

UNIVERSITATEA TEHNICĂ "GHEORGHE ASACHI" DIN IAȘI
FACULTATEA DE ȘTIINȚA ȘI INGINERIA MATERIALELOR
DEPARTAMENTUL DE TEHNOLOGII ȘI ECHIPAMENTE PENTRU PROCESAREA MATERIALELOR
Ramura de știință: Inginerie mecanică, mecatronică, inginerie industrială și management

LISTA DE LUCRĂRI

pentru postul de **Profesor**

Cadru didactic: VIZUREANU PETRICĂ

Structura activității
A1. Activitatea didactică și profesională
A1.1 Cărți și capitole în cărți de specialitate
A1.1.1 Cărți/capitole ca autor
A1.1.1.1 Internaționale
<p>1. Vizureanu, P., Păun, V., Poll, E., Timofte, A., Agop, M., Chapter IV: Gauge Gravitational Field in a Fractal Space-Time editat în The Fractal and its Implications in the Materials Science, editori: Agop, M., Ioannou, P.D., Nica, P.E., Păun, V., Athens University Press, 2008, Grecia, 32 pg. (26 rânduri/pg.) ISBN 978-960-92410-1-4. 32/5x5=1,28</p> <p>2. Vizureanu, P., Experimental Programming in Materials Science, Mirea Publishing House, Moscow, 2006, 116 pg. (29 rânduri/pg.) ISBN 5-7339-0601-4. 116/5=23,20</p> <p>3. Agop, M., Ioannou, P., Vizureanu, P., Self-structuring Phenomena in Nature, Athens University Press, 2006, Grecia, 312 pg. (27 rânduri/pg.) ISBN 960-631-078-7. 312/5x3=20,80</p> <p>4. Agop, M., Vizureanu, P., Chapter 19: On the plasma-superconducting tube interaction: a theoretical approach, editat în Particles and Fields, editori: M. Agop și P.D. Ioannou, Athens University Press, 2005, Grecia, 6pg. (42 rânduri/pg.) ISBN 960-92410-0-X. 6/5x2=0,60</p> <p>5. Agop, M., Vizureanu, P., Băcăiță, S., Bahrim, C., Chapter 21: On the plasma-superconducting tube interaction by means of the electrical double-layers, editat în Particles and Fields, editori: M. Agop și P.D. Ioannou, Athens University Press, 2005, Grecia, 10 pg. (42 rânduri/pg.) ISBN 960-92410-0-X. 10/5x4=0,50</p> <p>6. Vizureanu P., Agop M., On the Transport Phenomena in Composite Materials using the Fractal Space-Time Theory, published in Advances in Composite Materials for Medicine and Nanotechnology, ISBN 978-953-307-235-7, publishing date: April 2011, pages 477-494. (8,50). 18/5x2=1,80</p>
A1.1.1.2 Naționale
<p>1. Ștefan, M., Vizureanu, P., Bejinariu, C., Bădărău, Gh., Manole, V., Studiul proprietăților termice ale materialelor, Editura Tehnopress, Iași, 2008, 294 pg. (43 rânduri/pg.) ISBN 978-973-702-566-1. 294/10x5=5,88</p> <p>2. Ștefan, M., Vizureanu, P., Bejinariu, C., Manole, V., Baze de date și sisteme expert în selecția și proiectarea materialelor, vol. I, Editura Tehnopress, Iași, 2008, 298 pg. (43 rânduri/pg.) ISBN 978-973-702-514-2. 298/10x4=7,45</p> <p>3. Vizureanu, P., Ștefan, M., Baciu, C., Ioniță, I., Baze de date și sisteme expert în selecția și proiectarea materialelor, vol. II, Editura Tehnopress, Iași, 2008, 262 pg. (40 rânduri/pg.) ISBN 978-973-702-515-9. 262/10x4=6,55</p> <p>4. Ștefan, M., Bădărău, Gh., Ioniță, I., Vizureanu, P., Răileanu, T., Baciu, C., Manole, V., Mihai, D., Conducerea automată și informatizată în procesarea materialelor metalice, Editura Tehnopress, Iași, 2007, 372 pg. (43 rânduri/pg.) ISBN 978-973-702-438-1. 372/10x8=4,65</p> <p>5. Nicolae, A., Predescu, C., Nicolae, A., Vizureanu, P., Vasiliu, A., Minea, A., Operaționalizarea conceptului DD în siderurgie, Editura Printech, București, 2006, 376 pg. (40 rânduri/pg.) ISBN 978-973-718-562-4. 376/10x6=6,27</p> <p>6. Ștefan, M., Vizureanu, P., Mihai, D., Ioniță, I., Manole, V., Corăbieru, P., Dănilă, C.I., Tehnici de regresie și corelație în cercetarea experimentală, Editura Tehnopress, Iași, 2006, 210 pg. (43 rânduri/pg.) ISBN978-973-702-343-8. 210/10x7=3,00</p> <p>7. Ștefan, M., Vizureanu, P., Manole, V., Modelare, optimizare și simulare la încălzirea materialelor metalice, Editura Tehnopress, Iași, 2005, 184 pg. (43 rânduri/pg.) ISBN 973-702-280-7. 184/10x3=6,14</p> <p>8. Vizureanu, P., Dima, A., Tehnologia informației, Editura Performantica, Iași, 2003, 118 pg. (47 rânduri/pg.) ISBN 973-8075-85-8. 118/10x2=5,90</p> <p>9. Dima, A., Popescu, R., Vizureanu, P., Minea, A., Cuptoare și instalații de încălzire, vol. II, Editura Sedcom Libris, Iași, 1997, 184 pg. (29 rânduri/pg.) ISBN 973-9818-71-4. 184/10x4=4,60</p> <p>10. Vizureanu, P. – Sisteme termice inteligente, Editura PIM, 2013, 265 pagini, ISBN 978-606-13-1214-6. 265x10=26,50</p> <p>11. Agop, M., Vizureanu, P., Buzea, C., Marin, C., Pseudo-ADN-ul materialelor inteligente, Editura Ars Longa Iași, 2014, 252pg, ISBN 978-973-148-165-4. 252/10x4=6,30</p> <p>12. Minciună M.G., Vizureanu P., Materiale metalice avansate pentru aplicații medicale, editura PIM, Iași, 2016, 178pg., ISBN 978-606-13-3529-9. 178/10x2=8,90</p>

Structura activității	
	<p>13. Constantin Baciu, Petrică Vizureanu, Aniela Adim, Reduceți efortul! : lucrările simpozionului "Săptămâna Europeană pentru Securitate și Sănătate în Muncă", [cu] tema "Reduceți efortul!" : Vaslui 25-26 octombrie 2007, Iași : Pim, 2007, ISBN: 9789737167361 9737167368, 267 p. : fig., tab. ; 24 cm.</p> <p>14. Constantin Baciu, Petrică Vizureanu; Ioan Popescu, Start sigur! : lucrările simpozionului "Săptămâna Europeană pentru Securitate și Sănătate în Muncă", [cu] tema "Tinerii lucrători" : Piatra Neamț 23-25 octombrie 2006, Iași : Pim, 2006, ISBN: 9737163982 9789737163981, 230 p. : tab., graf., il., h., fig. ; 24 cm.</p>
A1.1.2 Cărți/capitole ca editor	
A1.1.2.1 Internaționale	
	<p>1. Vizureanu, P. – editor, Expert Systems, published by Intech, Vukovar, Croatia, 2010, 238 pages, on-line edition, ISBN 978-953-307-032-2, http://sciyo.com/books/show/title/expert-systems. 238/10=23,80</p> <p>2. Vizureanu, P. - editor, Expert Systems for Human, Materials and Automation, published by InTech, Rijeka, Croatia, 2011, 392 pages, on-line edition, ISBN 978-953-307-334-7, http://www.intechopen.com/books/show/title/expert-systems-for-human-materials-and-automation. 392/10=39,20</p> <p>3. Vizureanu, P. – editor, Advances in Expert Systems, published by Intech, Rijeka, Croatia, 2012, 120 pages, on-line edition, ISBN 978-953-51-0888-7, http://www.intechopen.com/books/advances-in-expert-systems. 120/10=12,00</p>
A1.1.2.2 Naționale	
A1.2 Material didactic/ Lucrări didactice	
A1.2.1 Manuale didactice/ Monografii	
	<p>1. Vizureanu, P., Echipamente și instalații de încălzire, Editura PIM, Iași, 2009, 316pg., ISBN 978-606-520-349-5. 316/20=15,80</p> <p>2. Vizureanu P., Materiale refractare, Editura PIM, Iași, 2007, 320pg., ISBN 978-973-716-581-7. 320/20=16,00</p> <p>3. Minciună M., Vizureanu P., Agregate și Instalații termice, Editura PIM., Iași, 2016, 120 pg, ISBN 978-606-13-3357-8. 120/20x2=30,00</p>
A1.2.2 Îndrumătoare de laborator/aplicații	
	<p>1. Vizureanu P., Echipamente și instalații de încălzire – îndrumar de proiectare, Editura PIM, Iași, 2009, 128pg. (43 rânduri/pg), ISBN 978-606-520-350-1. 128/25=5,12</p> <p>2. Vizureanu P., Materiale refractare – îndrumar de laborator, Editura PIM, Iași, 2009, 78pg. (43 rânduri/pg), ISBN 978-606-520-351-8. 78/25=3,12</p>
A1.3 Coordonare de programe de studii, organizare și coordonare programe de formare continuă și proiecte educaționale	
	<p>1. Director program de studii: Echipamente pentru Procese Industriale: 15,00</p>
A2. Activitatea de cercetare	
A2.1 Articole în reviste cotate ISI Thomson Reuters și în volume indexate ISI proceedings	
	<p>1. Bălțatu M.S., Vizureanu P., Mareci D., Burtan L.C., Chiruță C., Trincă L.C., Effect of Ta on the electrochemical behavior of new TiMoZrTa alloys in artificial physiological solution simulating in vitro inflammatory conditions, Materials and Corrosion-Werkstoffe und Korrosion, vol. 67 , nr. 12, 2016, pp. 1314-1320, FI = 1,26. (25+20xFI)/6=8,37</p> <p>2. Bălțatu M.S., Vizureanu P., Cimpoeșu R., Abdullah M.M.A.B., Sandu A.V., The Corrosion Behavior of TiMoZrTa Alloys Used for Medical Applications, Revista de Chimie, vol. 67, nr. 10, 2016, pp. 2100-2102, FI= 1,232. (25+20xFI)/5=9,93</p> <p>3. M.G. Minciună, P Vizureanu, D.C. Achitei, A.V. Sandu, The advanced characteriyation of new alloy by Co-Cr-Mo system, Journal of Optoelectronics and Advanced Materials, Vol. 18, No. 7-8, p. 717-722, 2016, F.I = 0,449. (25+20xFI)/4=8,50</p> <p>4. Jaya, H ; Omar, MF; Akil, HM ; Ahmad, ZA ; Zulkepli, NN ; Abdullah, MMA; Sandu, IG; Vizureanu, P, Effect of Surface Modification on Sawdust Reinforced High Density Polyethylene Composites Under a Wide Range of Strain Rates, MATERIALE PLASTICE, Volume: 53, Issue: 1, Pages: 85-90, Published: MAR 2016, FI = 0,778. (25+20xFI)/7=5,79</p> <p>5. Minciuna, MG, Vizureanu, P ; Mares, M; Nastasa, V ; Achitei, DC; Sandu, AV, Biocompatibility Study of CoCrMoSik Original Alloy Variants, REVISTA DE CHIMIE, Volume: 67, Issue: 2, Pages: 362-365, Published: FEB 2016, FI =1.232. (25+20xFI)/6=8,27</p> <p>6. Savin A., Steigmann R., Iftimie N., Novy F., Vizureanu P., Craus M.L., Fintova S., Nondestructive evaluation of the interface between ceramic coating and stainless steel by electromagnetic method, 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING, Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147, Article Number: UNSP 012030, DOI: 10.1088/1757-899X/147/1/012030 Published: 2016.</p>

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7. Tugui C.A., **Vizureanu P.**, Iftimie N., Steigmann R, Some aspects over the quality of thin films deposited on special steels used in hydraulic blades, 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING Book Series: IOP Conference Series-Materials Science and Engineering ,Volume: 147, Article Number: UNSP 012040, DOI: 10.1088/1757-899X/147/1/012040, Published: 2016. **20/4=5,00**
8. Achitei D.C., Minciuna M.G., **Vizureanu P.**, Sandu A.V., Cimpoesu R., Istrate B., Study on structure and properties of CuZn40Pb alloy, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133, Article Number: UNSP 012015, DOI: 10.1088/1757-899X/133/1/012015, Published: 2016.
9. Minciuna M.G., **Vizureanu P.**, Hanganu C., Achitei D.C., Popescu D.C., Focsaneanu S.C., The structural characterization of some biomaterials, type AISI 310, used in medicine, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133 Article Number: UNSP 012019, DOI: 10.1088/1757-899X/133/1/012019, Published: 2016. **20/6=3,33**
10. Perju M.C., Tugui C.A., Nejneru C., Axinte M., **Vizureanu P.**, ESD morphology deposition with WZr8 electrode on austenitic stainless steel support, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133, Article Number: UNSP 012025, DOI: 10.1088/1757-899X/133/1/012025, Published: 2016. **20/5=4,00**
11. Achitei D.C., Minciuna M.G., Abdullah M.M.A., Sandu A.V., Szota M., **Vizureanu P.**, Behavior of CuPb12Sn6 Alloys subjected to Heat Treatments, 2ND INTERNATIONAL CONFERENCE ON GREEN DESIGN AND MANUFACTURE 2016 (ICONGDM 2016), Book Series: MATEC Web of Conferences, Vol. 78, Article Number: UNSP 01082, DOI: 10.1051/mateconf/20167801082, Published: 2016. **20/6=3,33**
12. Minciuna, MG; **Vizureanu, P**; Achitei, DC ; Sandu, AV ;Berbecaru, A ; Sandu, IG, Structural characterization and properties analysis of CoCrMoSi Alloys, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 18, Issue: 1-2, Pages: 174-178, Published: JANFEB 2016, **F.I. = 0,449. (25+20xFI)/6=5,66**
13. Tugui, CA ; Nejneru, C ; Galusca, DG ; Perju, MC ; Axinte, M ; Cimpoesu, N; **Vizureanu, P**, The influence of the Al deposition by MOC-CVD method on stainless steel thermal conductivity depending on the substrate roughness, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 17, Issue: 11-12, Pages: 1855-1861, Published: NOV-DEC 2015, **FI = 0,449. (25+20xFI)/7=4,85**
14. Stirbu, I ; **Vizureanu, P** ; Cimpoesu, R ; Dascalu, G ; Gurlui, SO; Bernevig, M ; Benchea, M; Cimpoesu, N ; Postolachee, P, Advanced metallic materials response at laser excitation for medical applications, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 17, Issue: 7-8, Pages: 1179-1185, Published: JUL-AUG 2015, **FI =0,449 (25+20xFI)/9=3,78**
15. Achitei, DC ; **Vizureanu, P** ; Minciuna, MG ; Sandu, AV ; Buzaianu, A ; Dana, DI , Obtaining of New Flux Coated Electrodes used for Weldingbrazing Operations, MATERIALE PLASTICE, Volume: 52, Issue: 2, Pages: 165-167, Published: JUN 2015, **FI = 0,778. (25+20xFI)/6=6,76**
16. Minciuna, MG ; **Vizureanu, P**; Geanta, V ; Voiculescu, I ; Sandu, AV ; Achitei, DC; Vitalariu, AM, Effect of Si on the Microstructure and Mechanical Properties of Biomedical CoCrMo Alloy, REVISTA DE CHIMIE, Volume: 66, Issue: 6, Pages: 891-894, Published: JUN 2015, **FI = 1.232 (25+20xFI)/7=7,09**
17. Popescu D., **Vizureanu P.**, Minciuna, MG, Veliceasa, B. Alexa, O, Risk factors of titanium locking plate osteosynthesis, E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), 2015. **20/5=4,00**
18. Steigmann, R ; Iftimie, N; Sturm, R ; **Vizureanu, P**; Savin, Complementary methods for nondestructive testing of composite materials reinforced with carbon woven fibers, Edited by:Oanta, E; Comaneci, R; Carausu, C; Placzek, M; Cohal, V; Topala, P; Nedelcu, D, MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING (MODTECH2015), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 95, Article Number: 012091, DOI: 10.1088/1757- 899X/95/1/012091, Published: 2015. **20/5=4,00**
19. Stirbu, I ; **Vizureanu, P** ; Cimpoesu, N ; Cimpoesu, R; Benchea, M, Implant Material for Sports Injuries, Edited by:Stanescu, M; Paunescu, M, 4TH INTERNATIONAL CONGRESS OF PHYSICAL EDUCATION, SPORT AND KINETOTHERAPY (ICPEsk 2014), Pages: 169-174, Published: 2015. **20/5=4,00**
20. **Vizureanu, P**; Cimpoesu, N; Radu, V ; Agop, M, INVESTIGATIONS ON THERMAL CONDUCTIVITY OF CARBON NANOTUBES REINFORCED COMPOSITES, EXPERIMENTAL HEAT TRANSFER, Volume: 28, Issue: 1, Pages: 37-57, DOI: 10.1080/08916152.2013.803176, Published: 2015, **FI = 1,522. (25+20xFI)/4=13,86**
21. Minciuna, MG ; **Vizureanu, P**; Achitei, DC ; Ghiban, B ; Sandu, AV ; Mareci, D ; Balan, A, Electrochemical Behaviour of CoCrMo and CoCrMoSi5 alloys at Different Simulated Physiological Medium, REVISTA DE CHIMIE, Volume: 65, Issue: 10, Pages: 1138-1141, Published: OCT 2014, **FI = 1.232. (25+20xFI)/6=8,27**

