optimization techniques issnciteaza: 2057-1976 Dată:2023 Autori:8 CoefM:15 WOS:001048385400001, link	(15/8)	1.875
432	titlucitat: Additively manufactured femoral stem topology optimization: case study issncitat:2214-7853 titlu: Multiscale Homogenization Techniques for TPMS Foam Material for Biomedical Structural Applications issnciteaza: 2306-5354 Dată:2023 Autori:8 CoefM:20 WOS:000995515300001, link	(20/8)	2.5
433	titlucitat: Additively manufactured femoral stem topology optimization: case study issncitat:2214-7853 titlu: A study on finite element analysis methodologies and approaches used for total hip arthroplasty issnciteaza: 2214-7853 Dată:2022 Autori:8 CoefM:5 WOS:000797652000025, link	(5/8)	0.625
434	titlucitat: Additively manufactured femoral stem topology optimization: case study issncitat:2214-7853 titlu: The advances of topology optimization techniques in orthopedic implants: A review issnciteaza: 0140-0118 Dată:2021 Autori:8 CoefM:20 WOS:000682631200001, link	(20/8)	2.5
435	titlucitat: Microstructure, phase transformations and properties evaluation of Al-Si-Ni metastable alloys issncitat: 2214-7853 titlu: Nanocrystallization of amorphous alloy Al87Ni8Dy5 induced by heat treatment issnciteaza:2214-7853 Dată:2022 Autori:5 CoefM:5 WOS:000836451500018, link	(5/5)	1

436	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat: 0038-092X titlu:A review of 3D-printed bimetallic alloys issnciteaza: 0268-3768 Dată:2024 Autori:7 CoefM:20 WOS:001208649600006, link	(20/7)	2.857
437	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat: 0038-092X titlu:Microstructural characterization of the Ti6Al4V alloy processed by additive manufacturing via Selective Laser Melting and subjected to heat treatment issnciteaza: 1517-7076 Dată:2024 Autori:7 CoefM:10 WOS:001327912500001, link	(10/7)	1.428
438	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat: 0038-092X titlu:Predictability Assessment of As-built Hardness of Ti-6Al-4V Alloy Fabricated via Laser Powder Bed Fusion issnciteaza: 2213-8463 Dată:2023 Autori:7 CoefM:20 WOS:001089014800095, link	(20/7)	2.857
439	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat: 0038-092X titlu:Strength/ductility trade-off of Laser Powder Bed Fusion Ti-6Al-4V: Synergetic effect of alpha-case formation and microstructure evolution upon heat treatments issnciteaza: 2214-8604 Dată:2023 Autori:7 CoefM:20 WOS:001077759500001, link	(20/7)	2.857
440	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat: 0038-092X titlu:STABILITY ASSESSMENT OF HIGH TEMPERATURE COATINGS FOR FLUX MEASUREMENT APPLICATIONS issnciteaza: 978-0-7918-8718-9 Dată:2023 Autori:7 CoefM:5 WOS:001219220800038, link	(5/7)	0.714
441	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat: 0038-092X titlu:Microstructural optimization and mechanical enhancement of SLM Ti6Al4V TPMS scaffolds through vacuum annealing treatment issnciteaza: 0925-8388 Dată:2023 Autori:7 CoefM:30 WOS:000984868600001, link	(30/7)	4.285
442	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat: 0038-092X titlu:Ti6Al4V-ELI Alloy Manufactured via Laser Powder-Bed Fusion and Heat-Treated below and above the β -Transus: Effects of Sample Thickness and Sandblasting Post-Process issnciteaza:2076-3417 Dată:2022 Autori:7 CoefM:20 WOS:000809462800001, link	(20/7)	2.857
443	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat: 0038-092X titlu:Metallic materials fabrication by selective laser melting: A review issnciteaza: 2214-7853 Dată:2021 Autori:7 CoefM:5 WOS:000624316000041, link	(5/7)	0.714
444	titlucitat:Concentrated solar energy used for heat treatment of Ti6Al4V alloy manufactured by selective laser melting issncitat: 0038-092X titlu:Microstructural, corrosion and mechanical properties of additively manufactured alloys: a review issnciteaza: 1040-8436 Dată:2022 Autori:7 CoefM:30 WOS:000621333200001, link	(30/7)	4.285
445	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat: 0021-8995 titlu:Remarkable Toughening of Plastic with Monodispersed Nano-CaCO ₃ : From Theoretical Predictions to Experimental Validation issnciteaza:0743-7463 Dată:2024 Autori:8 CoefM:20 WOS:001253507300001, link	(20/8)	2.5
446	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat: 0021-8995 titlu:Investigation of dielectric properties and conductivity of polyvinyl chloride composites by terahertz time-domain spectroscopy issnciteaza: 0142-9418	(30/8)	3.75

