

Author: Assoc. Prof. Dr. Chem. Cătălin Croitoru

Habilitation thesis title: Functional polymeric materials obtained with ionic liquids auxiliaries and additives

Domain: Materials Engineering

PUBLICATIONS LIST

RELEVANT PAPERS

1. Croitoru C, Patachia S, Cretu N, Boer A, Friedrich C. Influence of ionic liquids on the surface properties of poplar veneers. *Applied Surface Science* (2011), Vol.257, Nr.14, pag. 6220-25. WOS: 000288646900050 (Q1 journal-first in the domain of Materials Science, Coatings & Films)
<https://www.sciencedirect.com/science/article/abs/pii/S0169433211002327>
2. Croitoru C, Patachia S, Doroftei F, Paparita E, Vasile C. Ionic liquids influence on the surface properties of electron beam irradiated wood. *Applied Surface Science* (2014), Vol. 314, pag. 956–966. WOS: 000341464100130 (Q1 journal- first in the domain of Materials Science, Coatings & Films)
<https://www.sciencedirect.com/science/article/abs/pii/S0169433214014470>
3. Croitoru C, Patachia S, Porzsolt A, Friedrich C. Effect of alkylimidazolium based ionic liquids on the structure of UV-irradiated cellulose. *Cellulose*. (2011), Vol.18, Nr.6, pag. 1469–79. WOS: 000298994200009 (Q1 journal-first in the domain of Materials Science, Paper & Wood)
<https://link.springer.com/article/10.1007/s10570-011-9586-z>
4. Croitoru C, Patachia S, Lunguleasa A. New method of wood impregnation with inorganic compounds using ethyl methylimidazolium chloride as carrier. *Journal of Wood Chemistry and Technology* (2015), Vol. 35, Nr.2, pag. 35: 113-128. WOS: 000345585100003 (Q1 journal in the domain of Materials Science, Paper & Wood)
<https://www.tandfonline.com/doi/abs/10.1080/02773813.2014.892991>
5. Croitoru C, Spirchez C, Cristea D, Lunguleasa A, Pop MA, Bedo T, Roata IC, Luca MA. Calcium carbonate and wood reinforced hybrid PVC composites. *Journal of Applied Polymer Science* (2018), Vol.135, Nr.22, Nr. articol. 46317. WOS: 000426508700017 (Q2 journal in the domain of Polymer Science)
<https://onlinelibrary.wiley.com/doi/abs/10.1002/app.46317>
6. Croitoru C, Pop MA, Bedo T, Cosnita M, Roata IC, Hulka I. Physically crosslinked poly (vinyl alcohol)/kappa-carrageenan hydrogels: Structure and applications. *Polymers (Basel)* (2020), Vol. 12, Nr. 3. WOS: 000525952000059 (Q1 journal in the domain of Polymer Science)
<https://www.mdpi.com/2073-4360/12/3/560>
7. Croitoru C, Roata IC, Pascu A, Stanciu EM, Hulka I, Stoian G, Lupu N. Photocatalytic surfaces obtained through one-step thermal spraying of titanium. *Applied Surface Science* (2020), 504, 144173. WOS: 000502040600179 (Q1 journal-first in the domain of Materials Science, Coatings & Films)
<https://www.sciencedirect.com/science/article/abs/pii/S0169433219329897>
8. Croitoru C, Roata IC, Pascu A, Stanciu EM. Diffusion and controlled release in physically crosslinked poly (vinyl alcohol)/iota-carrageenan hydrogel blends. *Polymers (Basel)* (2020), Vol. 12, Nr. 7, 1544. WOS: 000558033000001 (Q1 journal in the domain of Polymer Science)
<https://www.mdpi.com/2073-4360/12/7/1544>
9. Croitoru C, Roata IC. Ionic liquids as antifungal agents for wood preservation. *Molecules*, Vol. 25, Nr. 18, 4289. WOS: 000580097000001 (Q2 journal în the domain of Biochemistry & Molecular Biology)
<https://www.mdpi.com/1420-3049/25/18/4289>

10. Croitoru C, Varodi AM, Timar MC, Roata IC, Stanciu EM, Pascu A. Wood-plastic composites based on HDPE and ionic liquid additives. *Journal of Materials Science* (2018), Vol. 53, Nr. 6, pag. 4132–43. WOS: 000418294200017 (Q2 journal in the domain of Materials Science, Multidisciplinary).