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22. Perju, MC; **Vizureanu, P** , Chemical Compounds Analysis Developed on the Micro Alloying Area of Coating Layers Obtained by Impulse Discharge Method, REVISTA DE CHIMIE, Volume: 65, Issue: 6, Pages: 694-696, Published: JUN 2014, **FI = 1.232 (25+20xFI)/2=24,82**
23. Stirbu, I; **Vizureanu, P** ; Cimpoesu, R ; Lungu, M; Bernevig, M ; Popa, RF , Chemical procedures for Ti-alloy based metallic surface modification, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 8, Issue: 3-4, Pages: 242-246, Published: MAR-APR 2014, **FI = 0,449 (25+20xFI)/6=5,66**
24. Minciuna, MG; **Vizureanu, P**; Achitei, DC ; Ghiban, N; Sandu, AV; Forna, NC, Structural Characterization of Some CoCrMo Alloys with Medical Applications, REVISTA DE CHIMIE, Volume: 65, Issue: 3, Pages: 335-338, Published: MAR 2014, **FI = 1.232 (25+20xFI)/6=5,66**
25. Nejneru, C; **Vizureanu, P**; Sandu, AV ; Grecu, A;Cimpoesu, N ,Thermal Fatigue of Some Synthetic Hardening Environments with CMC, REVISTA DE CHIMIE, Volume: 65, Issue: 2, Pages: 194-198, Published: FEB 2014, **FI = 1.232 (25+20xFI)/5=9,93**
26. Achitei, DC, Abdullah, MMA, Sandu, AV, **Vizureanu, P** , On The Fatigue of Shape Memory Alloys, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Book Series: Key Engineering Materials, Volume: 594-595, Pages: 133-139, 2014 , **FI = 0.224 (25+20xFI)/4=7,37**
27. Tugui, CA ; Axinte, M; Nejneru, C; **Vizureanu, P** ; Perju, MC; Chicet, D, Active Screen Plasma Nitriding Efficiency and Ecology, Edited by:Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657,Pages: 369. **20/6=3,33**
28. Achitei, DC ; **Vizureanu, P** ; Minea, AA; Al Bakri Abdullah, MM ; Minciuna, MG ; Sandu, AV,Improvement of Properties of Aluminum Bronze CuAl7Mn3 by Heat Treatments, Edited by:Slatineanu, L; Merticaru, V; Nagit, G; Coteata, M; Axinte, E; Dusa, P; Ghenghea, L; Negoescu, F; Lupescu, O; Tita, I; Dodun, O; Musca, G, ENGINEERING SOLUTIONS AND TECHNOLOGIES IN MANUFACTURING, Book Series: Applied Mechanics and Materials, Volume: 657, 2014, Pages: 412. **20/6=3,33**
29. Achitei, DC; Sandu, AV; Abdullah, MMA **Vizureanu, P** ; Abdullah, A, On The Structure of Shape Memory Alloys, Edited by:Abdullah, MMA; Jamaludin, L; Abdullah, A; AbdRazak, R; Hussin, K, ADVANCED MATERIALS ENGINEERING AND TECHNOLOGY II, Book Series: Key Engineering Materials, Volume: 594-595, Pages: 140-145, DOI: 10.4028/www.scientific.net/KEM.594-595.140, Published: 2014, **FI = 0.224. (25+20xFI)/5=5,90**
30. Cimpoesu, N ; Stanciu, S ; **Vizureanu, P** ; Cimpoesu, R; Achitei, DC ; Ionita, I, OBTAINING SHAPE MEMORY ALLOY THIN LAYER USING PLD TECHNIQUE, JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY, Volume: 50, Issue: 1, Pages: 69-76, DOI: 10.2298/JMMB121206010C, Published: 2014, **FI = 0,804. (25+20xFI)/6=6,85**
31. Yahya, Z; Abdullah, MMA; Hussin, K; Ismail, KN; Sandu, AV; **Vizureanu, P**; Abd Razak, R, Chemical and Physical Characterization of Boiler Ash from Palm Oil Industry Waste for Geopolymer Composite, REVISTA DE CHIMIE Volume: 64 Issue: 12 Pages: 1408-1412 Published: DEC 2013, **FI= 1.232. (25+20xFI)/7=7,09**
32. Dana, D; Sandu, IG; **Vizureanu, P**; Sandu, I, Study on the Corrosion Resistance of Welded-Brazed Joints, REVISTA DE CHIMIE, Volume: 64, Issue: 12, Pages: 1465-1467, Published: DEC 2013, **FI= 1.232 (25+20xFI)/4=12,41**
33. Dana, D; Sandu, IG; **Vizureanu, P**; Sandu, I, Metal inert gas weldingbrazing technological development and experimental results, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 15, Issue: 9-10, Pages: 1153-1161, Published: SEP-OCT 2013, **FI= 0,449. (25+20xFI)/4=8,50**
34. Sandu, AV; Bejinariu, C; Nemtoi, G; Sandu, IG; **Vizureanu, P**; Ionita, I; Baci, C, New Anticorrosion Layers Obtained by Chemical Phosphatation, REVISTA DE CHIMIE, Volume: 64, Issue: 8, Pages: 825-827, Published: AUG 2013, , **FI= 1.232 (25+20xFI)/7=7,09**
35. Dana D.,**Vizureanu, P**; Cimpoesu, R; Achitei, D, Technological Development Perspectives and Experimental Results of MIG Welding Soldering, STRUCTURAL INTEGRITY OF WELDED STRUCTURES, Book Series: Advanced Materials Research, Volume: 814, Pages: 54-59, DOI: 10.4028/www.scientific.net/AMR.814.54, Published: 2013, Conference: 10th International Conference on Structural Integrity of Welded Structures (ISCS13), Location: Timisoara, ROMANIA, Date: JUL 11-12, 2013. **20/4=5,00**
36. Nejneru, C; Axinte, M; **Vizureanu, P**; Perju, MC; Hopulele, I, POLARISED SCREEN INFLUENCE ON PLASMA DISCHARGE STABILITY FOR PLASMA NITRIDING TECHNIQUE, METALURGIA INTERNATIONAL, Volume: 18, Pages: 117-120, Special Issue: 5, Published: 2013 **FI= 0,134 (25+20xFI)/5=5,54**
37. Perju, MC; Nejneru, C; **Vizureanu, P**; Axinte, M, THE SURFACE MODIFICATION OF LOW ALLOY STEEL WITH Ni ELECTRODE BY ELECTROSPARK DEPOSITION METHOD, METALURGIA INTERNATIONAL, Volume: 18, Pages: 174-177, Special Issue: 5, Published: 2013 **FI= 0,134 (25+20xFI)/4=6,92**

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38. Achitei, DC; **Vizureanu, P**; Galusca, DG; Dana, D, RESEARCH ON C35 STEEL ALUMINISATION, METALURGIA INTERNATIONAL, Volume: 18, Pages: 27-32, Special Issue: 6, Published: 2013 **FI= 0,134 (25+20xFI)/4=6,92**
39. Nejneru, C; Grecu, A; **Vizureanu, P**; Axinte, M; Perju, MC, RESEARCHES ON THERMAL FATIGUE INFLUENCE CONCERNING QUENCHING COOLING CHARACTERISTICS FOR CARBOXIMETHYL CELLULOSE SOLUTION IN WATER, METALURGIA INTERNATIONAL, Volume: 18, Pages: 33-36, Special Issue: 6, Published: 2013. **FI= 0,134. (25+20xFI)/5=5,54**
40. **Vizureanu, P**; Achitei, DC; Perju, MC; Dana, D, EXPERT SYSTEM TECHNIQUES USED IN MATERIALS SCIENCE, METALURGIA INTERNATIONAL, Volume: 18, Pages: 83-87, Special Issue: 6, Published: 2013 **FI= 0,134 (25+20xFI)/4=6,92**
41. Minciuna, MG; **Vizureanu, P**, COBALT ALLOYS RESEARCH USED IN MEDICAL APPLICATIONS, METALURGIA INTERNATIONAL, Volume: 18, Pages: 123-126, Special Issue: 6, Published: 2013 **FI= 0,134 (25+20xFI)/2=13,84**
42. Dana, D; **Vizureanu, P**; Cimpoesu, R; Ratoi, M, MAIN TECHNOLOGICAL PARAMETERS OF WELD-BRAZING TECHNOLOGY, METALURGIA INTERNATIONAL, Volume: 18, Pages: 122-125, Special Issue: 1, Published: 2013 **FI= 0,134 (25+20xFI)/4=6,92**
43. Achitei, DC; **Vizureanu, P**; Dana, D; Cimpoesu, N, OBTAINING AND TERMOMECHANICAL FATIGUE BEHAVIOUR OF THE Cu75.9Zn16.8Al7.11 ALLOY, METALURGIA INTERNATIONAL, Volume: 18, Pages: 104-109, Special Issue: 2, Published: 2013 **FI= 0,134 (25+20xFI)/4=6,92**
44. Dana, D; **Vizureanu, P**; Cimpoesu, R, MIG BRAZING-WELDING PROCESS IN THE NARROW JOINT, METALURGIA INTERNATIONAL, Volume: 18, Issue: 1, Pages: 15-18, Published: 2013 **FI= 0,134. (25+20xFI)/3=9,23**
45. Stirbu, I ; **Vizureanu, P** ; Ratoi, M ; Cimpoesu, N, Electrochemical Deposition of Hydroxyapatite (RA) on Titanium Alloys for the Implant Surface Bio-functionalization, Book Group Author(s):IEEE, 2013 EHEALTH AND BIOENGINEERING CONFERENCE (EHB), Published: 2013. **20/4=5,00**
46. Stirbu I., **Vizureanu, P** ; Ratoi, M ; Cimpoesu, R, Obtaining Hydroxyapatite (HA) by Sol-Gel Method on Ti6Al4V Alloys Aiming the Implant's Surface Bio-Functionalization, Book Group Author(s):IEEE, 2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), Published: 2013. **20/4=5,00**
47. Rusu, S; **Vizureanu, P**; Rusu, I, EXPERIMENTAL DETERMINATION OF THE DOT PEEN MARKING IMPACT FORCE, METALURGIA INTERNATIONAL, Volume: 17, Issue: 12, Pages: 58-60, Published: 2012, **F.I.= 0,134 (25+20xFI)/3=9,23**
48. Rusu, S; **Vizureanu, P**; Rusu, I, THE MICROSCOPIC ANALYSIS OF DOT-PEEN MARKING ON Al, Ni AND Ti ALLOYS, METALURGIA INTERNATIONAL, Volume: 17, Issue: 12, Pages: 61-64, Published: 2012, **F.I.= 0,134. (25+20xFI)/3=9,23**
49. Dana, D; **Vizureanu, P**; Cimpoesu, R, BASIC BRAZE-WELDING OPERATION CHARACTERISTICS, METALURGIA INTERNATIONAL, Volume: 17, Issue: 6, Pages: 40-43, Published: 2012 **FI= 0,134. (25+20xFI)/3=9,23**
50. Achitei D.C., **Vizureanu P.**, Galusca D.G., Axinte M., THERMOMECHANICAL FATIGUE BEHAVIOUR OF SHAPE MEMORY ALLOY CU(75.4)ZN(18.6)AL(5.85), MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceeding Pages: 1-4, Published: 2012. **20/4=5,00**
51. Dana D., **Vizureanu P.**, Cimpoesu R., TECHNIQUES AND MATERIALS USED IN BRAZE-WELDING PROCESSES, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceedings, p: 329-332, Published: 2012. **20/3=6,67**
52. Grecu A., **Vizureanu P.**, Baban C.I., Nejneru C., Axinte M., THERMAL FATIGUE INFLUENCE ON CARBOXYMETHYLCELLULOSE SYNTHETIC QUENCHING ENVIRONMENTS, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceedings p: 421-424, Published: 2012. **20/5=4,00**
53. Nejneru C., Perju M.C., **Vizureanu P.**, Axinte M., COMPARATIVE STUDY ON THE SINGLE LAYER DEPOSITION OF Ti ON GRAY CAST IRON AND LOW ALLOY STEEL MATRIX USING ELECTROSPARK DEPOSITION METHOD, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceedings, p: 665-668, Published: 2012. **20/4=5,00**
54. Perju M.C., Nejneru C., **Vizureanu P.**, Stefanica R.G., XPS CHEMICAL ANALYSIS FOR THE MULTILAYER DEPOSITION WC/TiC/W ON GRAY CAST IRON USING ELECTRIC IMPULSE DISCHARGE METHOD, MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceedings, p: 737-740, Published: 2012. **20/4=5,00**
55. Dana D., **Vizureanu P.**, Rusu I., Buzaianu A., Rusu S., MODELLING OF THE STRESS(es) PROPAGATION FOR THE BRAZE-WELDING OF THIN STRUCTURES, MODTECH 2011: NEW FACE OF T.M.C.R., VOL I AND II, Book Series: International Conference ModTech Proceedings, p: 365-368. Published: 2011. **20/5=4,00**