	Data:2024 Autori:8 CoefM:30 WOS:001239624700001, link		
447	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat: 0021-8995 titlu:Hydroxyapatite-lignin hybrid systems as improved poly(vinyl chloride) fillers: From preparation to application issnciteaza: 0141-8130 Data:2024 Autori:8 CoefM:30 WOS:001219943800001, link	(30/8)	3.75
448	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat: 0021-8995 titlu:Exploring the synergistic effect of inorganic and organic particulates in polyvinyl chloride composites through comparative analysis and accelerated weathering issnciteaza:1083-5601 Data:2024 Autori:8 CoefM:20 WOS:001085695300001, link	(20/8)	2.5
449	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat: 0021-8995 titlu:Formulation optimization and performance enhancement of polyvinyl chloride-silica micropowder composites with a promising flooring application issnciteaza: 2238-7854 Data:2023 Autori:8 CoefM:30 WOS:001088952600001, link	(30/8)	3.75
450	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat: 0021-8995 titlu:A comparative assessment of the use of suitable analytical techniques to evaluate plasticizer compatibility issnciteaza: 0021-8995 Data:2023 Autori:8 CoefM:20 WOS:000988948800001, link	(20/8)	2.5
451	titlucitat:Calcium carbonate and wood reinforced hybrid PVC composites issncitat: 0021-8995 titlu:Effect of calcium carbonate particle size and content on the thermal properties of PVC foamed layer used for coated textiles issnciteaza: 1300-0527 Data:2023 Autori:8 CoefM:15 WOS:000986980500004, link	(15/8)	1.875
452	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:Study of the effect of heat temperature on the chemical changes and hygroscopicity of eucalyptus wood by FT-IR and prediction of mechanical properties by the MLR regression method issnciteaza: 1386-1425 Data:2024 Autori:9 CoefM:20 WOS:001284320800001, link	(20/9)	2.222
453	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:Use of Spinning Rollers for Surface Densification of Wood issnciteaza: 0012-6772 Data:2024 Autori:9 CoefM:10 WOS:001250792200006, link	(10/9)	1.111
454	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:Glued-bamboo composite based on a highly cross-linked cellulose-based adhesive and an epoxy functionalized bamboo surface issnciteaza:0141-8130 Data:2024 Autori:9 CoefM:30 WOS:001243454900001, link	(30/9)	3.333
455	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:Super-stable modified wood for enhanced autonomous indoor humidity regulation issnciteaza: 1385-8947 Data:2024 Autori:9 CoefM:30 WOS:001226480400001, link	(30/9)	3.333
456	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:Unveiling optimal wetting additives for extinguishing wood fires: Insights from molecular simulation and experimental investigations issnciteaza: 2468-0230 Data:2024 Autori:9 CoefM:30 WOS:001165743700001, link	(30/9)	3.333
457	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu: Effects of the Surface Roughness of Six Wood Species for Furniture Production on the Wettability and Bonding Quality of Coating issnciteaza: 1999-4907 Data:2023 Autori:9 CoefM:20 WOS:000998149600001, link	(20/9)	2.222
458	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:Thermal transformation of bamboo sawdust for its advanced cementitious composites issnciteaza:0950-0618 Data:2023 Autori:9 CoefM:30 WOS:001008788000001, link	(30/9)	3.333
459	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:A novel two-step strategy to construct multifunctional superhydrophobic wood by liquid-	(20/9)	2.222