<https://link.springer.com/article/10.1007/s10853-017-1826-7>

PHD THESIS

Title: *Molecular imprinting studies of vinyl polymers*

Domain: Materials Engineering

Ph.D. Coordinator: Prof. Dr. Chem. Silvia Pațachia

Public defence of the thesis on 20.11.2009, at Transilvania University of Brașov, Materials Science and Engineering Faculty.

PATENTS

1. C. Croitoru, S. Patachia, A. Lunguleasa. RO126930 B1. *Compoziție de impregnare a lemnului pe bază de polimeri naturali, procedeu de obținere și metodă de aplicare*. <http://pub.osim.ro/publication-server/pdf-document?PN=RO126930%20RO%20126930&iDocId=1903&iepatch=.pdf>

2. S. Patachia, C. Croitoru, A. Lunguleasa. RO126929 B1. *Compoziție de impregnare a lemnului pe bază de polimeri naturali, procedeu de obținere și metodă de aplicare*. <http://pub.osim.ro/publication-server/pdf-document?PN=RO126929%20RO%20126929&iDocId=8898&iepatch=.pdf>

BOOKS / BOOK CHAPTERS

1. C. Croitoru, Silvia Patachia. *Materiale impregnate molecular: prezent și perspective*. Editura Lux Libris, 2014, Brașov, România, ISBN: 978-973-131-276-7.

2. S. Pațachia; C. Croitoru. *Biopolymers for wood preservation*. In: *Biopolymers and Biotech Admixtures for Eco-Efficient Construction Materials*, Editors: F.Pacheco-Torgal, V. Ivanov, N. Karak, H. Jonkers, 2016, Woodhead Publishing, Elsevier, Pag. 305–332.

<https://www.sciencedirect.com/science/article/pii/B9780081002148000142>

3. C. Croitoru; A. Pascu. *Știința și Ingineria Materialelor- Note de Curs*; Editura Universității Transilvania din Brașov, 2016, ISBN: 978-606-19-0777-9.

4. C. Croitoru. *Lucrări practice de știința și tehnologia materialelor polimerice și compozite*. Editura Lux Libris, 2015, Brașov, România, ISBN: 978-973-131-335-1

5. C. Croitoru; I.C. Roată. *Tehnologii avansate de procesare a materialelor celulozice*. Editura: Lux Libris, Brașov, 2017, ISBN: 978-973-131-396-2

JOURNAL ARTICLES

1. Croitoru C, Patachia S, Doroftei F, Păparita E, Vasile C. Ionic liquids influence on the surface properties of electron beam irradiated wood. *Applied Surface Science* (2014), Vol. 314, pag. 956–966. Autori: 5 (autor principal) WOS: 000341464100130

<https://www.sciencedirect.com/science/article/abs/pii/S0169433214014470>

2. Patachia S, **Croitoru C**, Friedrich C. Effect of UV exposure on the surface chemistry of wood veneers treated with ionic liquids. *Applied Surface Science* (2012) Vol. 258, Nr. 18, pag. 6723–6729. Autori: 3 (autor principal-corespondent) WOS: 000304004100002

<https://www.sciencedirect.com/science/article/abs/pii/S0169433211019416>

3. Traistaru A-AT, Timar MC, Campean M, **Croitoru C**, Sandu I. Paraloid B72 versus paraloid B72 with Nano-ZnO additive as consolidants for wooden artefacts. *Materiale Plastice* (2012) Vol. 49, Nr.4, pag. 293-300. Autori: 5 WOS: 000313149100014

<https://revmaterialeplastice.ro/pdf/TUDUCE%20A.pdf%204%2012.pdf>

4. **Croitoru C**, Patachia S, Porzsolt A, Friedrich C. Effect of alkylimidazolium based ionic liquids on the structure of UV-irradiated cellulose. *Cellulose*. (2011), Vol.18, Nr.6, pag. 1469–79. Autori: 4 (autor principal) WOS: 000298994200009

<https://link.springer.com/article/10.1007/s10570-011-9586-z>

5. **Croitoru C**, Patachia S, Cretu N, Boer A, Friedrich C. Influence of ionic liquids on the surface properties of poplar veneers. *Applied Surface Science* (2011), Vol.257, Nr.14, pag. 6220-25. Autori: 5 (autor principal) WOS: 000288646900050

<https://www.sciencedirect.com/science/article/abs/pii/S0169433211002327>

6. Patachia S, **Croitoru C**. Imprinted poly (vinyl alcohol) as a promising tool for xanthine derivatives separation. *Journal of Applied Polymer Science* (2011), Vol. 122, Nr. 3, pag. 2081–9. Autori: 2 (autor principal-corespondent) WOS: 000293849200072

<https://onlinelibrary.wiley.com/doi/abs/10.1002/app.34305>

7. Patachia S, Friedrich C, Florea C, **Croitoru C**. Study of the PVA hydrogel behaviour in 1-butyl-3-methylimidazolium tetrafluoroborate ionic liquid. *Express Polymer Letters* (2011), Vol.5, Nr.2, pag. 197–207. Autori: 4 WOS: 000285847000009

https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwjOsefGooPvAhXJIYsKHbtzAgAQFjABegQIARAD&url=http%3A%2F%2Fwww.expresspolymlett.com%2Fletolt.php%3Ffile%3DEPL-0001945%26mi%3Dc&usg=AOvVaw2kydbilvwxw5W__KmU8mtk

8. Patachia S, **Croitoru C**. Increasing the adsorption capacity and selectivity of poly(vinyl alcohol) hydrogels by an alternative imprinting technique. *Journal of Applied Polymer Science* (2015), Vol. 132, Nr. 23, pag. 42024-42033. Autori: 2 (autor principal-corespondent) WOS: 000351392700008

<https://onlinelibrary.wiley.com/doi/abs/10.1002/app.42024>

9. **Croitoru C**, Patachia S, Lunguleasa A. A mild method of wood impregnation with biopolymers and resins using 1-ethyl-3-methylimidazolium chloride as carrier. *Chemical Engineering Research and Design* (2015), Vol. 93, pag. 257–268. Autori: 3 (autor principal) WOS: 000348878600024

<https://www.sciencedirect.com/science/article/abs/pii/S026387621400207X>

10. **Croitoru C**, Patachia S, Papancea A, Baltas L, Tiorean M. Glass fibres reinforced polyester composites degradation monitoring by surface analysis. *Applied Surface Science* (2015), Vol. 358B, pag. 518-524. Autori: 5 (autor principal) WOS: 000366220500003

<https://www.sciencedirect.com/science/article/abs/pii/S0169433215014051>

11. **Croitoru C**, Patachia S, Papancea A, Baltas L, Tiorean M. Glass fibres reinforced polyester composites degradation monitoring by surface analysis. *Applied Surface Science* (2015), Vol. 358B, pag. 518-524. Autori: 5 (autor principal) WOS: 000366220500003

<https://www.sciencedirect.com/science/article/abs/pii/S0169433215014051>

12. Stanciu EM, Pascu A, Tiorean MH, Voiculescu I, Roată IC, **Croitoru C**, Hulka I. Dual Coating Laser Cladding of NiCrBSi and Inconel 718. *Materials and Manufacturing Processes* (2016), Vol. 31, Nr. 12, pag. 1556-1564. Autori: 7 WOS: 000381388400003

<https://www.tandfonline.com/doi/abs/10.1080/10426914.2015.1103866>

13. Pascu A, Stanciu EM, Savastru D, Geanta V, **Croitoru C**. Optical and microstructure characterisation of ceramic – Hydroxyapatite coating fabricated by laser cladding. *J Optoelectron Adv Mater* (2017), Vol.19, Nr.1–2, pag. 66–72. Autori: 5 WOS: 000400880700010

<https://joam.inoe.ro/articles/optical-and-microstructure-characterisation-of-ceramic-hydroxyapatite-coating-fabricated-by-laser-cladding/>

14. **Croitoru C**, Spirchez C, Lunguleasa A, Cristea D, Roata IC, Pop MA, Bedo T, Stanciu EM, Pascu A. Surface properties of thermally treated composite wood panels. *Applied Surface Science* (2018), Vol. 438, pag.114–26. Autori: 9 (autor principal) WOS: 000425731200013

<https://www.sciencedirect.com/science/article/abs/pii/S0169433217325692>

15. **Croitoru C**, Spirchez C, Lunguleasa A, Cristea D, Roata IC, Pop MA, Bedo T, Stanciu EM, Pascu A. Surface properties of thermally treated composite wood panels. *Applied Surface Science* (2018), Vol. 438, pag.114–26. Autori: 9 (autor principal) WOS: 000425731200013

<https://www.sciencedirect.com/science/article/abs/pii/S0169433217325692>

16. Ghiuță I, Cristea D, **Croitoru C**, Kost J, Wenkert R, Vyrides I, Anayiotos A, Munteanu D. Characterization and antimicrobial activity of silver nanoparticles, biosynthesized using *Bacillus* species. *Applied Surface Science* (2018), Vol. 438, pag. 66–73. Autori: 8 WOS: 000425731200005

<https://www.sciencedirect.com/science/article/abs/pii/S0169433217328118>

17. Stanciu EM, Pascu A, Roată IC, **Croitoru C**, Tierean M, Rosca JM, Hulka I. Solar radiation synthesis of functional carbonaceous materials using Al₂O₃/TiO₂-Cu-HA doped catalyst. *Applied Surface Science* (2018), Vol. 438, pag. 33–40. Autori: 7 WOS: 000425731200005

<https://www.sciencedirect.com/science/article/abs/pii/S0169433217330386>

18. Oláh A, **Croitoru C**, Tierean MH. Surface properties tuning of welding electrode-deposited hardfacings by laser heat treatment. *Applied Surface Science* (2018), Vol. 438, pag. 41–50. Autori: 3 WOS: 000425731200006

<https://www.sciencedirect.com/science/article/abs/pii/S0169433217330362>

19. C. Croitoru. A durability assessment and structural characterization of biopolymer-impregnated wood. *Drewno* (2018), Vol. 61, Nr. 202, pag. 129–143. Autori: 1 (autor principal) WOS: 000454435100009

<http://drewno-wood.pl/pobierz-317>

20. **Croitoru C**, Spirchez C, Cristea D, Lunguleasa A, Pop MA, Bedo T, Roata IC, Luca MA. Calcium carbonate and wood reinforced hybrid PVC composites. *Journal of Applied Polymer Science* (2018), Vol.135, Nr.22, Nr. articol. 46317. Autori: 8 (autor principal) WOS: 000426508700017

<https://onlinelibrary.wiley.com/doi/abs/10.1002/app.46317>

21. Roata IC, **Croitoru C**, Pascu A, Stanciu EM. Photocatalytic performance of copper-based coatings deposited by thermal spraying. *Journal of Materials Science: Materials in Electronics* (2018), Vol. 29, Nr. 13, pag. 11345–57. Autori: 4 (autor principal-corespondent) WOS: 000435588600069

<https://link.springer.com/article/10.1007/s10854-018-9222-x>

22. Roata IC, **Croitoru C**, Pascu A, Stanciu EM. Characterization of physically crosslinked ionic liquid-lignocellulose hydrogels. *BioResources*. (2018), Vol. 13, Nr. 3, pag. 6110–6121. Autori: 4 (autor principal-corespondent) WOS: 000440506300095

<https://bioresources.cnr.ncsu.edu/resources/characterization-of-physically-crosslinked-ionic-liquid-lignocellulose-hydrogels/>

23. **Croitoru C**, Varodi AM, Timar MC, Roata IC, Stanciu EM, Pascu A. Wood-plastic composites based on HDPE and ionic liquid additives. *Journal of Materials Science* (2018), Vol. 53, Nr. 6, pag. 4132–43.

Autori: 6 (autor principal) WOS: 000418294200017

<https://link.springer.com/article/10.1007/s10853-017-1826-7>

24. Pascu A, Stanciu EM, **Croitoru C**, Roată IC, Tierean MH. Carbon Nanoparticle-Supported Pd Obtained by Solar Physical Vapor Deposition. *Adv Mater Sci Eng* (2018), Vol. 2018, Nr. articol 4730192 .
Autori: 5 (autor principal-corespondent) WOS: 000426193300001
<https://www.hindawi.com/journals/amse/2018/4730192/>
25. Stanciu EM, Pascu A, Tierean MH, Roata IC, Voiculescu I, Hulka I, **Croitoru C**. Dissimilar laser welding of AISI 321 and AISI 1010. *Tehnicki Vjesnik-Technical Gazette*, (2018), Vol. 25, Nr. 2, pag. 344-349.
Autori: 7 WOS: 000430936800006
<https://hrcak.srce.hr/199129>
26. Roata IC, **Croitoru C**, Pascu A, Stanciu EM. Photocatalytic coatings via thermal spraying: A mini-review. *AIMS Mater Sci* (2019), Vol. 6, Nr.3. Autori: 4 (autor principal-corespondent) WOS: 000471016400003
<https://www.aimspress.com/article/doi/10.3934/matersci.2019.3.335?viewType=HTML>
27. Cristea D, Cunha L, Gabor C, Ghiuta I, **Croitoru C**, Marin A, Velicu L, Besleaga A, Vasile B. Tantalum oxynitride thin films: Assessment of the photocatalytic efficiency and antimicrobial capacity. *Nanomaterials* (2019), Vol. 9, Nr. 3. Autori: 9 (autor principal-corespondent) WOS:000464450100003
<https://www.mdpi.com/2079-4991/9/3/476>
28. Pop MA, **Croitoru C**, Bedo T, Geaman V, Radomir I, Cosnita M, Zaharia SM, Chicos LA, Milosan I. Structural changes during 3D printing of bioderived and synthetic thermoplastic materials. *Journal of Applied Polymer Science* (2019), Vol.136, Nr. 17, Nr. articol 47382. Autori: 9 (autor principal-corespondent) WOS: 000456861100001
<https://onlinelibrary.wiley.com/doi/abs/10.1002/app.47382>
29. Lunguleasa A, Ayrimis N, Spirchez C, **Croitoru C**. Increasing the calorific properties of sawdust waste from pellets by torrefaction. *BioResources* (2019), Vol. 14, Nr.4. Autori: 4 WOS:000493997400017
https://ojs.cnr.ncsu.edu/index.php/BioRes/article/view/BioRes_14_4_7821_Lunguleasa_Calorific_Properties_Sawdust_Waste
30. Feldiorean D, Cristea D, Tierean M, **Croitoru C**, Gabor C, Jakab-Farkas L, Cunha L, Barradas NP, Alves E, Craciun V, Marin A, Moura C, Leme J, Socol M, Craciun D, Cosnita M, Munteanu D. Deposition temperature influence on the wear behaviour of carbon-based coatings deposited on hardened steel. *Applied Surface Science* (2019), Vol. 475, pag. 762-773. Autori: 17 WOS: 000458482100090
<https://www.sciencedirect.com/science/article/abs/pii/S016943321930042X>
31. Luca MA, Tierean MH, Machedon Pisu T, Rodriguez J, **Croitoru C**. The influence of concentrated solar energy flux on the structure and properties of stainless steel brazed joints. *Journal of Thermal Analysis and Calorimetry* (2020), Vol.141, Nr. 4, pag. 1291-1304. Autori: 5 WOS: 000500853500007
<https://link.springer.com/article/10.1007/s10973-019-09113-8>
32. Pascu A, Stanciu EM, **Croitoru C**, Roată IC, Rosca JM, Nicanor C, Tierean MH, Bogatu C. Pulsed laser cladding of NiCrBSiFeC hardcoatings using single-walled carbon nanotube additives. *Journal of Nanomaterials* (2019), Vol. 2019, ID articol: 2401295. Autori: 8 WOS: 000487080800001
<https://www.hindawi.com/journals/jnm/2019/2401295/>
33. **Croitoru C**, Roata IC. Ionic liquids as antifungal agents for wood preservation. *Molecules*, Vol. 25, Nr. 18, 4289. Autori: 2 (autor principal) WOS: 000580097000001
<https://www.mdpi.com/1420-3049/25/18/4289>
34. **Croitoru C**, Roata IC, Pascu A, Stanciu EM. Diffusion and controlled release in physically crosslinked poly (vinyl alcohol)/iota-carrageenan hydrogel blends. *Polymers (Basel)* (2020), Vol. 12, Nr. 7, 1544.
Autori: 4 (autor principal) WOS: 000558033000001
<https://www.mdpi.com/2073-4360/12/7/1544>
35. **Croitoru C**, Roata IC, Pascu A, Stanciu EM, Hulka I, Stoian G, Lupu N. Photocatalytic surfaces obtained through one-step thermal spraying of titanium. *Applied Surface Science* (2020), 504, 144173.

Autori: 7 (autor principal) WOS: 000502040600179

<https://www.sciencedirect.com/science/article/abs/pii/S0169433219329897>

36. Pop MA, Croitoru C, Bedo T, Geamăn V, Radomir I, Zaharia SM, Chicos L. Influence of internal innovative architecture on the mechanical properties of 3D polymer printed parts. *Polymers (Basel)*, (2020), Vol. 12, Nr. 5.

Autori: 7 (autor principal-corespondent) WOS: 000541431100134

<https://www.mdpi.com/2073-4360/12/5/1129>

37. Roata IC, Croitoru C, Pascu A, Stanciu EM, Hulka I, Petre I, Gabor C, Patroi D, Sbarcea BG. Surface engineering of Ni-Al coatings through concentrated solar heat treatment. *Applied Surface Science* (2020), Vol. 506, 144185. Autori: 9 WOS: 000512983600137

<https://www.sciencedirect.com/science/article/abs/pii/S0169433219330016>

38. Croitoru C, Pop MA, Bedo T, Cosnita M, Roata IC, Hulka I. Physically crosslinked poly (vinyl alcohol)/kappa-carrageenan hydrogels: Structure and applications. *Polymers (Basel)* (2020), Vol. 12, Nr. 3.

Autori: 6 (autor principal) WOS: 000525952000059

<https://www.mdpi.com/2073-4360/12/3/560>

PAPERS IN INTERNATIONAL CONFERENCES

1. Patachia S, Croitoru C. Computational study of beta-cyclodextrin-water system. revista: MACMESE 2008: Proceedings of the 10th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering, Pts I and II, 2008, pag. 477-480. ISSN:17902769. Autori:2 WOS: 000262436800101

2. Croitoru C, Patachia S, Friedrich C. Computational study of 1-Butyl-3-Methylimidazolium Tetrafluoroborate ionic liquid-water system. revista: MACMESE 2008: Proceedings of the 10th WSEAS International Conference on Mathematical and Computational Methods in Science and Engineering, Pts I and II, 2008, pag. 469-472. ISSN:17902769. Autori:3 WOS: 000262436800099

3. Patachia S, Croitoru C, Florea C, Dumitrescu L, Scarneciu I. Ammonia sensor based on poly (vinyl alcohol) cryogel. revista: Proceedings of the 19th international DAAM symposium: intelligent manufacturing & automation: focus on next generation of intelligent systems and solutions, 2008, pag. 1039-1040. Autori: 5 WOS: 000262860100519

4. Patachia S, Croitoru C, Scarneciu I. Ecological method for separation of inulin from phytoextracts using molecularly imprinted poly (vinyl alcohol) films. revista: Proceedings of the 19th international DAAM symposium: intelligent manufacturing & automation: focus on next generation of intelligent systems and solutions, 2008, pag. 1037-1038. Autori: 3 WOS: 000262860100518.

5. Spirchez C, Lunguleasa A, Croitoru C. The importance of the wood biomass in environment protection. AIP Conference Proceedings, 2008, Vol. 1918, Nr. 1, Nr. art. 020007. Autori: 3 WOS: 000426289700007.

6. Croitoru C, Roata IC, Pascu A, Stanciu E. Ionic Liquid Surface Treatment of Calcite for Improved Compatibility with Polyolefin Matrix. revista: IOP Conference Series-Materials Science and Engineering, 2017, Vol. 209, Nr. art. 012052. Autori: 4 WOS: 000423732100052.

7. Croitoru C, Pascu A, Roata IC, Stanciu EM. Obtaining and Characterization of Polyolefin-Filled Calcium Carbonate Composites Modified with Stearic Acid. IOP Conference Series-Materials Science and Engineering, 2017, Vol. 209, Nr. art. 012041. Autori: 4 WOS: 000423732100041.

8. Pascu A, Stanciu EM, Croitoru C, Roata IC, Tierean MH. Pulsed Laser Cladding of Ni Based Powder. IOP Conference Series-Materials Science and Engineering, 2017, Vol. 209, Nr. art. 012058. Autori: 5 WOS:000423732100058.

9. Roata IC, Pascu A, Croitoru C, Stanciu EM, Pop MA. Thermal Spraying of CuAlFe Powder on Cu5Sn Alloy. IOP Conference Series-Materials Science and Engineering, 2017, Vol. 209, Nr. art. 012042. Autori: 5 WOS: 000423732100042.

10. Olah A, Croitoru C, Roata IC, Andreescu AB. Ignition behavior of insulative materials: A safety vision. Materials Today: Proceedings, 2019, Vol. 19, pag. 1003-1007. Autori: 3 WOS: 000496428200014.

OTHER PAPERS / RELEVANT ACHIEVEMENTS

-

04.03.2021

Conf.Dr.Chim. Cătălin Croitoru