Structura activității

56. Rusu S., **Vizureanu P.**, Galusca D.G., Rusu I., Buzaianu A., THE IN-DEPTH ANALYSIS OF DOT PEEN VS. LASER MARKING ON THE NIMONIC 75 ALLOY FOR AERONAUTICAL APPLICATIONS, MODTECH 2011: NEW FACE OF T.M.C.R., VOL I AND II, Book Series: International Conference ModTech Proceedings, p: 1045-1048, Published: 2011. **20/5=4,00**
57. Hanganu, SC; Armencia, AO; Grigoras, S., **Vizureanu, P.**, *Tribological Comparative Study on Two Composite Materials for Restorative Dental Applications in Smoking Affected Teeth*, Materiale Plastice, Volume: 47 Issue: 3 Pages: 375-378 Published: 2010, **F.I. 0,778. (25+20xFI)/4=10,14**
58. **P. Vizureanu**, C. Samoilă, D. Cotfas, S. Kaplanis, *The Achievement of an Algorithm for the Design of a Solar Furnace*, Metalurgia International, vol. 15, nr. 2, pg. 5-14, 2010, **F.I. 0,134 (25+20xFI)/4=6,92**
59. Nicanor, C; Ramona, CH; **Vizureanu, P.**, *Experimental And Theoretical Results Concerning Internal Friction Investigation Of A Shape Memory Alloy Based On Copper*, Metalurgia International Volume: 15 Issue: 12 Pages: 48-58 Published: 2010, **Factor de impact: 0,134. (25+20xFI)/3=9,23**
60. **Vizureanu, P.**; Perju, MC; Galusca, DG;., *Mass Transfer For Titan And Tungsten Electrode Coating Using Impulse Discharge Method*, Metalurgia International Volume: 15 Issue: 12 Pages: 59-64 Published: 2010, **Factor de impact: 0,134. (25+20xFI)/3=9,23**
61. Achitei, DC; **Vizureanu, P.**; Stanciu, S;., *Studies Concerning Thermal Conductivity For Some Copper Base Memory Shape Alloys*, Modtech 2010: New Face of Tmcr, Proceedings Pages: 15-18 Published: 2010, conferință indexată în baza de date ISI Thomson Scientific. **20/3=6,66**
62. **Vizureanu, P.**; Cornel, S; Cristian, AD; , *Interdisciplinary Researches Of The Potential Limits For The Solar Energy In Solids On Heating-Melting Range*, Modtech 2010: New Face of Tmcr, Proceedings Pages: 671-674 Published: 2010, conferință indexată în baza de date ISI Thomson Scientific. **20/3=6,66**
63. I. Nica, V. Rusu, M. A. Paun, C. Stefanescu, **P. Vizureanu**, A. Aluculesei, *Thermal Properties of Nanofilled and Microfilled Restorative Composites*, Revista MATERIALE PLASTICE ♦ 46 ♦ Nr. 4 ♦ 2009, pg. 431-434, **Factor de impact: 0,778 (25+20xFI)/6=6,76**
64. C. Gh. Buzea, C. Bejinariu, Constantin, B., **P. Vizureanu**, M. Agop, *Motion of free particles in fractal space-time*, Freund Publishing House Ltd. International Journal of Nonlinear Sciences & Numerical Simulation, vol.10, Nr. 3, Shanghai 200051, China, 2009, **Factor de impact: 0,89. (25+20xFI)/5=8,56**
65. A. Gaba, Ș. Iordache, M. Vlădescu, D. Ungureanu, **P. Vizureanu**, *Reducing of Pollutants Emissions and Heavy Liquid Fuels Consumption in Boilers by using of Additives*, Environmental Engineering and Management Journal, September/October 2009, Vol. 8, No.5, pg. 1241-1246, **Factor de impact: 1,096. (25+20xFI)/5=9,38**
66. P. Nica, **P. Vizureanu**, M. Agop, S. Gurlui, C. Focsa, N. Fornă, P.D. Ioannou, Z. Borsos, *Experimental and Theoretical Aspects of Aluminum Expanding Laser Plasma*, Japanese Journal of Applied Physics, 48 (2009), pages 066001-1 to 066001-7, doi: 10.1143/JJAP.48.066001, **Factor de impact: 1,384. (25+20xFI)/8=6,59**
67. C. Popa, **P. Vizureanu**, I. Casian Botez, C. M. Stoica, A. Nicuta, C. Nejnere, L. Bibire, A. Ghenadi, *Theoretical and Experimental Results on the Charge Transport in Plasma Structures Through Spontaneously Symmetry Breaking. New Transport Mechanisms in Composite Materials*, Revista Materiale Plastice, 46, Nr. 2, 2009, pg. 144-148, **F.I.0,778 (25+20xFI)/8=5,07**
68. **P. Vizureanu**, C. Samoilă, D. Cotfas, *Materials Processing using Solar Energy*, Environmental Engineering and Management Journal, March/April 2009, Vol.8, No.2, pg. 301-306, **Factor de impact: 1,096 (25+20xFI)/3=15,64**
69. Carabet, RG; **Vizureanu, P.**; Perju, MC., *Sustainable Development And Disperse Precipitation Technologies, On Nanometric Level, Using Alternant Cycles*, Management of Technological Changes, Vol 2 Pages: 33-35 Published: 2009, **conferință indexată în baza de date ISI Thomson Scientific. 20/3=6,66**
70. Perju, MC; **Vizureanu, P.**; Carabet, RG; *Management And Improvement Of Surfaces Properties Through Deposition At Nanometric Level Using Impulse Electric Discharges*, Management of Technological Changes, Vol 2 Pages: 701-704 Published: 2009, **conferință indexată în baza de date ISI Thomson Scientific. 20/3=6,66**
71. **Vizureanu P.**, *The analysis of the melting process of the materials in the solar furnaces*, Metalurgia International, vol. 14, nr. 5, pg. 5-9, 2009, **Factor de impact: 0,134 25+20xFI=27,68**
72. **P. Vizureanu**, *Expert System Designed for Heat Treatment Furnaces*, Metalurgia International, vol. 14, nr. 7, pg. 11-15, 2009, **Factor de impact: 0,134. 25+20xFI=27,68**
73. Achiței, D., Gălușcă, D.G., **Vizureanu, P.**, Carabet, R., Cimpoșu, N., *Aspects Regarding Thermo-Mechanical Fatigue of Shape Memory Alloys*, Metalurgia International, vol. 14, nr. 3, pg. 45-48, 2009, **Factor de impact: 0,134. (25+20xFI)/5=5,54**
74. **Vizureanu, P.**, *The Heating Process of the Materials in the Solar Furnaces*, Metalurgia International, vol. 14, nr. 2, pg. 51-54, 2009, **Factor de impact: 0,134. 25+20xFI=27,68**

Structura activității

75. C. Nejneru, N. Cimpoeșu, S. Stanciu, **P. Vizureanu**, A. V. Sandu, *Sea Water Corrosion of a Shape Memory Alloy Type Cu-Zn-Al*, Metalurgia International, vol. 14, nr. 7, pg. 95-98, 2009, **Factor de impact: 0,134**. $(25+20 \times \text{FI})/5=5,54$
76. Ioannou, P.D., Nica, P., Păun, V., **Vizureanu, P.**, Agop, M., *Waveparticle duality through an extended model of the scale relativity theory*, Physica Scripta, vol. 78, nr. 6, pg. 1-7, 2008, **Factor de impact: 1,28** $(25+20 \times \text{FI})/5=10,12$
77. Borsos, Z., Păun, V.P., Botez, I.C., Stoica, C.M., **Vizureanu, P.**, Agop, M., *Structural Conductivity of Carbon Nanotubes*, Revista de Chimie, vol. 59, nr. 10, pg. 1169-1171, 2008, **Factor de impact: 1.232** $(25+20 \times \text{FI})/6=8,27$
78. **Vizureanu, P.**, Samoilă, C., *The analysis of heating process in solar furnaces*, Metalurgia International, vol. 13, nr. 2, pg. 5-10, 2008, , **IF= 0,134** $(25+20 \times \text{FI})/2=13,84$
79. Agop, M., **Vizureanu, P.**, Ioannou, P.D., *On the heat transfer in nanostructures*, Metalurgia International, vol. 13, nr. 8, pg. 10-20, 2008, **F.I.=0,134** $(25+20 \times \text{FI})/3=9,23$
80. Agop, M., **Vizureanu, P.**, Ioannou, P.D., *A theoretical approach of the quantum thermal conductance of electrons*, Metalurgia International, vol.13, nr. 7, pg. 43-47, 2008, **IF= 0,134** $(25+20 \times \text{FI})/3=9,23$
81. **Vizureanu, P.**, Agop, M., Botez, I.C., Ioannou, P.D., Vasilica, M., *Dendritic morphogenesis through the fractal theory*, Metalurgia International, vol. 13, nr. 5, pg. 79-83, 2008, **IF= 0,134** $(25+20 \times \text{FI})/5=5,54$
82. Grimberg, R., Udpa, L., Savin, A., Steigmann, R., **Vizureanu, P.**, Brumă, A., Udpa, S.S., *Remote field eddy current control using rotating magnetic field transducer: Application to pressure tubes examination*, Research in Nondestructive Evaluation, vol. 19, nr. 4. pg. 202-218, 2008, **Factor de impact: 1,107**. $(25+20 \times \text{FI})/7=6,73$
83. Buzea, C.Gh., Agop, M., Gălușcă, D.G., **Vizureanu, P.**, Ioniță, I., *El Naschie's superconductivity in the time dependent Ginzburg-Landau model*, Chaos Solitons & Fractals, vol. 34, nr. 4, pg. 1060-1074, 2007, **Factor de impact: 1.455**. $(25+20 \times \text{FI})/5=10,82$
84. **Vizureanu, P.**, Agop, M., *A theoretical approach of the heat transfer in nanofluids*, Materials Transactions, vol. 48, nr. 11, pg. 3021-3023, 2007, **Factor de impact: 0.713**. $(25+20 \times \text{FI})/2=19,63$
85. Agop, M., **Vizureanu, P.**, Chicos, L., Vasilica, M., Abacioaie, D., Ioannou, P.D., *Hydrodynamic model of scale relativity for nanomaterials (IV). Fractal patterns in discharges plasmas*, Metalurgia International, vol. 12, nr. 5, pg. 5-14, 2007, , **F.I.= 0,134** $(25+20 \times \text{FI})/6=4,61$
86. Agop, M., **Vizureanu, P.**, Gavanas-Pahome, I., Ioannou, P.D., *Hydrodynamic model of scale relativity for nanomaterials (III). Transport in nanostructures by means of a fractal Korteweg – de Vries type equation*, Metalurgia International, vol. 12, nr. 4, pg. 26-35, 2007, , **F.I.= 0,134**. $(25+20 \times \text{FI})/4=6,92$
87. Agop, M., **Vizureanu, P.**, Nica, P., Mamut, E., Ioannou, P.D., *Hydrodynamic model of scale relativity for nanomaterials (II). The anomaly of the heat transfer in nanofluids by means of a differential negative thermal conductance*, Metalurgia International, vol. 12, nr. 3, pg. 24-29, 2007, , **F.I.= 0,134** $(25+20 \times \text{FI})/5=5,54$
88. Agop, M., **Vizureanu, P.**, Vasilica, M., Abacioaie, D., *Hydrodynamic model of scale relativity for nanomaterials (I)*, Metalurgia International, vol. 12, nr. 2, pg. 18-30, 2007, **IF= 0,134** $(25+20 \times \text{FI})/4=6,92$
89. **Vizureanu, P.**, Strul, M., *The analysis of a numerical method for radiation heating transfer in electric furnaces*, Metalurgia International, vol. 12, nr. 6, pg. 34-40, 2007, , **F.I.= 0,134** $(25+20 \times \text{FI})/2=13,84$
90. Agop, M., Ioannou, P.D., Nica, P., Radu, C., Alexandru, A., **Vizureanu, P.**, *Fractal characteristic of the solidification process*, Materials Transactions, vol. 45, nr. 3, pg. 972-975, 2004, **Factor de impact: 0.713**. $(25+20 \times \text{FI})/6=6,54$
91. Dima, A., Grancea, V., **Vizureanu, P.**, *Mathematic Modelling of Heat Processes in the Industrial Furnaces*, International Heat Treating Conference, 18-20 April 1994, Schaumburg, Illinois, U.S.A., Proceedings of International Heat Treating Conference, pg.499-501 **20/3=6,66**

A2.2 Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale

1. Achiței, D.C., **Vizureanu, P.**, Minciună, M.G., Mohd, M.A.B.A., Sandu, A.V., *The analysis of metallic materials subjected to cycles of thermal and mechanical fatigue*, Key Engineering Materials Volume 700, 2016, Pages 78-85 **10/5=2,00**
2. Ifimie, N., Steigmann, R., **Vizureanu, P.**, Faktorova, D., Savin, A., *Electromagnetic sensors for improvement of damage detection in composite materials reinforced with carbon woven fibers*, Key Engineering Materials Volume 660, 2015, Pages 317-322 **10/5=2,00**
3. Minciună, M.G., **Vizureanu, P.**, Achiței, D.C., Cimpoeșu R., *Corrosion behavior in saline medium for a Cu-Zn casting alloy*, Key Engineering Materials, ICIR 2015, Volume 660, 2015, Pages 68-74. **10/4=2,00**

Structura activității

4. Bălțatu M.S., **Vizureanu P.**, Țierean M.H., Minciună M.G., Achiței D.C., Ti-Mo Alloys used in medical applications, Advanced Materials Research, Vol. 1128, 2015, pp. 105-111. **20/5=4,00**
5. Bălțatu M.S., Cimpoeșu R., **Vizureanu P.**, Achitei D.C., Minciuna M.G., Microstructural characterization of TiMoZrTa alloy, The Annals of „Dunărea de Jos” University of Galați, Fascicle IX. Metallurgy and materials science, nr. 4, 2015, pp. 23-26. **20/5=4,00**
6. Bălțatu M.S., **Vizureanu P.**, Istrate B., Physical and structural characterization of Ti-based alloy, International Journal of Modern Manufacturing Technologies, Vol. VII, No. 2, 2015, pp.12-17. **10/3=3,33**
7. D.C. ACHITEI, A.V. SANDU, M.M.A. BAKRI ABDULLAH, **P. VIZUREANU**, H. KAMARUDIN, Study on Quenching and Artificial Ageing on Al-Si Alloy, MATERIALS SCIENCE FORUM, Vol. 803, 2015, pp 209-215. **10/5=2,00**
8. Mahmed, N., Al Bakri Abdullah, M.M., Sandu, A.V., **Vizureanu P.**, Hannula S. P., Synthesis of nanosized silica and silver-doped silica nanoparticles for heat transfer fluids applications, Key Engineering Materials, ICIR 2015, Volume 660, 2015, Pages 155-160. **10/5=2,00**
9. M.C. PERJU, **P. VIZUREANU**, A.V. SANDU, The surface modification of cast iron with wolframelectrode by pulsed electric discharge method, METALLURGY AND NEW MATERIALS RESEARCHES, Vol. XXI, No. 2/2013. **Punctaj: 20/3=6,67**
10. M.G. Minciună, **P. Vizureanu**, A.A. Minea, D.C. Achiței, Engineering biocompatible implant surface, Analele Universității Dunărea de Jos din Galați, Year XXXI, November 2013, Special Issue, p. 97- 99. **20/3=6,67**
11. M.G. Minciună, **P. Vizureanu**, D.C. Achiței, V. Goanță, Ș.Toma, S.N. Baltatu, Obtaining and tensile strength study for non-precious alloys based cobalt, Analele Universității Dunărea de Jos din Galați, Fascicle IX, N. 2, 2014, p.29-35 **20/6=3,34**
12. M.G. Minciună, **P. Vizureanu**, D.C. Achiței, N.Cimpoesu, Study of dimensional changes by dilatometric analysis for same CoCrMo alloys, The 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor Serbia, ISBN 978-86-6305-026-6, p. 433-436. **10/4=2,50**
13. D.C. Achiței, **P. Vizureanu**, M. G. Minciună, B Istrate, A. V. Sandu, Phases Analysis and Structural Characterization of CuAlMnFe Alloy, AFASES, ISSN, ISSN-L:2247-3173, 22 – 24 May, 2014, p. 13 – 18 **10/5=2,00**
14. D.C. Achiței, **P. Vizureanu**, D.I. Dană, M.G. Minciună, V. Grancea, Study of aluminium bronze, Mark CuAl9Mn2, Tehnomus, ISSN–1224–029X, No. 20-2013, p. 172 – 177 **10/5=2,00**
15. D.C. Achiței, **P. Vizureanu**, M. M. Al BAKRI ABDULLAH, A.V. Sandu, M.G. Minciună, C.A. Țugui. C25 Steel hardening by heat treatments and thin layers deposition, Metallurgy and Materials Researches, Vol. XXII, No. 2, 2014, p. 11-18 **10/6=1,67**
16. D.C. Achiței, **P. Vizureanu**, M.G. Minciună, N.Cimpoesu, A.V. Sandu, Analysis of structural changes specific to Cu75Zn19Al5 alloy subjected to heat treatments, The 46th International October Conference on Mining and Metallurgy, Bor Lake, Bor Serbia, ISBN 978-86-6305-026-6, p. 428-432 **10/5=2,00**
17. Dragoș Cristian Achiței, Dan Gelu Galusca, **Petrica Vizureanu**, Manuela Cristina Perju Elements of obtaining shape memory alloy, type CuZnAl - - International Conference “ARCAST 2012 - Casting from rigor of technique to art”. Galați 2012, pp. 281-284, ISSN 2068-3510. **10/4=2,50**
18. Dragoș Cristian Achiței, **Petrică Vizureanu**, Nicanor Cimpoesu, Dragos Dana Thermo-mechanical fatigue of CuZnAl shape memory alloy - - 44th International October Conference On Mining And Metallurgy, 1-3 October 2012, Serbia, Mining And Metallurgy Institute Bor and University of Belgrade, Technical Faculty Bor, ISBN 978-86-7827-042-0, pp. 401-404. **10/4=2,50**
19. **Petrică Vizureanu**, Dragoș Cristian Achiței, Nicanor Cimpoesu, Dragos Dana Studies concerning thermal conductivity for shape memory alloy like CuAlMn - - 44th International October Conference On Mining And Metallurgy, 1-3 October 2012, Serbia, Mining And Metallurgy Institute Bor and University of Belgrade, Technical Faculty Bor, ISBN 978-86-7827-042-0, pp. 405 - 408. **10/4=2,50**
20. Ștefănică Roxana Gabriela, **Vizureanu Petrică**, Perju Manuela Cristina, Achitei Dragoș Cristian- Improvement of artificial ageing treatment of 7075 aluminum alloy using thermal cycles- Proceedings of The 15th International Conference Modern Tehnologies, Quality and Innovation ModTech 2011, volume II, pp. 1049-1052, 25-27 may 2011, Vadul lui Vodă, Chișinău, Republica Moldova, ISSN 2069-6736. **10/4=2,50**
21. Achiței Dragoș Cristian, **Vizureanu Petrică**, Stanciu Sergiu, Ștefănică Roxana Gabriela, Cimpoeșu Nicanor Studies concerning thermal conductivity for some cooper base memory shape alloys- - Proceedings of The 14th International Conference Modern Tehnologies, Quality and Innovation ModTech 2010, volume II, pp. 15-18, 20-22 may 2010, Slănic Moldova, Romania, ISSN 2066-3919. **10/5=2,00**

Structura activității	
22.	Manuela Cristina Perju, Petrică Vizureanu , Roxana Gabriela Stefanică, Dragoș Cristian Achiței Superficial hardening of cast iron with electrodes of Ti and W carbide by vibrating electrode deposition- - 41th International october conference on mining and metallurgy, 4-6 october 2009, Serbia, Mining and metallurgy institute Bor and University of Belgrade, Technical Faculty Bor, ISBN 978-86-7827-033-8, pp. 595-600. 10/4=2,50
23.	Vizureanu Petrica , Cornel Samoila, Dragos Cristian Achitei, Manuela Cristina Perju, Roxana Gabriela Stefanica, Daniel Cotfas Interdisciplinary researches of the potential limits for the solar energy in solids on the heating – melting range- - Proceedings of The 14th International Conference Modern Tehnologies, Quality and Innovation ModTech 2009, pp. 671-674, 20-22 may 2010, Iași, ISSN 2066 – 3919. 10/6=1,67
24.	Dragoș Achiței, Roxana-Gabriela Carabet, Petrica Vizureanu The industrial applications of the shape memory alloys- - MITIP 2008, 10th International Conference on the modern information technology in the innovation processes of the industrial enterprises, 12-14 November 2008, Prague, Czech Republic, pp.347-351, ISBN 978-80-7043-738-4 .. 10/3=3,34
25.	Dragoș Cristian Achiței, Dan Gelu Galusca, Petrica Vizureanu , Manuela Cristina Perju Elements of obtaining shape memory alloy, type CuZnAl- - International Conference “ARCAST 2012 - Casting from rigor of technique to art”, Galați 2012, pp. 281-284, ISSN 2068-3510. 10/4=2,50
26.	Achitei Dragos Cristian, Vizureanu Petrica , Galusca Dan Gelu, Axinte Mihai Thermomechanical fatigue behaviour of shape memory alloy Cu75.4Zn18.6Al5.85- - Proceedings of The 16th International Conference Modern Tehnologies, Quality and Innovation ModTech 2012, volume I, pp. 1-5, 24-26 may 2012, Sinaia Romania, ISSN 2069-6736. 10/4=2,50
27.	Dragos Cristian Achitei, Petrica Vizureanu , Dan Gelu Galusca, Manuela Cristina Perju, Ramona Hanu Cimpoesu Study concerning thermal conductivity for Cu75.4Zn18.6Al5.85 alloy- - The annals of Dunarea de Jos University of Galati, fasc. IX, metallurgy and materials science, special issue – 2011, ISSN 1453-083X, pp. 21-24 10/5=2,00
A2.3 Brevete de invenție	
A2.3.1 Internaționale	
A2.3.2 Naționale	
	<ol style="list-style-type: none"> 1. VIZUREANU P, Solar furnace for processing materials, has rotary working enclosure provided with metal envelope in which cut with opening is set , where solar radiation collected by solar energy supply system is projected to interior of enclosure, Patent Number(s): RO126961-A2 25,00 2. VIZUREANU P, PREDESCU A, Expert system for the control of thermal systems, consists of a software component loaded in a computer and a hardware component consisting of a parallel programmable interface. Patent Number(s): RO126973-A2. 25/2=12,50 3. VIZUREANU P, STEFANICA R G, ACHITEI D C, NEJNERU C, PERJU M C, Thermal treatment installation for cyclic ageing of aluminium alloys, Patent Number(s): RO128420-A2. 25/5=5,00 4. RAILEANU T, HOPULELE I, FLORESCU A, COMANECI R, BEJINARIU C, SUSAN M, VIZUREANU P, BADARAU G, GRANCEA V, Mould mix moisture content continuous automatic metering technique, Patent Number(s): RO116362-B1. 25/9=2,78
A2.4 Granturi/proiecte câștigate prin competiție	
A2.4.1 Director/responsabil	
A2.4.1.1 Internaționale	
A2.4.1.2 Naționale	
	<ol style="list-style-type: none"> 1. Contract de finanțare pentru executie proiecte nr. 72-161/01.10.2008 10x3=30 Programul PARTENERIATE IN DOMENIILE PRIORITARE Categorica de proiect: PROIECTE COMPLEXE Denumirea proiectului: Cercetari privind realizarea unei noi clase de aliaje (Al-Cu-Mn) si realizarea unui standard de oboseala termomecanica destinat aliajelor cu memoria formei 2 Contract de finanțare pentru executie proiecte nr. 105/01.10.2007 10x2=20 Programul IDEI

Structura activității
<p>Categoria de proiect: Proiecte de cercetare exploratorie Denumirea proiectului: Cercetari interdisciplinare de stabilire a limitelor de potential ale energiei solare in corpuri solide pe intervalul incalzire-topire 3 Contract de finanțare pentru executie proiecte nr. 171/20.07.2006 10x3=30 Programul „Cercetare de excelență” CEEX Categoria de proiect: Modul: 1; Tip de proiect: P-CD Denumirea proiectului: Sistem expert pentru comanda sistemelor termice</p>
A2.4.2 Membru în echipa
A2.4.2.1 Internaționale
<p>1. Grant agreement A-1695 înregistrat la UTI: nr. 6762/13.04.2009 4x4=16 Finanțat de International Science and Technology Center (Moscova) Contractor: State Engineering University of Armenia Denumirea proiectului: Nanotubes/diamond like carbon composite transparent conductive material for solar cell and conductive coating applications 2. Grant agreement no.: 218940/11.06.2008 4x4=16 Programul SEVENTH FRAMEWORK PROGRAMME, THEME 5 Energy, THEME 7 Transport Categoria de proiect: COLLABORATIVE PROJECT Denumirea proiectului: Achieving Real Change with Innovative Transport Measures Demonstrating Energy Savings – ARCHIMEDES (Call Identifier FP7-SST-2007-TREN-1_28june), 2008-2012</p>
A2.4.2.2 Naționale
<p>1 Contract de finanțare pentru executie proiecte nr. 72-163/01.10.2008 2x3=6 Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologii de precipitare dispersă în stare solidă, la nivel nanometric, folosind câmpuri termice cu cicluri staționare și tranzitorii alternante 2 Contract de finanțare pentru executie proiecte nr. 72-167/01.10.2008 2x3=6 Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologie inovativă de obținere și prelucrare superficială a straturilor subțiri metalice prin modificări structurale în câmp inductiv 3 Contract de finanțare pentru executie proiecte nr. 72-227/01.10.2008 2x3=6 Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Straturi compozite avansate utilizate în terotehnică, obținute prin pulverizare termică în arc electric activat 4 Contract de finanțare pentru executie proiecte nr. 275/31.10.2008 2x3=6 Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologia de realizare a pieselor auto metalice cu straturi superficiale modificate zonal 5 Contract de finanțare pentru executie proiecte nr. 264/30.11.2008 2x3=6 Programul PARTENERIATE IN DOMENIILE PRIORITARE Categoria de proiect: PROIECTE COMPLEXE Denumirea proiectului: Tehnologia de rprelucrare în câmp inductiv a componentelor auto ușoare 6 Contract de finanțare pentru executie proiecte nr. 72-217/01.10.2008 2x3=6 Programul PARTENERIATE IN DOMENIILE PRIORITARE</p>

Structura activității

Categoria de proiect: PROIECTE COMPLEXE

Denumirea proiectului: Sisteme expert destinate sistemelor criogenice aplicate oțelurilor

7 Contract de finanțare pentru executie proiecte nr. 71-086 / 18.09.2007 **2x3=6**

Programul PARTENERIATE IN DOMENIILE PRIORITARE

Categoria de proiect: PROIECTE COMPLEXE

Denumirea proiectului: Tehnologie modernă de obținere a straturilor fosfatate de înaltă porozitate pentru prelucrarea plastică volumică a pieselor din industria de automobile

8 Contract de finanțare pentru executie proiecte nr. 71-049 / 18.09.2007 **2x3=6**

Programul PARTENERIATE IN DOMENIILE PRIORITARE

Categoria de proiect: PROIECTE COMPLEXE

Denumirea proiectului: Tehnologie inovativă de obținere și prelucrare superficială a straturilor subțiri metalice prin descărcare electrică

9 Contract de finanțare pentru executie proiecte nr. 71-071 / 2007 **2x3=6**

Programul PARTENERIATE IN DOMENIILE PRIORITARE

Categoria de proiect: PROIECTE COMPLEXE

Denumirea proiectului: Cercetari avansate privind obtinerea materialelor compozite cu ranfort sub forma de particule si ranfort stratificat

10 Contract de finanțare pentru executie proiecte nr. 191 / 20.07.2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: „Sistem automat pentru obținerea piulițelor olandeze din oțel prin extrudare indirectă la rece”

11 Contract de finanțare pentru executie proiecte nr. 135 / 20.07.2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Dezvoltarea de noi concepte privind sinteza de materiale avansate prin combustie – CVD în câmp electromagnetic

12 Contract de finanțare pentru executie proiecte nr. 77 / 2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Sisteme computerizate de filtrare si separare activate cu ultrasunete si controlate cu biosenzori pentru procese textile- FILTSOFTUS

13 Contract de finanțare pentru executie proiecte nr. 127 / 2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Cercetari avansate asupra nanocompusilor intermetalici din interfata compozitelor aluminiu-fibre de carbon

14 Contract de finanțare pentru executie proiecte nr. 173 / 20.07.2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Echipament de metalizare prevăzut cu sistem intelligent Fuzzy Logic pentru comanda și controlul procesului de pulverizare termică

15 Contract de finanțare pentru executie proiecte nr. 179 / 20.07.2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Tehnologia de fabricație a membranelor arc-disc pentru ambreiaje auto prin tratamente termomecanice controlate pe linii tehnologice automatizate de călire cambrată

Structura activității

16 Contract de finanțare pentru executie proiecte nr. 193 / 20.07.2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Materiale multifuncționale cu granulație ultrafină/nanometrică obținută prin deformare plastică severă

Autoritatea Contractantă: Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic - POLITEHNICA

17 Contract de finanțare pentru executie proiecte nr. 180 / 20.07.2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Tehnologia de fabricație a componentelor auto ușoare (lagăre, cuzineți, bușe etc.) din semifabricate bimetalice obținute din fază lichidă

Autoritatea Contractantă: Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic - POLITEHNICA

18 Contract de finanțare pentru executie proiecte nr. 205 / 20.07.2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Sisteme mecatronice mobile inteligente cu impact ecologic pentru echipamente textile

19 Contract de finanțare pentru executie proiecte nr. 92 / 20.07.2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Dispozitiv de termostatare cu actuator pe bază de aliaj cu memoria formei

20 Contract de finanțare pentru executie proiecte nr. 293 / 13.09.2006 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Sistem tehnologic performant pentru tragerea țevilor din oțeluri inoxidabile cu vibrații ultrasonice

21 Contract de finanțare pentru executie proiecte nr. 8 / 03.10.2005 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Cercetări privind realizarea noii tehnologii de obținere a sculelor de deformare plastică la rece tip ștanțe, matrițe, poansoane, dornuri de tragere,

scule de laminare la rece – extrudare și organelor de mașini supuse la uzare tip tije, axe, arbori, supape de presiune, nucă pivot, prin borocarbovanadizare rapidă, controlată electrotermic – BOVA CONTROL

22 Contract de finanțare pentru executie proiecte nr. 6110 / 2005 **2x3=6**

Programul „Cercetare de excelenta”

Categoria de proiect: Modul: 1; Tip de proiect: P-CD

Denumirea proiectului: Dezvoltarea de noi concepte, tehnici și abilități bazate pe metode sinergice de evaluare neinvazivă, a materialelor micro și nanostructurate; estimări de ciclu de viață a structurilor realizate cu acestea – SINERMAT

23 Contract de finanțare pentru executie proiecte nr. 2040 / 15.09.2004 **2x3=6**

Programul RELANSIN’

Categoria de proiect: PA

Denumirea proiectului: Termostat cu actuator din material compozit inteligent, pentru sistemele de răcire ale motoarelor cu ardere internă

Autoritatea Contractantă: Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic - POLITEHNICA

24 Contract de finanțare pentru executie proiecte nr. 2136 / 13.10.2004 **2x2=4**

Programul RELANSIN’

Structura activității

Categoria de proiect: PED

Denumirea proiectului: Tehnologie modernă pentru obținerea piulițelor olandeze din oțel prin extrudare indirectă la rece
Autoritatea Contractantă: Agenția Managerială de Cercetare Științifică, Inovare și Transfer Tehnologic - POLITEHNICA

25 Contract de finanțare pentru execuție proiecte nr. 3033/1232 din 20.11.2002 **2x2=4**

Programul RELANSIN'

Denumirea proiectului: Studii privind combaterea căderilor de grindină și stimularea precipitațiilor în zona Moldova

26 Contract de finanțare pentru execuție proiecte nr. 33479/2002, tema 69 **1x2=2**

Categoria de proiect: grant de cercetare tip A

Denumirea proiectului: Monitorizarea sistemelor adaptive de răcire folosind tehnici avansate de procesare și control neuro-fuzzy

27 Contract de finanțare pentru execuție proiecte nr. 6177/2001, tema A16 **1x2=2**

Categoria de proiect: grant de cercetare tip A

Denumirea proiectului: Monitorizarea sistemelor adaptive de răcire folosind tehnici avansate de procesare și control neuro-fuzzy

28 Contract de finanțare pentru execuție proiecte nr. 905 / 19.09.2000 **2x2=4**

Programul RELANSIN'

Categoria de proiect: TM

Denumirea proiectului: Tehnologii moderne, de mare eficiență economică, pentru obținerea țevilor cu pereți subțiri și a cablurilor cu izolație minerală pentru termocupluri în tub metalic, din oțeluri inoxidabile, prin tragere în câmp ultrasonor

29 Contract de finanțare pentru execuție proiecte nr. 6177/2000, tema B45 **1x2=2**

Categoria de proiect: grant de cercetare tip A

Denumirea proiectului: Monitorizarea sistemelor adaptive de răcire folosind tehnici avansate de procesare și control neuro-fuzzy

30 Contract de finanțare pentru execuție proiecte nr. 7002/1997, tema 58 **1x2=2**

Categoria de proiect: grant de cercetare tip A

Denumirea proiectului: Studii și cercetări privind dimensionarea constructiv-funcțională și proiectarea tehnologiilor asistate de calculator a utilajelor de încălzire și topire utilizate în metalurgia secundară pentru obținerea de noi materiale

31 Contract de finanțare pentru execuție proiecte nr. 7002/1997, tema 61 **1x2=2**

Categoria de proiect: grant de cercetare tip A

Denumirea proiectului: Cercetări privind tehnologia de obținere a benzilor metalice amorfe feromagnetice continue și studiul proprietăților de utilizare a acestora

32 Contract de finanțare pentru execuție proiecte nr. 5002/1996, tema 77 **1x2=2**

Categoria de proiect: grant de cercetare tip A

Denumirea proiectului: Studii și cercetări privind dimensionarea constructiv-funcțională și proiectarea tehnologiilor asistate de calculator a utilajelor de încălzire și topire utilizate în metalurgia secundară pentru obținerea de noi materiale

33 Contract de finanțare pentru execuție proiecte nr. 161/1996, tema B1 **1x2=2**

Categoria de proiect: grant de cercetare tip A

Denumirea proiectului: Cercetări privind îmbunătățirea parametrilor constructiv-funcționali ai utilajelor, echipamentelor și instalațiilor utilizate la tratamentul termic al aliajelor de aluminiu prin conducerea asistată de calculator

34 Contract de finanțare pentru execuție proiecte nr. 4002/1995, tema B17 **1x2=2**

Categoria de proiect: grant de cercetare tip A

Denumirea proiectului: Studii și cercetări privind dimensionarea constructiv-funcțională și proiectarea tehnologiilor asistate de calculator a utilajelor de încălzire și topire utilizate în metalurgia secundară pentru obținerea de noi materiale

A3. Recunoașterea și impactul activității

Structura activității

A3.1 Citări în reviste ISI și BDI

A3.1.1 ISI

- 1. Agop, M; Ioannou, P; Nica, P; Radu, C; Alexandru, A; Vizureanu, P, Fractal characteristics of the solidification process, MATERIALS TRANSACTIONS, Volume: 45, Issue: 3, Pages: 972-975, DOI: 10.2320/matertrans.45.972, Published: MAR 2004 (20,93)**
- 1.1. SEVERAL ASPECTS ABOUT FRACTALITY ROLE IN THE DYNAMICS OF COMPLEX SYSTEMS, Ivan, MV., Zala, A., Agop, A., Puiu, E., Vaideanu, D., Palamarciuc, I., Iancu, D.T., Crisan-Dabija, R., UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, Volume: 79, Issue: 3, Pages: 235-246, Published: 2017. **5/6=0,84**
- 1.2 Liposome Loaded Chitosan Hydrogels, a Promising Way to Reduce the Burst Effect in Drug Release A comparative analysis, Paun, VA, Popa, M, Desbrieres, J, Peptu, CA, Dragan, SV, Zegan, G, Cioca, G, MATERIALE PLASTICE, Volume: 53, Issue: 4, Pages: 590-593, Published: DEC 2016. **10/6=1,66**
- 1.3. In Vitro Release Kinetics Evaluation of Erythromycin in Microemulsions for Dermal Applications, Paun, VA, Ochiuz, L; Hortolomei, M; Creteanu, A; Stoieriu, I; Ghiciuc, CM; Serban, GT; Zegan, G; Cioca, G, MATERIALE PLASTICE, Volume: 53, Issue: 4, Pages: 699-702, Published: DEC 2016; **5/6=0,84**
- 1.4. RESEARCH ON THIN ALUMINIUM FILM DEPOSITS USING THE C-CVD METHOD, Surdu, Irina Elena; Nejneru, Carmen; Galusca, Dan Gelu; et al., METALURGIA INTERNATIONAL Volume: 18 Special Issue: 4 Pages: 5-11 Published: 2013 **5/6=0,84**
- 1.5. EXPERIMENTAL RESEARCHES OF MICROHARDNESS ON TWO CERAMIC RESTORATIVE MATERIALS FOR DENTAL STRUCTURES, Hanganu, Stela Carmen; Armencia, Adina Oana; Murariu, Alice Mirela, METALURGIA INTERNATIONAL Volume: 18 Issue: 4 Pages: 177-180 Published: 2013 **5/6=0,84**
- 1.6. ABOUT THE MEAN FRICTION REVERSAL DURING THE TUBES DRAWING WITHOUT INSIDE GUARD, Gavrilă, Bogdan-Lucian, METALURGIA INTERNATIONAL Volume: 18 Issue: 1 Pages: 5-7 Published: 2013 **5/6=0,84**
- 1.7. MORPHOLOGICAL PROPERTIES OF POLYAMIDE 6-CNT NANOFIBERS OBTAINED BY ELECTROSPINNING METHOD, Calin, Monica Alina; Curteza, Antonela; Toma, Stefan; et al., METALURGIA INTERNATIONAL Volume: 18 Issue: 1 Pages: 19-22 Published: 2013 **5/6=0,84**
- 1.8. ELECTRICAL PROPERTIES OF PA6-CNT NANOFIBERS OBTAINED BY ELECTROSPINNING METHOD, Calin, Monica Alina; Agop, Maricel, METALURGIA INTERNATIONAL Volume: 18 Issue: 1 Pages: 23-25 Published: 2013 **5/6=0,84**
- 1.9. EXPERIMENTAL INVESTIGATIONS ON THE PLASMA NITRIDING PROCESS CONTROL USING IONIC TRIODE, Axinte, Mihai; Nejneru, Carmen; Stroe, Aurelia; et al., METALURGIA INTERNATIONAL Volume: 18 Issue: 1 Pages: 26-31 Published: 2013 **5/6=0,84**
- 1.10. A UNITARY THEORY TO THE HOLLOW CATHODE EFFECT WITH IMPLICATIONS IN IONIC NITRIDING, Axinte, Mihai; Nejneru, Carmen; Stroe, Aurelia; et al., METALURGIA INTERNATIONAL Volume: 18 Issue: 1 Pages: 32-39 Published: 2013 **5/6=0,84**
- 1.11. SURFACE MORPHOLOGY INFLUENCE IN STRUCTURAL COLOURS DISPLAYED BY SPIN-COATED THIN FILM, Teodorescu, Mirela; Khenoussi, Naby; Schacher, Laurence; et al., METALURGIA INTERNATIONAL Volume: 18 Issue: 2 Pages: 27-29 Published: 2013 **5/6=0,84**
- 1.12. A NEW POSSIBLE MATERIAL MARKING TECHNIQUE VIA LASER BEAM - UNIFORM MAGNETIC FIELD, Rusu, Stefan; Galusca, Dan-Gelu; Rusu, Ioan; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 9 Pages: 53-62 Published: 2011 **5/6=0,84**
- 1.13. Heat transfer-A review of 2004 literature, By: Goldstein, R. J.; Ibele, W. E.; Patankar, S. V.; et al., INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: 53 Issue: 21-22 Pages: 4343-4396 Published: OCT 2010 **20/6=3,34**
- 1.14. SIMULATION OF SOLIDIFICATION OF AC43A-ASTM FAUCETS, Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL Volume: 15 Special Issue: 6 Pages: 9-14 Published: 2010 **5/6=0,84**
- 1.15. IRON BASED ALLOYS BEHAVIOR BY MOLDING SIMULATION POINT OF VIEW, Mihai, Dumitru; Cimpoesu, Nicanor, METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 30-34 Published: 2010 **5/6=0,84**
- 1.16. COMPUTER SIMULATION OF CAST IRON FILLING AND SOLIDIFICATION IN CROOK AND ENCAMPMENT-TYPE SAMPLES, Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL Volume: 15 Issue: 9 Pages: 74-78 Published: 2010 **5/6=0,84**

Structura activității

1.17. Fractal space-time theory and some applications in advanced materials, Agop, Maricel; Stan, Constantin; Toma, Mihai; et al., THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE Volume: 8 Issue: 2 Pages: 121-129 Published: MAY-AUG 2007 **15/6=2,50**

1.18. A theoretical approach of the heat transfer in nanofluids, Mohorianu, S. H.; Agop, M., JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 8 Issue: 5 Pages: 1741-1743 Published: OCT 2006. **10/6=1,67**

2. Nica, P; Vizureanu, P; Agop, M; Gurlui, S; Focsa, C; Forna, N; Ioannou, PD; Borsos, Z, Experimental and Theoretical Aspects of Aluminum Expanding Laser Plasma, JAPANESE JOURNAL OF APPLIED PHYSICS, Volume: 48, Issue: 6, Article Number: 066001, DOI: 10.1143/JJAP.48.066001, Published: JUN 2009 (43,86)

2.1. Spatial-Resolved Measurement and Analysis of Extreme-Ultraviolet Emission Spectra from Laser-Produced Al Plasmas, Cao, SQ, Su, MG, Sun, DX, Min, Q, Dong, CZ, CHINESE PHYSICS LETTERS, Volume: 33, Issue: 4, Article Number: 045201, Published: APR 2016 **10/8=1,25**

2.2. Order Disorder Transition in Nanostructures via Non-Differentiability, Casian-Botez, I.; Agop, M., JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, Volume: 12, Issue: 8, Pages: 1746-1755, Published: AUG 2015 **15/8=1,88**

2.3. On the Memorizing Ability of Nanostructures, Agop, M, Casian-Botez, I, Birlescu, VS, Popa, RF, JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, Volume: 12, Issue: 4, Pages: 682-688, Published: APR 2015. **15/8=1,88**

2.4. Implications of Non-Differentiable Entropy on a Space-Time Manifold, Agop, M, Gavrilut, A ; Stefan, G ; Doroftei, B., ENTROPY, Volume: 17, Issue: 4, Pages: 2184-2197, Published: APR 2015. **15/8=1,88**

2.5. Implications of Onicescu's informational energy in some fundamental physical models, Agop, M, Gavrilut, A.; Rezu, E, INTERNATIONAL JOURNAL OF MODERN PHYSICS B, Volume: 29, Issue: 7, Article Number: 1550045, Published: MAR 20 2015. **10/8=1,25**

2.6. Dispersive effects in laser ablation plasmas, Irniciuc, SA, Agop, M, Nica, P, Gurlui, S, Mihaileanu, D, Toma, S, Focsa, C , JAPANESE JOURNAL OF APPLIED PHYSICS, Volume: 53, Issue: 11, Article Number: 116202, Published: NOV 2014. **15/8=1,88**

2.7. Informational Non-Differentiable Entropy and Uncertainty Relations in Complex Systems, Agop, M, Gavrilut, A, Crumpei, G., Doroftei, B., ENTROPY, Volume: 16, Issue: 11, Pages: 6042-6058, Published: NOV 2014. **15/8=1,88**

2.8. HYSTERETIC TYPE BEHAVIORS OF THE COMPLEX FLUIDS VIA NON-DIFFERENTIABILITY, Timofte, D, Ochiuz, L, Eva, L, Moraru, E, Stana, B, Agop, M, Vasincu, D, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 15, Issue: 4, Pages: 331-337, Published: OCT-DEC 2014. **15/8=1,88**

2.9. Pulsed laser deposition of rare-earth-doped gallium lanthanum sulphide chalcogenide glass thin films, Pompilian, O. G.; Dascalu, G.; Mihaila, I.; et al., APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 117 Issue: 1 Pages: 197-205 Published: OCT 2014 **15/8=1,88**

2.10. Femtosecond pulsed laser deposition of cobalt ferrite thin films, Dascalu, Georgiana; Pompilian, Gloria; Chazallon, Bertrand; et al., APPLIED SURFACE SCIENCE Volume: 278 Pages: 38-42 Published: AUG 1 2013 **20/8=2,50**

2.11. Plasma diagnostics in pulsed laser deposition of GaLaS chalcogenides, Pompilian, O. G.; Gurlui, S.; Nemeș, P.; et al., APPLIED SURFACE SCIENCE Volume: 278 Pages: 352-356 Published: AUG 1 2013 **20/8=2,50**

2.12. Dynamics Control of the Complex Systems via Nondifferentiability, Nejneru, Carmen; Nicuța, Anca; Constantin, Boris; et al., JOURNAL OF APPLIED MATHEMATICS Article Number: 137056 Published: 2013 **10/8=1,25**

2.13. Characterization of Aluminum Laser Produced Plasma by Target Current Measurements, Nica, Petru-Edward; Agop, Maricel; Gurlui, Silviu; et al., JAPANESE JOURNAL OF APPLIED PHYSICS Volume: 51 Issue: 10 Article Number: 106102 Part: 1 Published: OCT 2012 **15/8=1,88**

2.14. System Dynamics Control through the Fractal Potential, Timofte, A.; Botez, I. Casian; Scurtu, D.; et al., ACTA PHYSICA POLONICA A Volume: 119 Issue: 3 Pages: 304-311 Published: MAR 2011 **10/8=1,25**

2.15. CHARGED PARTICLE BEAM PRODUCTION VIA LASER ABLATION FOR TRACEABILITY MARKING, Rusu, Stefan; Galusca, Dan-Gelu; Rusu, Ioan; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 10 Pages: 11-18 Published: 2011 **5/8=0,63**

Structura activității

- 2.16. Effect of air pressure on the spatial and emission characteristics of an aluminum laser torch under subthreshold conditions of ablation, Chuchman, M. P.; Shuaibov, A. K.; Mesarosh, L. V., TECHNICAL PHYSICS Volume: 56 Issue: 1 Pages: 117-120 Published: JAN 2011 **10/8=1,25**
- 2.17. Al₂O₃ ceramics under high-fluence irradiation: plasma plume dynamics through space- and time-resolved optical emission spectroscopy, Ursu, C.; Pompilian, O. G.; Gurlui, S.; et al., APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING Volume: 101 Issue: 1 Pages: 153-159 Published: OCT 2010 **15/8=1,88**
- 2.18. Implications of an extended fractal hydrodynamic model, Agop, M.; Nica, P. E.; Gurlui, S.; et al., EUROPEAN PHYSICAL JOURNAL D Volume: 56 Issue: 3 Pages: 405-419 Published: FEB 2010 **15/8=1,88**
- 2.19. Fractal hydrodynamic model of high-fluence laser ablation plasma expansion, Agop, M.; Nica, P.; Gurlui, S.; et al., Book Series: AIP Conference Proceedings Volume: 1278 Pages: 612-622 Published: 2010 **5/8=0,63**
- 2.20. IMPLICATIONS OF SCALE RELATIVITY IN GRAVITATIONAL AND ELECTROMAGNETIC FIELD THEORY, Abacioaie, D. S.; Paun, M. A.; Niculescu, O.; et al., ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 7-8 Pages: 665-675 Published: 2010. **10/8=1,25**
- 2.21. Thermal Properties of Nanofilled and Microfilled Restorative Composites, Nica, Irina; Rusu, Valeriu; Paun, Maria-Alexandra; et al., MATERIALE PLASTICE Volume: 46 Issue: 4 Pages: 431-434 Published: DEC 2009 **5/8=0,63**
- 2.22. Experimental Investigations of Polymer Plasma Laser Ablation, Niculescu, Oana; Nica, Petre; Gurlui, Silviu; et al., MATERIALE PLASTICE Volume: 46 Issue: 3 Pages: 336-338 Published: SEP 2009 **5/8=0,63**
- 2.23. Theoretical Model of Polymer Plasma Laser Ablation, Paun, Viorel-Puiu; Paun, Maria-Alexandra, MATERIALE PLASTICE Volume: 46 Issue: 3 Pages: 339-340 Published: SEP 2009 **5/8=0,63**
- 2.24. Irimiciuc, SA; Agop, M; Nica, P; Gurlui, S; Mihaileanu, D; Toma, S; Focsa, C, Dispersive effects in laser ablation plasmas, JAPANESE JOURNAL OF APPLIED PHYSICS, Volume: 53, Issue: 11, Article Number: 116202, DOI: 10.7567/JJAP.53.116202, Published: NOV 2014 **15/8=1,88**
- 2.25. Agop, M ; Gavrilut, A; Crumpei, G ; Doroftei, B, Informational Non-Differentiable Entropy and Uncertainty Relations in Complex Systems, ENTROPY, Volume: 16, Issue: 11, Pages: 6042-6058, DOI: 10.3390/e16116042, Published: NOV 2014. **15/8=1,88**
- 2.26. Timofte, D ; Ochiuz, L ; Eva, L ; Moraru, E ; Stana, B; Agop, M ; Vasincu, D, HYSTERETIC TYPE BEHAVIORS OF THE COMPLEX FLUIDS VIA NON-DIFFERENTIABILITY, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 15, Issue: 4, Pages: 331-337, Published: OCT-DEC 2014. **15/8=1,88**
- 2.27. Agop, M ; Ochiuz, L; Timofte, D; Barlescu, V ; Danila, MN ;Gheorghita, L; Paun, VP ; Solovastru, LG ; Popa, C, Some Aspects Concerning the "Memorization Effect" in Complex Fluid, ACTA PHYSICA POLONICA A, Volume: 126, Issue: 3, Pages: 663-669, Published: SEP 2014. **10/8=1,25**
- 2.28. Irimiciuc, SA; Mihaila, I; Agop, M, Experimental and theoretical aspects of a laser produced plasma, PHYSICS OF PLASMAS, Volume: 21, Issue: 9, Article Number: 093509, DOI: 10.1063/1.4895897, Published: SEP 2014. **20/8=2,50**

3. Agop, M., Vizureanu, P., Ioannou, P.D., *On the heat transfer in nanostructures*, Metalurgia International, vol. 13, nr. 8, pg. 10-20, 2008 (6,66)

- 3.1. Ruthenium(II) Complex Catalyzed O-Borylation of Alcohols with Vinylboronates, Marciniak, Bogdan; Walkowiak, Jędrzej SYNLETT, Issue: 15, Pages: 2433-2436, Published: SEP 16 2009. **20/3=6,66**

4. Vizureanu, P; Samoila, C; Cofas, D, MATERIALS PROCESSING USING SOLAR ENERGY, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 8, Issue: 2, Pages: 301-306, Published: MAR-APR 2009 (42,09)

- 4.1. Investigation of the photovoltaic cell/thermoelectric element hybrid system performance, Cofas, DT; Cofas, PA; Machidon, OM; Ciobanu, D, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 133, Article Number: UNSP 012037, Published: 2016. **5/3=1,67**
- 4.2. Modeling and simulation of temperature effect in polycrystalline silicon PV cells, Marcu, M, Niculescu, T, Slusariuc, RI, Popescu, FG, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2016, Book Series: IOP, Conference Series-Materials Science and Engineering, Volume: 133, Article Number: UNSP 012005, Published: 2016. **5/3=1,67**

Structura activității

- 4.3. CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg₂ SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 18 Issue: 2 Pages: 30-34 Published: 2013 **5/3=1,67**
- 4.4. EXPERIMENTAL STRUCTURAL, PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE MAGNETISABLE COMPOSITE YARNS, Grosu, Marian-Catalin; Hossu, Ioan; Avram, Dorin; et al., METALURGIA INTERNATIONAL Volume: 17 Issue: 1 Pages: 28-34 Published: 2012 **5/3=1,67**
- 4.5. SOLAR SYSTEMS FOR WOOD DRYING, Campean, Mihaela; Marinescu, Ion, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 8 Pages: 1069-1076 Published: AUG 2011 **15/3=5,00**
- 4.6. EXPERIMENTAL RESEARCH ON TRANSIENT REGIMES OF SOLAR AIR HEAT COLLECTORS, Ciocanea, Adrian; Dragomirescu, Andrei; Budea, Sanda, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 8 Pages: 1097-1103 Published: AUG 2011 **15/3=5,00**
- 4.7. A GIS METHOD FOR ASSESSING ROOF-MOUNTED SOLAR ENERGY POTENTIAL: A CASE STUDY IN JIANGSU, CHINA, Liu, Guangxu; Wu, Wenxiang; Ge, Quansheng; et al., ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 6 Pages: 843-848 Published: JUN 2011 **15/3=5,00**
- 4.8. ENVIRONMENTAL IMPACT SCENARIO OF AN AZIMUTHAL TRACKED PV PLATFORM BASED ON CO₂ EMISSIONS REDUCTION, Butuc, Bianca Raluca; Moldovean, Gheorghe, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 2 Pages: 271-276 Published: FEB 2011 **15/3=5,00**
- 4.9. EXPERIMENTAL MAGNETIC CHARACTERISTICS OF THE COMPOSITE YARNS, Grosu, Marian-Catalin; Hossu, Ioan; Avram, Dorin; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 12 Pages: 58-62 Published: 2011 **5/3=1,67**
- 4.10. CHARGED PARTICLE BEAM PRODUCTION VIA LASER ABLATION FOR TRACEABILITY MARKING, Rusu, Stefan; Galusca, Dan-Gelu; Rusu, Ioan; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 10 Pages: 11-18 Published: 2011 **5/3=1,67**
- 4.11. ENERGY AND ECONOMICAL GROWTH: OVERVIEW AND GLOBAL CHALLENGES, Guillet, Remi, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 9 Issue: 10 Pages: 1357-1362 Published: OCT 2010 **15/3=5,00**
- 4.12. PRELIMINARY SIZING AND OPTIMIZATION OF A MICRO SOLAR POWER PLANT BY A PARAMETRIC SENSITIVITY STUDY, Mathieu, Antoine; Feidt, Michel; Rochelle, Pierre; et al., ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 9 Issue: 10 Pages: 1381-1387 Published: OCT 2010 **15/3=5,00**
- 4.13. WATER TEMPERATURE INFLUENCE ON METALLIC MATERIALS COOLING, Grecu, Adrian; Galusca, Dan Gelu; Nejneru, Carmen; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 37-40 Published: 2010 **5/3=1,67**
- 5. C. Popa, P. Vizureanu, I. Casian Botez, C. M. Stoica, A. Nicuta, C. Nejneru, L. Bibire, A. Ghenadi, Theoretical and Experimental Results on the Charge Transport in Plasma Structures Through Spontaneously Symmetry Breaking. New Transport Mechanisms in Composite Materials, Revista Materiale Plastice, 46, Nr. 2, 2009, pg. 144-148. (0,62)**
- 5.1. Optimal design of process parameters, experimental fabrication and characterisation of a novel hybrid polymer nanocomposite
By: Huang, Shyh-Chour; Minh-Tai Le, INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, Volume: 52, Issue: 3-4, Special Issue: SI, Pages: 362-380, Published: 2016. **5/8=0,62**
- 6. Achitei, DC; Vizureanu, P; Stanciu, S;, Studies Concerning Thermal Conductivity For Some Copper Base Memory Shape Alloys, Modtech 2010: New Face of Tmcr, Proceedings Pages: 15-18 Published: 2010, conferință indexată în baza de date ISI Thomson Scientific. (4,98)**
- 6.1. Thermo-elastic response of a NiTi SMA at compression solicitation, Cimpoesu, I, Stanciu, S., Goanta, V., Achitei, DC., Lohan, NM., Constantin, B., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 6, Issue: 5-6 Pages: 627-630, Published: MAY-JUN 2012 **5/3=1,66**

Structura activității

6.2. MICROSTRUCTURAL 2D AND 3D ANALYZE OF A SHAPE MEMORY ALLOY IN DIFFERENT SOLICITATION CONDITIONS, Cimpoesu, N.; Gurlui, SO, Stanciu, S., Cimpoesu, I, Nejneru, C., Constantin, T., MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceedings, Pages: 189-192, Published: 2012 **5/3=1,66**

6.3. Thermal properties of a Ti-6Al-4V alloy used as dental implant material, Costan, A., Dima, A., Ionita, I., Forna, N., Perju, MC., Agop, M., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 5, Issue: 1-2, Pages: 92-95, Published: JAN 2011 **5/3=1,66**

7. Vizureanu, P., *The Heating Process of the Materials in the Solar Furnaces*, Metalurgia International, vol. 14, nr. 2, pg. 51-54, 2009. (5,00)

7.1. SOME CONSIDERATIONS ABOUT THE ANALYZING OF TRACTION BREAK SURFACE OF REINFORCEMENT COMPOSITE MATERIAL WITH SI-C PARTICLES, Nedelcu, Dumitru; Chelariu, Romeo; Tabacaru, Lucian, METALURGIA INTERNATIONAL, Volume: 14, Pages: 69-72, Published: 2009. **5/1=5,00**

8. Vizureanu, P; Perju, MC; Galusca, DG;., Mass Transfer For Titan And Tungsten Electrode Coating Using Impulse Discharge Method, Metalurgia International Volume: 15 Issue: 12 Pages: 59-64 Published: 2010 (1,66)

8.1. CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg₂ SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT, Bernevig, Mihai, METALURGIA INTERNATIONAL, Volume: 18, Issue: 2, Pages: 30-34, Published: 2013 **5/3=1,66**

9. P. Vizureanu, C. Samoilă, D. Coffas, S. Kaplanis, The Achievement of an Algorithm for the Design of a Solar Furnace, Metalurgia International, vol. 15, nr. 2, pg. 5-14, 2010 (1,66)

9.1. SEL F REDUCING BRIQUETTES USED AS ALTERNATE MATERIAL TO STEEL OBTAINING IN EAF ON THE ELECTRO ENERGETIC REGIME, Sohaciu, Mirela Gabriela, METALURGIA INTERNATIONAL, Volume: 18, Special Issue: 6, Pages: 163-165, Published: 2013 **5/3=1,66**

9. Vizureanu, P; Agop, M, A theoretical approach of the heat transfer in nanofluids, MATERIALS TRANSACTIONS, Volume: 48, Issue: 11, Pages: 3021-3023, DOI: 10.2320/matertrans.MRP2007118, Published: NOV 2007 (42,50)

9.1. Nedeff, V ; Lazar, G; Agop, M ; Mosnegutu, E ; Ristea, M ; Ochiuz, L; Eva, L; Popa, C, Non-linear behaviours in complex fluid dynamics via non-differentiability. Separation control of the solid components from heterogeneous mixtures, POWDER TECHNOLOGY, Volume: 269, Pages: 452-460, DOI: 10.1016/j.powtec.2014.09.040, Published: JAN 2015. **20/2=10,00**

9.2. Morphological and Broadband Dielectric Spectroscopy Approaches on PA6-CNT Nanofibres, Calin, Monica Alina; Khenoussi, Naby; Schacher, Laurence; et al., MATERIALE PLASTICE Volume: 50 Issue: 4 Pages: 257-263 Published: DEC 2013 **5/2=2,50**

9.3. CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg₂ SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 18 Issue: 2 Pages: 30-34 Published: 2013 **5/2=2,50**

9.4. On the Energy Dissipation Capacity and the Shape Memory. A Comparative Study between Polymer Composites and Alloys, Paun, Viorel-Puiu; Cimpoesu, Nicanor; Cimpoesu, Ramona Hanu; et al., MATERIALE PLASTICE Volume: 47 Issue: 2 Pages: 158-163 Published: JUN 2010 **5/2=2,50**

9.5. Internal Friction Phenomena at Polymeric and Metallic Shape Memory Materials. Experimental and Theoretical Results, Paun, Maria-Alexandra; Hanu, Ramona Cimpoesu; Cimpoesu, Nicanor; et al., MATERIALE PLASTICE Volume: 47 Issue: 2 Pages: 209-214 Published: JUN 2010 **5/2=2,50**

9.6. WATER TEMPERATURE INFLUENCE ON METALLIC MATERIALS COOLING, Grecu, Adrian; Galusca, Dan Gelu; Nejneru, Carmen; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 37-40 Published: 2010 **5/2=2,50**

9.7. EXPERIMENTAL AND THEORETICAL RESULTS CONCERNING INTERNAL FRICTION INVESTIGATION OF A SHAPE MEMORY ALLOY BASED ON COPPER, Nicanor, Cimpoesu; Ramona, Cimpoesu Hanu; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 48-58 Published: 2010 **5/2=2,50**

9.8. COMPUTER SIMULATION OF CAST IRON FILLING AND SOLIDIFICATION IN CROOK AND ENCAMPMENT-TYPE SAMPLES, Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL Volume: 15 Issue: 9 Pages: 74-78 Published: 2010 **5/2=2,50**

Structura activității

9.9. SOME "EXOTIC" CONDUCTIVITY MECHANISMS IN GRAPHENE, Stana, R.; Casian-Botez, I.; Litoiu, R.; et al., ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 9-10 Pages: 1111-1120 Published: 2010 **10/2=5,00**

9.10. El Naschie's epsilon((infinity)) theory and effects of nanoparticle clustering on the heat transport in nanofluids, Agop, M.; Paun, V.; Harabagiu, Anca, CHAOS SOLITONS & FRACTALS Volume: 37 Issue: 5 Pages: 1269-1278 Published: SEP 2008 **15/2=7,50**

9.11. THE INCREASE OF THE ELECTRICAL CONDUCTANCE IN NANOSTRUCTURES: A THEORETICAL APPROACH, Ioannou, Pavlos D.; Nica, Petru; Agop, Maricel, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 70 Issue: 4 Pages: 67-74 Published: 2008 **5/2=2,50**

10. Borsos, Z; Paun, VP; Botez, IC; Stoica, CM; Vizureanu, P; Agop, M, Structural Conductivity of Carbon Nanotubes, REVISTA DE CHIMIE, Volume: 59, Issue: 10, Pages: 1169-1171, Published: OCT 2008 (13,39)

10.1. Optimal design of process parameters, experimental fabrication and characterisation of a novel hybrid polymer nanocomposite, Huang, Shyh-Chour; Minh-Tai Le, INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY,, Volume: 52 Issue: 3-4 Special Issue: SI Pages: 362-380 Published: 2016 **20/6=3,33**

10.2. Morphological and Broadband Dielectric Spectroscopy Approaches on PA6-CNT Nanofibres, By: Calin, Monica Alina; Khenoussi, Naby; Schacher, Laurence; et al., MATERIALE PLASTICE Volume: 50 Issue: 4 Pages: 257-263 Published: DEC 2013 **5/6=0,84**

10.3. Calculated Theoretical Hardness from Chemical Data for Boron Nitride Nanotubes, Petrescu, Mircea-Ionut; Ghiban, Brandusa; Ghiban, Nicolae; et al., REVISTA DE CHIMIE Volume: 64 Issue: 10 Pages: 1151-1155 Published: OCT 2013 **10/6=1,67**

10.4. Structural Properties of Nanofilled and Microfilled Restorative Composites, Nica, Irina; Cimpoesu, Nicanor; Rusu, Valeriu; et al., MATERIALE PLASTICE Volume: 49 Issue: 3 Pages: 176-180 Published: SEP 2012 **5/6=0,84**

10.5. The Assessment on Insulation Behaviour of Multilayer EPDM/Paper Composite, Zaharescu, Traian; Buse, Florin; Jipa, Silviu; et al., MATERIALE PLASTICE Volume: 47 Issue: 2 Pages: 195-198 Published: JUN 2010 **5/6=0,84**

10.6. WATER TEMPERATURE INFLUENCE ON METALLIC MATERIALS COOLING, Grecu, Adrian; Galusca, Dan Gelu; Nejneru, Carmen; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 37-40 Published: 2010 **5/6=0,84**

10.7. CHEMICAL, PHYSICAL AND MECHANICAL PROPERTIES OF THIN LAYERS ACHIEVED BY VIBRATING ELECTRODE METHOD, Perju, Manuela Cristina; Nejneru, Carmen; Galusca, Dan Gelu; et al., Edited by: Nedelcu, D; Slatineanu, L; Mazuru, S; et al., Conference: 14th International Conference on Modern Technologies, Quality and Innovation (ModTech 2010) Location: Slanic-Moldova, ROMANIA Date: MAY 20-22, 2010 Book Series: Proceedings of the International Conference ModTech Pages: 455-458 Published: 2010 **5/6=0,84**

10.8. IMPLICATIONS OF SCALE RELATIVITY IN GRAVITATIONAL AND ELECTROMAGNETIC FIELD THEORY, Abacioaie, D. S.; Paun, M. A.; Niculescu, O.; et al., ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 7-8 Pages: 665-675 Published: 2010 **10/6=1,67**

10.9. Thermal Properties of Nanofilled and Microfilled Restorative Composites, By: Nica, Irina; Rusu, Valeriu; Paun, Maria-Alexandra; et al., MATERIALE PLASTICE Volume: 46 Issue: 4 Pages: 431-434 Published: DEC 2009 **5/6=0,84**

10.10. Experimental Investigations of Polymer Plasma Laser Ablation, By: Niculescu, Oana; Nica, Petre; Gurlui, Silviu; et al., MATERIALE PLASTICE Volume: 46 Issue: 3 Pages: 336-338 Published: SEP 2009 **5/6=0,84**

10.11. Theoretical Model of Polymer Plasma Laser Ablation, Paun, Viorel-Puiu; Paun, Maria-Alexandra, MATERIALE PLASTICE, Volume: 46 Issue: 3 Pages: 339-340 Published: SEP 2009 **5/6=0,84**

11. C. Nejneru, N. Cimpoesu, S. Stanciu, P. Vizureanu, A. V. Sandu, Sea Water Corrosion of a Shape Memory Alloy Type Cu-Zn-Al, Metalurgia International, vol. 14, nr. 7, pg. 95-98, 2009. (3,00)

11.1. SIMULATION OF CASTING AND SOLIDIFICATION PROCESSES OF ALUMINUM ALLOYS FOR AERONAUTICAL APPLICATIONS, Bernevig, Mihai, METALURGIA INTERNATIONAL, Volume: 17, Issue: 10, Pages: 88-91, Published: 2012. **5/5=1,00**

Structura activității

11.2. Hydroxyapatite and PMMA Thin Films Synthesized by Pulsed Laser Deposition on Titanium Based Metallic Substrates, Costan, Alina; Cimpoesu, Ramona Hanu; Ionita, Iulian; et al., MATERIALE PLASTICE, Volume: 48, Issue: 4, Pages: 299-302, Published: DEC 2011. **10/5=2,00**

11.3. SIMULATION OF SOLIDIFICATION OF AC43A-ASTM FAUCETS, Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL, Volume: 15, Special Issue: 6, Pages: 9-14, Published: 2010. **5/5=1,00**

12. Achitei, D; Galusca, DG; Vizureanu, P; Carabet, R; Cimpoesu, N, ASPECTS REGARDING THERMO-MECHANICAL FATIGUE OF SHAPE MEMORY ALLOYS, METALURGIA INTERNATIONAL, Volume: 14, Pages: 45-48, Published: 2009 (17,00)

12.1. Actuation fatigue life prediction of shape memory alloys under the constant-stress loading condition, Calhoun, C.; Wheeler, R.; Baxevanis, T.; et al., SCRIPTA MATERIALIA, Volume: 95, Pages: 58-61, Published: JAN 15 2015. **20/5=4,00**

12.2. Thermo-elastic response of a NiTi SMA at compression solicitation, Cimpoesu, I.; Stanciu, S.; Goanta, V.; et al., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 6 Issue: 5-6 Pages: 627-630 Published: MAY-JUN 2012. **5/5=1,00**

12.3. SIMULATION OF CASTING AND SOLIDIFICATION PROCESSES OF ALUMINUM ALLOYS FOR AERONAUTICAL APPLICATIONS, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 17 Issue: 10 Pages: 88-91 Published: 2012 **5/5=1,00**

12.4. CORROSION BEHAVIOUR AND SURFACE ANALYSIS OF A Co-BASED AND TWO Ni-BASED DENTAL ALLOYS IN ARTIFICIAL SALIVA, Strugaru, Sorin Iacob; Grancea, Viorel, METALURGIA INTERNATIONAL Volume: 17 Issue: 5 Pages: 55-59 Published: 2012 **5/5=1,00**

12.5. EXPERIMENTAL STRUCTURAL, PHYSICAL AND MECHANICAL CHARACTERISTICS OF THE MAGNETISABLE COMPOSITE YARNS, Grosu, Marian-Catalin; Hossu, Ioan; Avram, Dorin; et al., METALURGIA INTERNATIONAL Volume: 17 Issue: 1 Pages: 28-34 Published: 2012 **5/5=1,00**

12.6. EXPERIMENTAL MAGNETIC CHARACTERISTICS OF THE COMPOSITE YARNS, Grosu, Marian-Catalin; Hossu, Ioan; Avram, Dorin; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 12 Pages: 58-62 Published: 2011 **5/5=1,00**

12.7. CHARGED PARTICLE BEAM PRODUCTION VIA LASER ABLATION FOR TRACEABILITY MARKING, Rusu, Stefan; Galusca, Dan-Gelu; Rusu, Ioan; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 10 Pages: 11-18 Published: 2011 **5/5=1,00**

12.8. CHARACTERIZATION OF SOME DENTAL COMPOSITE RESIGNS, Irina, Nica; Anca, Aluculesei; Constantin, Baci; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 2 Pages: 38-42 Published: 2011 **5/5=1,00**

12.9. THE IMPACT OF DEMOGRAPHIC AGEING ON THE ECONOMIC DEVELOPMENT IN ROMANIA, Jemna, Danut-Vasile; Asandului, Mircea, METALURGIA INTERNATIONAL Volume: 15 Issue: 2 Pages: 61-66 Published: FEB 2010 **5/5=1,00**

12.10. MOTIVATION AND PERFORMANCE IN HIGHER EDUCATION SYSTEMS. THE CASE OF ROMANIAN UNIVERSITIES, Baci, Livia Loredana; Bunda, Nicoleta Ramona; Andreea, Iacobuta; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 2 Pages: 67-72 Published: FEB 2010 **5/5=1,00**

12.11. Calhoun, C ; Wheeler, R; Baxevanis, T; Lagoudas, DC, Actuation fatigue life prediction of shape memory alloys under the constant-stress loading condition, SCRIPTA MATERIALIA, Volume: 95, Pages: 58-61, DOI: 10.1016/j.scriptamat.2014.10.005, Published: JAN 15 2015. **20/5=4,00**

13. Vizureanu, P, THE ANALYSIS OF THE MELTING PROCESS OF THE MATERIALS IN THE SOLAR FURNACES, METALURGIA INTERNATIONAL, Volume: 14, Issue: 5, Pages: 5-9, Published: 2009 (40,00)

13.1. SIMULATION OF CASTING AND SOLIDIFICATION PROCESSES OF ALUMINUM ALLOYS FOR AERONAUTICAL APPLICATIONS, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 17 Issue: 10 Pages: 88-91 Published: 2012 **5,00**

13.2. CORROSION BEHAVIOUR AND SURFACE ANALYSIS OF A Co-BASED AND TWO Ni-BASED DENTAL ALLOYS IN ARTIFICIAL SALIVA, Strugaru, Sorin Iacob; Grancea, Viorel, METALURGIA INTERNATIONAL Volume: 17 Issue: 5 Pages: 55-59 Published: 2012 **5,00**

13.3. SUB-ZERO TREATMENTS ON CASE HSS STEELS. STRENGTH PROPERTY ESTIMATE, Bulancea, Vasile; Gheorghiu, Diana Antonia; Achitei, Dragos, METALURGIA INTERNATIONAL Volume: 16 Issue: 6 Pages: 47-52 Published: 2011 **5,00**

13.4. NUMERICAL SIMULATION RESULTS OF METAL FLOW AND SOLIDIFICATION OF ROSETTE COMPONENTS, Butnaciuc, Dorel; Galusca, Dan Gelu, METALURGIA INTERNATIONAL Volume: 15 Special Issue: 6 Pages: 5-8 Published: 2010 **5,00**

Structura activității

13.5. WATER TEMPERATURE INFLUENCE ON METALLIC MATERIALS COOLING, Grecu, Adrian; Galusca, Dan Gelu; Nejneru, Carmen; et al., METALURGIA INTERNATIONAL Volume: 15 Issue: 12 Pages: 37-40 Published: 2010 **5,00**

13.6. THE IMPACT OF FINANCIAL LIBERALIZATION ON THE PERFORMANCE OF BANKS IN ROMANIA, Andries, Alin Marius; Asandului, Mircea, METALURGIA INTERNATIONAL Volume: 15 Issue: 11 Pages: 97-106 Published: 2010 **5,00**

13.7. EXPERIMENTAL RESEARCHES REGARDING THE SAMPLES FROM COMPOSITE MATERIAL WITH PARTICLES REINFORCEMENT, Nedelcu, Dumitru; Tabacaru, Lucian; Dusa, Petru; et al., METALURGIA INTERNATIONAL Volume: 14 Pages: 65-68 Published: 2009 **5,00**

13.8. SOME CONSIDERATIONS ABOUT THE ANALYZING OF TRACTION BREAK SURFACE OF REINFORCEMENT COMPOSITE MATERIAL WITH SI-C PARTICLES, Nedelcu, Dumitru; Chelariu, Romeo; Tabacaru, Lucian, METALURGIA INTERNATIONAL Volume: 14 Pages: 69-72 Published: 2009 **5,00**

14. Vizureanu, P; Achitei, DC; Perju, MC; Dana, D, EXPERT SYSTEM TECHNIQUES USED IN MATERIALS SCIENCE, METALURGIA INTERNATIONAL, Volume: 18, Pages: 83-87, Special Issue: 6, Published: 2013 (2,50)

14.1. CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg2 SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT, Bernevig, Mihai, METALURGIA INTERNATIONAL, Volume: 18, Issue: 2, Pages: 30-34, Published: 2013. **5/4=1,25**

14.2. RESEARCH REGARDING MORPHOLOGY OF HETEROGENEOUS MULTIPLE COATING LAYERS ON FERRITE PERLITIC SUPPORT USING VIBRATING ELECTRODE METHOD, Perju, Manuela Cristina; Galusca, Dan-Gelu; Nejneru, Carmen; et al., METALURGIA INTERNATIONAL, Volume: 15, Issue: 11, Pages: 41-46, Published: 2010. **5/4=1,25**

15. Nica, V. Rusu, M. A. Paun, C. Stefanescu, P. Vizureanu, A. Aluculesei, Thermal Properties of Nanofilled and Microfilled Restorative Composites, Revista MATERIALE PLASTICE ♦ 46 ♦ Nr. 4 ♦ 2009, pg. 431-434 (6,65)

15.1. Influence of the Geometric Parameters on the Elastic Properties of Textile Polymeric Composites, Bejan, Liliana; Axinte, Andrei; Taranu, Nicolae, MATERIALE PLASTICE, Volume: 53, Issue: 2, Pages: 264-268, Published: JUN 2016 **10/6=1,66**

15.2. Optimal design of process parameters, experimental fabrication and characterisation of a novel hybrid polymer nanocomposite, Huang, Shyh-Chour; Minh-Tai Le, INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, Volume: 52, Issue: 3-4, Pages: 362-380, Published: 2016 **5/6=0,83**

15.3. Morphological Study Regarding the Effect of Surface Finishing and Polishing on Corrosion Behaviour of Some Commercial Dental Amalgams, Balan, Adriana; Stoleriu, Simona; Andrian, Sorin; et al., REVISTA DE CHIMIE, volume: 66, Issue: 2, Pages: 182-186, Published: FEB 2015. **15/6=2,5**

15.4. Improving the Performance of Exterior Emulsion Paint by the Variation of the Chemical Nature of Polymer Latex, Dumitru, Petruta; Jitaru, Ioana, MATERIALE PLASTICE, Volume: 48, Issue: 1, Pages: 64-70 Published: MAR 2011. **10/6=1,66**

16. Ioannou, PD; Nica, P; Paun, V; Vizureanu, P; Agop, M, Wave-particle duality through an extended model of the scale relativity theory, PHYSICA SCRIPTA, Volume: 78, Issue: 6, Article Number: 065101, DOI: 10.1088/0031-8949/78/06/065101, Published: DEC 2008 (12,00)

16.1. Structural Properties of Nanofilled and Microfilled Restorative Composites, Nica, Irina; Cimpoesu, Nicanor; Rusu, Valeriu; et al., MATERIALE PLASTICE Volume: 49 Issue: 3 Pages: 176-180 Published: SEP 2012 **5/5=1,00**

16.2. System Dynamics Control through the Fractal Potential, Timofte, A.; Botez, I. Casian; Scurtu, D.; et al., ACTA PHYSICA POLONICA A Volume: 119 Issue: 3 Pages: 304-311 Published: MAR 2011 **10/5=2,00**

16.3. CHARACTERIZATION OF SOME DENTAL COMPOSITE RESINS, Irina, Nica; Anca, Aluculesei; Constantin, Baciu; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 2 Pages: 38-42 Published: 2011 **5/5=1,00**

16.4. Study on the Heat Transfer in Carbon Nanotube Composites with Polymer Matrix, Litoiu, Razvan; Eden, Mamut; Bacu, Camelia; et al., MATERIALE PLASTICE Volume: 47 Issue: 4 Pages: 478-480 Published: DEC 2010 **5/5=1,00**

16.5. Static and free time-dependent fractal systems through an extended hydrodynamic model of the scale relativity theory, Agop, M.; Munceleanu, G. V.; Niculescu, O.; et al., PHYSICA SCRIPTA Volume: 82 Issue: 1 Article Number: 015010 Published: JUL 2010 **15/5=3,00**

Structura activității

16.6. IMPLICATIONS OF SCALE RELATIVITY IN GRAVITATIONAL AND ELECTROMAGNETIC FIELD THEORY, Abacioaie, D. S.; Paun, M. A.; Niculescu, O.; et al., ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 7-8 Pages: 665-675 Published: 2010 **10/5=2,00**

16.7. Experimental Investigations of Polymer Plasma Laser Ablation, Niculescu, Oana; Nica, Petre; Gurlui, Silviu; et al., MATERIALE PLASTICE Volume: 46 Issue: 3 Pages: 336-338 Published: SEP 2009 **5/5=1,00**

16.8. Theoretical Model of Polymer Plasma Laser Ablation, Paun, Viorel-Puiu; Paun, Maria-Alexandra, MATERIALE PLASTICE Volume: 46 Issue: 3 Pages: 339-340 Published: SEP 2009 **5/5=1,00**

17. Dana, D; Vizureanu, P; Cimpoesu, R, BASIC BRAZE-WELDING OPERATION CHARACTERISTICS, METALURGIA INTERNATIONAL, Volume: 17, Issue: 6, Pages: 40-43, Published: 2012 (1,67)

17.1. CHEMICAL INFLUENCE OF FLUIDIZED BED SAND ON AlMg2 SURFACE ALLOY DURING SOLUTION ANNEALING HEAT TREATMENT, Bernevig, Mihai, METALURGIA INTERNATIONAL Volume: 18 Issue: 2 Pages: 30-34 Published: 2013 **5/3=1,67**

18. Buzea, CG; Agop, M; Galusca, G; Vizureanu, P; Ionita, I.), El Naschie's superconductivity in the time dependent Ginzburg-Landau model, CHAOS SOLITONS & FRACTALS, Volume: 34, Issue: 4, Pages: 1060-1074, DOI: 10.1016/j.chaos.2006.03.122, Published: NOV 2007 (12,60)

18.1. Malignant Invasion Model with Small Amount of Diffusion in the Framework of Scale Relativity Theory, Gradinaru, I ; Buzea, CG ; Eva, L ; Agop, M; Ochiuz, L; Solovastru, LG ; Popa, RF, REVIEWS IN THEORETICAL SCIENCE, Volume: 3, Issue: 4, Pages: 399-417, Published: DEC 2015. **3/6=0,60**

18.2. THE EFFECTS OF TELECOMMUNICATIONS SERVICES ON THE EFFICIENCY AND EFFECTIVENESS OF PRODUCTION PROCESS, Maxim, Emil; Vasilache, Silviu, METALURGIA INTERNATIONAL Volume: 18 Issue: 4 Pages: 126-130 Published: 2013 **5/5=1,00**

18.3. MODIFICATION OF THE RESISTANCE AND PLASTICITY MECHANICAL CHARACTERISTICS DURING THE TUBES DRAWING WITHOUT INSIDE GUARD, IN ULTRASOUND FIELD, Gavrilă, Bogdan-Lucian, METALURGIA INTERNATIONAL Volume: 18 Issue: 1 Pages: 8-10 Published: 2013 **5/5=1,00**

18.4. A METHOD TO REUSE ORTHOTIC MANUFACTURING MATERIALS, Rancea, Ady, METALURGIA INTERNATIONAL Volume: 17 Issue: 2 Pages: 35-37 Published: 2012 **5/5=1,00**

18.5. CHARGED PARTICLE BEAM PRODUCTION VIA LASER ABLATION FOR TRACEABILITY MARKING, Rusu, Stefan; Galusca, Dan-Gelu; Rusu, Ioan; et al., METALURGIA INTERNATIONAL Volume: 16 Issue: 10 Pages: 11-18 Published: 2011 **5/5=1,00**

18.6. The time dependent Ginzburg-Landau equation in fractal space-time, Buzea, CG, Rusu, I, Bulancea, V., Badarau, G., Paun, VP ; Agop, M , PHYSICS LETTERS A, Volume: 374, Issue: 27, Pages: 2757-2765. **15/5=3,00**

18.7. SOME "EXOTIC" CONDUCTIVITY MECHANISMS IN GRAPHENE, Stana, R.; Casian-Botez, I.; Litoiu, R.; et al., ROMANIAN JOURNAL OF PHYSICS Volume: 55 Issue: 9-10 Pages: 1111-1120 Published: 2010 **10/5=2,00**

18.8. Random attractors for a Ginzburg-Landau equation with additive noise, Zhang, Qi, CHAOS SOLITONS & FRACTALS Volume: 39 Issue: 1 Pages: 463-472 Published: JAN 15 2009 **15/5=3,00**

19. Buzea, CG; Bejinariu, C; Boris, C; Vizureanu, P; Agop, M, Motion of free particles in fractal space-time, INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, Volume: 10, Issue: 11-12, Pages: 1399-1414, Published: NOV-DEC 2009 (14,00)

19.1. Malignant Invasion Model with Small Amount of Diffusion in the Framework of Scale Relativity Theory, Gradinaru, I, Buzea, CG, Eva, L, Agop, M, Ochiuz, L., Solovastru, LG, Popa, RF., REVIEWS IN THEORETICAL SCIENCE, Volume: 3, Issue: 4, Pages: 399-417, Published: DEC 2015 **5/5=1,00**

19.2. The influence of jet gas temperature on the characteristics of steel coating obtained by wire arc spraying, Toma, Stefan Lucian, SURFACE & COATINGS TECHNOLOGY Volume: 220 Pages: 261-265 Published: APR 15 2013 **20/5=4,00**

19.3. Some implications of Scale Relativity theory in avascular stages of growth of solid tumors in the presence of an immune system response, Buzea, C. Gh.; Agop, M.; Moraru, Evelina; et al., JOURNAL OF THEORETICAL BIOLOGY Volume: 282 Issue: 1 Pages: 52-64 Published: AUG 7 2011 **20/5=4,00**

Structura activității

19.4. GUN-TYPE EFFECTS IN A GENERALIZED MAXWELL FIELD, Dandu-Bibire, Luminita; Borsos, Zoltan; Matasaru, Daniel; et al., UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS Volume: 73 Issue: 2 Pages: 175-184 Published: 2011 **5/5=1,00**

19.5. Casimir Type Effect in Scale Relativity Theory, Buzea, C. Gh.; Agop, M.; Stoica, Cristina Maria; et al., INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION Volume: 11 Issue: 10 Pages: 785-802 Published: OCT 2010 **5/5=1,00**

19.6. The time dependent Ginzburg-Landau equation in fractal space-time, Buzea, C. Gh.; Rusu, I.; Bulancea, V.; et al., PHYSICS LETTERS A Volume: 374 Issue: 27 Pages: 2757-2765 Published: JUN 14 2010 **15/5=3,00**

20. Grimberg, R; Udpa, L; Savin, A; Steigmann, R; Vizureanu, P; Bruma, A; Udpa, SS, Remote field eddy current control using rotating magnetic field transducer: Application to pressure tubes examination, RESEARCH IN NONDESTRUCTIVE EVALUATION, Volume: 19, Issue: 4, Pages: 202-218, DOI: 10.1080/09349840802190090, Published: 2008 (2,16)

20.1. POLARISED SCREEN INFLUENCE ON PLASMA DISCHARGE STABILITY FOR PLASMA NITRIDING TECHNIQUE, Nejneru, Carmen; Axinte, Mihai; et al., METALURGIA INTERNATIONAL Volume: 18 Special Issue: 5 Pages: 117-120 Published: 2013 **5/7=0,72**

20.2. STUDY ON THE POLARIZED GRID EFFECT TO THE PARTS CATHODIC SPUTTERING ON PLASMA NITRIDING, By: Axinte, Mihai; Nejneru, Carmen; Agop, Marcel, METALURGIA INTERNATIONAL Volume: 17 Issue: 12 Pages: 87-92 Published: 2012 **5/7=0,72**

20.3. CORROSION BEHAVIOUR AND SURFACE ANALYSIS OF A Co-BASED AND TWO Ni-BASED DENTAL ALLOYS IN ARTIFICIAL SALIVA, By: Strugaru, Sorin Iacob; Grancea, Viorel, METALURGIA INTERNATIONAL Volume: 17 Issue: 5 Pages: 55-59 Published: 2012 **5/7=0,72**

21. Hanganu, SC ; Armencia, AO; Grigoras, S; Hanganu, LC; Vizureanu, P, Tribological Comparative Study on Two Composite Materials for Restorative Dental Applications in Smoking Affected Teeth, MATERIALE PLASTICE, Volume: 47, Issue: 3, Pages: 375-378, Published: SEP 2010. (9,00)

21.1. In vitro Study Regarding the Effect of Different Types of Etching Acids on the Morphology and Chemical Content of the External Surface of Enamel Carious Lesion on Primary Teeth, Balan, Adriana; Stoleriu, Simona; Andrian, Sorin; et al., REVISTA DE CHIMIE, Volume: 66, Issue: 1, Pages: 70-73, Published: JAN 2015. **10/5=2,00**

21.2. Georgescu, C; Botan, M ; Deleanu, L, Influence of Adding Materials in PBT on Tribological Behaviour, MATERIALE PLASTICE, Volume: 51, Issue: 4, Pages: 351-354, Published: DEC 2014. **5/5=1,00**

21.3. Hanganu, SC; Armencia, AO; Murariu, AM; Macovei, G; Hanganu, LC; Grigoras, S; Bobu, LI, In vitro Interaction Between Two Composite Restorative Materials and Artificial Saliva, MATERIALE PLASTICE, Volume: 51, Issue: 4, Pages: 388-390, Published: DEC 2014. **5/5=1,00**

21.4. Ghiorghe, CA ; Stoleriu, S; Pancu, G; Topoliceanu, C; Sandu, AV; Andrian, S, Changes of the Mineral Structure in the Enamel Adjacent to Three Types of Restorative Materials after Immersion in Hydrochloric Acid, REVISTA DE CHIMIE, Volume: 65, Issue: 9, Pages: 1021-1025, Published: SEP 2014. **10/5=2,00**

21.5. Aminov, L; Vataman, M; Mocanu, M ; Iancu, CE ; Alexa, AI; Maxim, DC; Checherita, LE, Comparative Study Regarding the pH Influence on Surface Microhardness of Two Reparative Materials Used in Endodontics, REVISTA DE CHIMIE, Volume: 65, Issue: 7, Pages: 792-796, Published: JUL 2014. **10/5=2,00**

21.6. Hanganu, SC; Armencia, AO ; Murariu, AM, EXPERIMENTAL RESEARCHES OF MICROHARDNESS ON TWO CERAMIC RESTORATIVE MATERIALS FOR DENTAL STRUCTURES, METALURGIA INTERNATIONAL, Volume: 18, Issue: 4, Pages: 177-1280, Published: 2013 **5/5=1,00**

22. Achitei D.C., Vizureanu P., Galusca D.G., Axinte M, THERMOMECHANICAL FATIGUE BEHAVIOUR OF SHAPE MEMORY ALLOY CU(75.4)ZN(18.6)AL(5.85), MODTECH 2012: NEW FACE OF T M C R, VOLS I AND II, Book Series: International Conference ModTech Proceeding Pages: 1-4, Published: 2012. (5,00)

22.1. From polymer waste to potential main industrial products: Actual state of recycling and recovering, Datta, Janusz, Kopczynska, Patrycja, CRITICAL REVIEWS IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Volume: 46, Issue: 10, Pages: 905-946, Published: 2016 **20/4=5,00**

Structura activității

23. Stirbu, I ; Vizureanu, P ; Ratoi, M ; Cimpoesu, N, Electrochemical Deposition of Hydroxyapatite (RA) on Titanium Alloys for the Implant Surface Bio-functionalization, Book Group Author(s):IEEE, 2013 EHEALTH AND BIOENGINEERING CONFERENCE (EHB), Published: 2013. (1,25)

23.1. Preliminary results on hydroxyapatite growth on advanced Ti-base alloy using electrophoretic deposition process, Paraschiv, C., Stirbu, I., Cimpoesu, R., Bernevig, M., Nejeru, C., Manole, V., Cimpoesu, N., Zegan, G, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 10, Issue: 1-2, Pages: 87-90, Published: JAN-FEB 2016 **5/4=1,25**

24. Sandu, AV; Bejinariu, C; Nemtoi, G; Sandu, IG; Vizureanu, P; Ionita, I; Baciu, C, New Anticorrosion Layers Obtained by Chemical Phosphatation, REVISTA DE CHIMIE, Volume: 64, Issue: 8, Pages: 825-827, Published: AUG 2013. (14,70)

24.1. Studying corrosion performance, microstructure and adhesion properties of a room temperature zinc phosphate conversion coating containing Mn²⁺ on mild steel, Rezaee, N.; Attar, M. M.; Ramezanzadeh, B., SURFACE & COATINGS TECHNOLOGY, Volume: 236, Pages: 361-367, Published: DEC 15 2013. **20/7=2,86**

24.2. The effects of addition of poly(vinyl) alcohol (PVA) as a green corrosion inhibitor to the phosphate conversion coating on the anticorrosion and adhesion properties of the epoxy coating on the steel substrate, Ramezanzadeh, B.; Vakili, H.; Amini, R., APPLIED SURFACE SCIENCE, Volume: 327, Pages: 174-181, Published: FEB 1 2015. **20/7=2,86**

24.3. Influence of the Nb, V and Mo Elements on the Ecological Micro-alloyed Steel Properties, Rusanescu, Carmen Otilia; Jinescu, Cosmin; Paraschiv, Gigel; et al., REVISTA DE CHIMIE, Volume: 66, Issue: 5, Pages: 754-757, Published: MAY 2015 **15/7=2,14**

24.4. CORROSION OF MILD STEEL BY URBAN RIVER WATER, Sandu, Andrei Victor; Ciomaga, Alexandra; Nemtoi, Gheorghe; et al., INSTRUMENTATION SCIENCE & TECHNOLOGY Volume: 43 Issue: 5 Pages: 545-557 Published: SEP 3 2015. **10/7=1,42**

24.5 Corrosion Behaviour of Some Steels in Black Sea Water, Axinte, Mihai; Nejeru, Carmen; Perju, Manuela-Cristina; et al. REVISTA DE CHIMIE Volume: 66 Issue: 11 Pages: 1846-1851 Published: NOV 2015. **15/7=2,14**

24.6. Preliminary results on hydroxyapatite growth on advanced Ti-base alloy using electrophoretic deposition process, Paraschiv, C.; Stirbu, I.; Cimpoesu, R.; et al., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS Volume: 10, Issue: 1-2, Pages: 87-90, Published: JAN-FEB 2016. **5/7=0,71**

24.7. THE TESTING OF NATURAL CORROSION INHIBITORS CYSTEINE AND MATURE TOBACCO FOR TREATING MARINE COMPOSITE OBJECTS IN PEG400 SOLUTIONS, Zacharopoulou, Angeliki; Batis, Georgios; Argyropoulou, Vasiliki; et al., INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE Volume: 7 Special Issue: 1 Pages: 259-264 Published: APR 2016. **3/7=0,43**

24.8. Improvement of the Properties Through Monitoring of the Cooling Regimes Applied to Steel for Metal Sculptures, Papadatu, Carmen Penelopi; Sandu, Andrei Victor; Bordei, Marian; et al., REVISTA DE CHIMIE Volume: 67 Issue: 11 Pages: 2306-2310 Published: NOV 2016. **15/7=2,14**

25. Dana, D; Sandu, IG; Vizureanu, P; Sandu, I, Metal inert gas welding brazing technological development and experimental results, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 15, Issue: 9-10, Pages: 1153-1161, Published: SEP-OCT 2013, (3,75)

25.1. Corrosion Behaviour of Tin Bronze for Shipbuilding Industry, Nejeru, Carmen; Perju, Manuela Cristina; Sandu, Andrei Victor; et al., REVISTA DE CHIMIE, Volume: 67, Issue: 6, Pages: 1191-1194, Published: JUN 2016. **15/4=3,75**

26. Dana, D; Sandu, IG; Vizureanu, P; Sandu, I, Study on the Corrosion Resistance of Welded-Brazed Joints, REVISTA DE CHIMIE, Volume: 64, Issue: 12, Pages: 1465-1467, Published: DEC 2013 (0,75)

26.1. EVALUATION OF NEW COATINGS FOR THE PROTECTION OF ORNAMENTAL CAST IRONWORK EXPOSED IN UNCONTROLLED ENVIRONMENT, Rifai, Mai Mohamed; Abdel Hamid, Zeinab; Saleh, Saleh Mohamed; et al., INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume: 6, Issue: 4, Pages: 611-624, Published: OCT-DEC 2015. **3/4=0,75**

27. Yahya, Z; Abdullah, MMA; Hussin, K; Ismail, KN; Sandu, AV; Vizureanu, P; Abd Razak, R, Chemical and Physical Characterization of Boiler Ash from Palm Oil Industry Waste for Geopolymer Composite, REVISTA DE CHIMIE Volume: 64 Issue: 12 Pages: 1408-1412 Published: DEC 2013. (15,43)

Structura activității

27.1. POTENTIAL OF SLUDGE WASTE UTILIZATION AS CONSTRUCTION MATERIALS VIA GEOPOLYMERIZATION

By: Abdullah, Mohd Mustafa Al Bakri; Nordin, Norshahrizan; Tahir, Muhammad Faheem Mohd; et al. INTERNATIONAL JOURNAL OF CONSERVATION SCIENCE, Volume: 7, Issue: 3, Pages: 753-758, Published: SEP 2016. **3/7=0,43**

27.2. Lead Migration Tendancy in Composite Materials with E-Waste Glass Embedded, Popita, Gabriela Emilia; Rosu, Cristina; Corbu, Ofelia; et al., MATERIALE PLASTICE, Volume: 53, Issue: 3, Pages: 375-377, Published: SEP 2016. **10/7=1,43**

27.3. Effects of Stearic Acid on Tensile, Morphological and Thermal Analysis of Polypropylene (PP)/Dolomite (Dol) Composites

By: Adik, Nik Nur Azza Nik; Lin, Ong Hui; Akil, Hazizan Md.; et al., MATERIALE PLASTICE, Volume: 53, Issue: 1, Pages: 61-64, Published: MAR 2016. **10/7=1,43**

27.4. Fly Ash Based Lightweight Geopolymer Concrete Using Foaming Agent Technology, Abdullah, Mohd Mustafa Al Barri; Tahir, Muhammad Faheem Mohd; Hussin, Kamarudin; et al., REVISTA DE CHIMIE, Volume: 66, Issue: 7, Pages: 1001-1003, Published: JUL 2015. **15/7=2,14**

27.5. Food Waste Processing Relationships with Environment Protection, Costuleanu, Carmen Luiza; Vintu, Catalin Razvan; Robu, Dragos Alexandru; et al., REVISTA DE CHIMIE, Volume: 66, Issue: 5, Pages: 743-745, Published: MAY 2015. **15/7=2,14**

27.6. The study on the activity of fly ash in Ca(OH)(2) solution, Qi, T. Y.; Feng, G. R.; Zhang, Y. J.; et al., MATERIALS RESEARCH INNOVATIONS, Volume: 19, Supplement: 1, Pages: S454-S458, Published: APR 2015. **10/7=1,43**

27.7. Processing and Characterization of Fly Ash-Based Geopolymer Bricks, Ibrahim, Wan Mastura Wan; Abdullah, Mohd Mustafa Al Bakri; Sandu, Andrei Victor; et al., REVISTA DE CHIMIE Volume: 65 Issue: 11 Pages: 1340-1345 Published: NOV 2014. **10/7=1,43**

27.8. Characterization and Design of Alkali Activated Binder for Coaling Application, Shahedan, Noor Fifinatasha; Abdullah, Mohd Mustafa Al Bakri; Hussin, Kamarudin; et al., MATERIALE PLASTICE, Volume: 51, Issue: 3, Pages: 258-262, Published: SEP 2014. **10/7=1,43**

27.9. Design of Flexible Green Anti Radiation Shielding Material against Gamma-ray, Azeez, Ali Basheer; Mohammed, Kahtan S.; Abdullah, Mohd Mustafa Al Bakri; et al., MATERIALE PLASTICE, Volume: 51, Issue: 3, Pages: 300-308, Published: SEP 2014. **10/7=1,43**

27.10. Assessment on the Potential of Volcano Ash as Artificial Lightweight Aggregates using Geopolymerisation Method, Razak, Rafiza Abdul; Abdullah, Mohd Mustafa Al Bakri; Hussin, Kamarudin; et al., REVISTA DE CHIMIE, Volume: 65, Issue: 7, Pages: 828-834, Published: JUL 2014. **15/7=2,14**

28. Cimpoesu, N ; Stanciu, S ; Vizureanu, P ; Cimpoesu, R; Achitei, DC ; Ionita, I, OBTAINING SHAPE MEMORY ALLOY THIN LAYER USING PLD TECHNIQUE, JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY, Volume: 50, Issue: 1, Pages: 69-76, DOI: 10.2298/JMMB121206010C, Published: 2014 (14,99)

28.1. STUDY ON THE BIODEGRADABILITY OF FeMnSi ALLOY, Stanciu, Sergiu; Ursanu, Adela; Trinca, Lucia Carmen; et al.

ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 15, Issue: 5, Pages: 973-980, Published: MAY 2016. **15/6=2,50**

28.2. Improving the HA deposition process on Ti-based advanced alloy through sandblasting, Zegan, G.; Cimpoesu, R.; Agop, M.; et al., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 10, Issue: 3-4, Pages: 279-284, Published: MAR-APR 2016. **5/6=0,83**

28.3. Preliminary results on hydroxyapatite growth on advanced Ti-base alloy using electrophoretic deposition process, Paraschiv, C.; Stirbu, I.; Cimpoesu, R.; et al., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 10, Issue: 1-2, Pages: 87-90, Published: JAN-FEB 2016. **5/6=0,83**

28.4. Electrochemical Characterization of a New Biodegradable FeMnSi Alloy Coated with Hydroxyapatite-Zirconia by PLD Technique, Cimpoesu, Nicanor; Trinca, Lucia Carmen; Dascalu, Georgiana; et al., JOURNAL OF CHEMISTRY, Article Number: 9520972, Published: 2016. **15/6=2,50**

28.5. