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Habilitation thesis title: Researches on the effects of innovative heat treatments on the quality of metal alloys used in industry

Domain: Industrial Engineering

PUBLICATIONS LIST

RELEVANT PAPERS

1. Cazacu M., Zara A, **Stoicănescu M.**, Giacomelli I. - Wear resistance of heat treatable steels, surface hardened with concentrated energy sources, Journal Of Optoelectronics And Advanced Materials, Vol. 15, No. 9 - 10, September – October 2013, p. 1125 – 1130, WOS:000326414700033;
2. **Stoicanescu M.** - Studies concerning the possibility of hardening through thermic isothermal treatment of the casting alloys of aluminum, Jurnal Recent, Vol. 15, nr. 3(43)/2014, ISSN 2065-4529, pag. 215-219, 2014;
3. Smeadă M., **Stoicănescu M.**, Radomir I., Geamăń L. - Artificial ageing of aluminum alloys. Statistical studies of results, Procedia - Social and behavioral sciences 00 (2011) 000–000, BEM 2012, WOS:000319841600143;
4. Pitulice C., Giacomelli I., **Stoicanescu M.** - The influence of heat and surface treatment on the wear resistance of titanium alloys, International Conference of scientific paper, AFASES 2014, Brasov;
5. **Stoicanescu M.**, Pitulice C., Giacomelli I.- Studies on structural changes in titanium alloys by heat treatment, Journal of optoelectronics and advanced materials, Vol. 17, no. 9-10, 2015, 1410 – 1416, WOS:000364600400029;
6. **Stoicanescu M.** , Buzamet E., Budei D. V., Craciun V., Budei R., Cosnita M., Crisan A. - Possible causes in breaking of dental implants research, Materials science forum, ISSN: 1662-9752, Vol. 907, 104-118;
7. Zara A., **Stoicănescu M.**, Giacomelli I., Cazacu M.- The using of laser radiation at surface hardening of improvement steels, Journal of optoelectronics and advanced materials, Vol. 15, no. 9 - 10, 2013, 1084 – 1089, WOS:000326414700026;

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2. Stoicanescu M., Giacomelli I., Zaharia M.- The Physics of Metals, Ed. Lambert Academic Publishing, 2017, ISBN 978-620-2-09538-9, (276pag);
3. Stoicanescu M.- Heat treatments. Applications, Ed. Lambert Academic Publishing, 2016, ISBN 978-3-659-96514-2 (138pag);
4. Stoicanescu M. - Heat treatments applied to metallic materials, Ed. Lambert Academic Publishing, 2015, ISBN 978-3-659-79927-3, (270pag);

5. Smeadă M., Dinescu I., Stoicănescu M.- Materiale metalice si nemetalice utilizate în tehnica militară, Ed. Academiei Forțelor Aeriene „Henri Coanda” Brasov, 2012, ISBN 978-606-8356-06-8 (185pag);
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2. Craciun D., Socol G., Cristea D.V., Stoicanescu M., Olah N., Balazs K., Stefan N., Lambers E., Craciun V.- Mechanical properties of pulsed laser deposited nanocrystalline SiC films, Applied Surface Science Volume 336, 1 May 2015, Pages 391-395, ISSN: 0169-4332, Journal impact 3.38, WOS:000351617600066
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5. Cazacu M., Zara A., Stoicănescu M., Giacomelli I. - Wear resistance of heat treatable steels, surface hardened with concentrated energy sources, Journal of Optoelectronics and Advanced Materials, Volume: 15 Issue: 9-10 Pages: 1125-1130 Published: SEP-OCT 2013 ISSN: 1454-4164, FI 2013= 0,563, Accession Number: WOS:000326414700033
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2. Grant FP7-INFRA-312643 cod P1602050206, Research on using solar energy to heat treatment of steels surface, Financier: European Union, CIEMAT-PSA, Almeria, Spain, 12363.1 Euro ,
3. Contract with third parties - Research on the determination of the causes of the emergence of structural inhomogeneities in order to diminish / eliminate them in the products of the bar type ATSi7Mg0.3, 45.087 RON;

4. Contract with third parties Studies and research on improving the quality of SC ALRO Slatina SA products and training of operating personnel, 97105 RON

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