	vapor phase deposition of methyltrimethoxysilane for improving moisture resistance, anti-corrosion and mechanical strength issnciteaza:0927-7757 Dată:2023 Autori:9 CoefM:20 WOS:001006904400001, link		
460	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:Cross-laminated strand veneer lumber mass timber panels from thermally modified strands issnciteaza:0950-0618 Dată:2023 Autori:9 CoefM:30 WOS:000925917200001, link	(30/9)	3.333
461	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:Identification of Tree Species and Extent of Material Deterioration of Wood Components in the Yangjia Courtyard Ancient Building issnciteaza: 0015-7473 Dată:2023 Autori:9 CoefM:15 WOS:000972745000001, link	(15/9)	1.666
462	titlucitat:Surface properties of thermally treated composite wood panels issncitat: 0169-4332 titlu:Improvement of the properties of hardboard with heat treatment application issnciteaza:1517-7076 Dată:2023 Autori:9 CoefM:10 WOS:000937999600001, link	(10/9)	1.111
463	titlucitat:Accelerated Corrosion Analysis of AlSi10Mg Alloy Manufactured by Selective Laser Melting (SLM) issnciteaza: 0034-7752 titlu:Corrosion in laser powder bed fusion AlSi10Mg alloy Publica?ie:ENGINEERING REPORTS Dată:2024 Autori:7 CoefM:15 WOS:000433223000046, link	(15/7)	2.142
464	titlucitat:The Influence of Powder Particle and Grain Size on Parts Manufacturing by Powder Bed Fusion issncitat: 0255-5476 titlu:Microstructure effects on process outputs in micro scale milling of heat treated Ti6Al4V titanium alloys issnciteaza: 0924-0136 Dată:2018 Autori:12 CoefM:30 WOS:000417659800037, link	(30/12)	2.5
465	titlucitat:The Influence of Powder Particle and Grain Size on Parts Manufacturing by Powder Bed Fusion issncitat: 0255-5476 titlu:Effects of disc milling parameters on the physical properties and microstructural characteristics of Ti6Al4V powders issnciteaza: 0925-8388 Dată:2017 Autori:12 CoefM:30 WOS:000407009400050, link	(30/12)	2.5
466	titlucitat:The Influence of Powder Particle and Grain Size on Parts Manufacturing by Powder Bed Fusion issncitat: 0255-5476 titlu:Experimental investigation into electrochemical milling of Ti6Al4V issnciteaza: 1526-6125 Dată:2017 Autori:12 CoefM:30 WOS:000413386000011, link	(30/12)	2.5
467	titlucitat:The Influence of Powder Particle and Grain Size on Parts Manufacturing by Powder Bed Fusion issncitat: 0255-5476 titlu:FE modeling of burr size in high- speed micro-milling of Ti6Al4V issnciteaza: 0141-6359 Dată:2017 Autori:12 CoefM:20 WOS:000402444000029, link	(20/12)	1.666
468	titlucitat:A comparative study about static and fatigue behaviour on sandwich structures with different types of glass fiber reinforced polymer skins and nomex honeycomb core issncitat:1583-3186 titlu:Research of Extreme Service Temperature on the Bending Behavior of Composites for Wind Turbine Blades issnciteaza: 1229-9197 Dată:2024 Autori:3 CoefM:20 WOS:001243869700001, link	(20/3)	6.666
469	titlucitat:An Investigation on the Reliability and Degradation of Polycrystalline Silicon Solar Cells Under Accelerated Corrosion Test issnciteaza: 0025-5289 titlu:Toward sustainable solar energy: Analyzing key parameters in photovoltaic systems issnciteaza:2158-3226 ată:2024 Autori:7 CoefM:15 WOS:001359551700005, link	(15/7)	2.142
470	titlucitat:An Investigation on the Reliability and Degradation of Polycrystalline Silicon Solar Cells Under Accelerated Corrosion Test issnciteaza: 0025-5289 titlu:Discussion on the development of offshore floating photovoltaic plants, emphasizing marine	(20/7)	2.857

	environmental protection issnciteaza: 2296-7745 Dată:2024 Autori:7 CoefM:20 WOS:001187054500001, link		
471	titlucitat: An Investigation on the Reliability and Degradation of Polycrystalline Silicon Solar Cells Under Accelerated Corrosion Test issnciteaza: 0025-5289 titlu: Offshore floating photovoltaics system assessment in worldwide perspective issnciteaza:1062-7995 Dată:2023 Autori:7 CoefM:30 WOS:001011167800001, link	(30/7)	4.285
472	titlucitat: An Investigation on the Reliability and Degradation of Polycrystalline Silicon Solar Cells Under Accelerated Corrosion Test issnciteaza: 0025-5289 titlu: Photovoltaic Module Degradation Forecast Models for Onshore and Offshore Floating Systems issnciteaza:1996-1073 Dată:2023 Autori:7 CoefM:20 WOS:000947192000001, link	(20/7)	2.857
473	titlucitat: An Investigation on the Reliability and Degradation of Polycrystalline Silicon Solar Cells Under Accelerated Corrosion Test issnciteaza: 0025-5289 titlu: STYLUS-BASED TACTILE PROFILOMETER CAN PRODUCE RELIABLE RESULTS OF GLASS IONOMERS SURFACE ROUGHNESS MEASUREMENT: INTER- AND INTRA-OPERATOR RELIABILITY STUDY issnciteaza: 0048-7848 Dată:2020 Autori:7 CoefM:5 WOS:000610179500032, link	(5/7)	0.714
474	titlucitat: Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issnciteaza: 0025-5289 titlu: Enhancing adhesive bonding and mechanical properties of composite sandwich panels through atmospheric plasma activation issnciteaza: 0272-8397 OSITES Dată:2024 Autori:5 CoefM:20 WOS:001393227600001, link	(20/5)	4
475	titlucitat: Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issnciteaza: 0025-5289 titlu: Impact resistance of aramid honeycomb tandem sandwich composites reinforced with TiB2 issnciteaza: 2634-9833 Dată:2035 Autori:5 CoefM:15 WOS:001277974500001, link	(15/5)	3
476	titlucitat: Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issnciteaza: 0025-5289 titlu: Stackable and Deployable Laser-Induced Graphene Layers Toward the Flexible Manufacturing of Smart 3D Honeycombs with Multifunctional Performance issnciteaza: 1616-301X Dată:2024 Autori:5 CoefM:30 WOS:001157367900001, link	(30/5)	6
477	titlucitat: Mechanical Properties and Fatigue Performances on Sandwich Structures with CFRP Skin and Nomex Honeycomb Core issnciteaza: 0025-5289 titlu: Surface integrity of Nomex honeycomb composites after ultrasonic vibration machining by using disc cutters issnciteaza: 1526-6125 Dată:2023 Autori:5 CoefM:30 WOS:001073414800001, link	(30/5)	6
478	titlucitat: Microstructure and micro-hardness analyses of titanium alloy Ti-6Al-4V parts manufactured by selective laser melting issncitat: 2261-236X titlu: The Porosity Design and Deformation Behavior Analysis of Additively Manufactured Bone Scaffolds through Finite Element Modelling and Mechanical Property Investigations issnciteaza:2079-4983 Dată:2023 Autori:4 CoefM:30 WOS:001089484800001, link	(30/4)	7.5
479	titlucitat: Microstructure and micro-hardness analyses of titanium alloy Ti-6Al-4V parts manufactured by selective laser melting issncitat: 2261-236X titlu: LPBF Manufactured Functionally Graded Lattice Structures Obtained by Graded Density and Hybrid Poissons Ratio issnciteaza: 1996-1944 Dată:2022 Autori:4 CoefM:20 WOS:000817480800001, link	(20/4)	5
480	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 1930-2126	(20/4)	5

	titlu: Impact behavior of natural material-based sandwich composites issnciteaza: 0025-5300 Dată:2024 Autori:4 CoefM:20 WOS:001365769400001, link		
481	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 1930-2126 titlu: Properties, Applications and Recent Developments of Cellular Solid Materials: A Review issnciteaza: 1996-1944 Dată:2023 Autori:4 CoefM:20 WOS:001119871000001, link	(20/4)	5
482	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 1930-2126 titlu: Evaluation of Blue Cupressus Arizona Cone in Automotive Brake Pad Biocomposite issnciteaza: 1930-2126 Dată:2023 Autori:4 CoefM:15 WOS:001058843500016, link	(15/4)	3.75
483	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 1930-2126 titlu: Characterisation of damage mechanisms of GFRP-balsa sandwich under 4-point bending based on two-step clustering process in acoustic emission analysis issnciteaza: 1359-8368 Dată:2023 Autori:4 CoefM:30 WOS:001053822100001, link	(30/4)	7.5
484	titlucitat: Experimental Study of Static and Fatigue Behavior of CFRP-Balsa Sandwiches under Three-point Flexural Loading issncitat: 1930-2126 titlu: Experimental and numerical investigation of flexural behavior of balsa core sandwich composite structures issnciteaza: 0025-5300 Dată:2023 Autori:4 CoefM:20 WOS:000981680100001, link	(20/4)	5
485	titlucitat: Mechanical properties and corrosion behaviour of 316l stainless steel honeycomb cellular cores manufactured by selective laser melting issncitat:1333-1124 titlu: Compression properties and energy absorption of Gyroid lattice cylindrical shells filled thin-walled tubes fabricated by selective laser melting issnciteaza: 1537-6494 Dată:2024 Autori:6 CoefM:20 WOS:001268182600001, link	(20/6)	3.333
486	titlucitat: Mechanical properties and corrosion behaviour of 316l stainless steel honeycomb cellular cores manufactured by selective laser melting issncitat:1333-1124 titlu: Effect of heat treatment on AISi10Mg composite 3D printed energy absorption structures issnciteaza: 1110-0168 Dată:2024 Autori:6 CoefM:30 WOS:001250370600001, link	(30/6)	5
487	titlucitat: Mechanical properties and corrosion behaviour of 316l stainless steel honeycomb cellular cores manufactured by selective laser melting issncitat:1333-1124 titlu: Corrosion Performance of Wire Arc Additive Manufacturing of Stainless Steel: A Brief Critical Assessment issnciteaza:2329-7662 Dată:2024 Autori:6 CoefM:20 WOS:000912857200001, link	(20/6)	3.333
488	titlucitat: Mechanical properties and corrosion behaviour of 316l stainless steel honeycomb cellular cores manufactured by selective laser melting issncitat:1333-1124 titlu: Numerical simulation of continuous laser microdrilling of ultrathick aluminum honeycomb sandwich panels issnciteaza: 0268-3768 Dată:2023 Autori:6 CoefM:20 WOS:000913487800001, link	(20/6)	3.333
489	titlucitat: Thermal and Sound Insulation Properties of Organic Biocomposite Mixtures issncitat:2073-4360 titlu: Rice Husk-Based Insulators: Manufacturing Process and Thermal Potential Assessment issnciteaza:1996-1944 Dată:2024 Autori:6 CoefM:10 WOS:001245405500001, link	(10/6)	1.666
490	titlucitat: Investigation into the Acoustic Properties of Polylactic Acid Sound-Absorbing Panels Manufactured by 3D Printing Technology: The Influence of Nozzle Diameters and Internal Configurations issncitat: 1996-1944 titlu: An Analysis of the Displacements in 3D-Printed PLA Acoustic Guitars issnciteaza:2073-4360	(10/7)	1.428

	Data:2024 Autori:7 CoefM:10 WOS:001287099400001, link		
491	titlucitat: Material Extrusion Additive Manufacturing of the Composite UAV Used for Search-and-Rescue Missions issnciteaza: 2504-446X titlu: Multi-objective Bayesian optimization of fused filament fabrication parameters for enhanced specific fracture energy in PLA-carbon fiber composites issnciteaza: 2055-0340 Data:2024 Autori:7 CoefM:5 WOS:001297921200001, link	(5/7)	0.714
492	titlucitat: Material Extrusion Additive Manufacturing of the Composite UAV Used for Search-and-Rescue Missions issnciteaza: 2504-446X titlu: Security Performance Analysis of Full-Duplex UAV Assisted Relay System Based on SWIPT Technology issnciteaza: 2076-3417 Data:2024 Autori:7 CoefM:10 WOS:001254615100001, link	(10/7)	1.428
Total 3.1.1		1782.02	

3.1.2	Citari in reviste BDI		
1	Titlucitat: Application of natural fiber composites in automotive industry issncitat:04619579 Autori:4 BDI: Google Scholar Titlu: ESTUDO DA RIGIDEZ DE LAMINADOS POLIMÉRICOS COM FIBRAS SINTÉTICAS E NATURAIS POR MEIO DE SIMULAÇÃO NUMÉRICA , AnAparitie:2016, link	(3/4)	0.75
2	Titlucitat: Microstructure and micro-hardness analyses of titanium alloy Ti-6Al-4V parts manufactured by selective laser melting issncitat:16627482 Autori:4 BDI:SpringerLink Titlu: Surface Finish Improvement of Additive Manufactured Metal Parts revista:Micro and Precision Manufacturing issnciteaza:16121317 , AnAparitie:2018, link	(3/4)	0.75
3	Titlucitat: Ni-5Al-Cladding by thermal arc spraying issncitat:20696736 Autori:4 BDI:Scopus Titlu: Contact Wear Studies over Idlers Sprayed With Ni Al Si Powder Using Atmospheric Plasma Spraying Method revista:Advanced Materials Research issnciteaza:16628985 AnAparitie:2014, link	(3/4)	0.75
4	Titlucitat: Ni-5Al-Cladding by thermal arc spraying issncitat:20696736 Autori:4 BDI:Ebsco Titlu: Decreasing the Adhesion Effect of Surfaces Using Graphite Pellicle Deposition Through Electric Discharges in Pulse. revista:Advanced Materials Research issnciteaza:16628985 AnAparitie:2014, link	(3/4)	0.75
5	Titlucitat: Mechanical and tribological performance of coated ceramic tiles with alumina by thermal spraying process issncitat:18577881 Autori:4 BDI: Google Scholar Titlu: Mechanical and tribological performance of coated ceramic tiles with alumina by thermal spraying process revista:Tecno Lógicas issnciteaza:01237799 AnAparitie:2015, link	(3/4)	0.75
6	Titlucitat: Some Considerations Regarding Micro Hardness of Parts Manufactured from 316-L Steel Using SLM Technology issncitat:16627482 Autori:4 BDI:Science Direct Titlu: MICROSCOPIC INVESTIGATION ON MATERIAL STRUCTURE OF BROKEN ADDITIVELY MANUFACTURED PARTS revista:Applied Mechanics & Materials issnciteaza:16627482 AnAparitie:2015, link	(3/4)	0.75
Total 3.1.2		4.5	

3.3.1	Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice / Recenzor pentru reviste si manifestari stiintifice nationale si internationale indexate ISI		
	titlu: Editor la Revista Metalurgia International issn:15822214 CoefM:12 Perioada:2011-2013 link	12	12
		Total	12
3.3.2	Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice / Recenzor pentru reviste si manifestari stiintifice nationale si internationale indexate BDI		
	titlu: Redactor la Revista Metalurgia issn:04619579 BDI: Google Scholar CoefM:10 link 1 link	10	10

	titlu:Membru in colectivul de redactie la Revista Metalurgia issn:04619579 BDI: Google Scholar CoefM:5 link	5	5
	titlu:Membru in colectivul de redactie la Revista Metalurgia International issn:15822214 BDI:Scopus CoefM:5 link	5	5
		Total 3.2	20
3.3.3	Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, organizator de manifestari stiintifice / Recenzor pentru reviste si manifestari stiintifice nationale si internationale neindexate		
	titlu: Membru in comitetul de organizare BRAMAT 2015 CoefM:3 link	3	3
	titlu: Membru in comitetul de organizare Second International Iron and Steel Symposium (IISS'15) CoefM:3 link	3	3
	titlu: Membru in comitetul de organizare BRAMAT 2019 CoefM:3 link	3	3
	titlu: Membru in comitetul de organizare BRAMAT 2017 CoefM:3 link	3	3
	titlu: Membru in comitetul de organizare BRAMAT 2022 CoefM:3 link	3	3
	titlu: Membru in comitetul de organizare BRAMAT 2024 CoefM:3 link	3	3
		Total	18
		Total 3.3	50

3.6.4.2.	Membru Asociatii profesionale nationale		
	asociatia:Asociatia Tehnica de Turnatorie din Romania Perioada:2014 - 2024, link	2	2
		Total 3.6.4.2	2
3.6.5. Membru in organizatii in domeniul educatiei si cercetarii			
3.6.5.2. Membru	Membru al Consiliului Departamentului Ingineria Materialelor Perioada:2019-2025 link	2	2
		Total 3.6.5.2	2
		Total 3.6	4

Total realizat criteriul A3: 1840.52

Data
04.02.2025

CS II dr. ing. Pop Mihai Alin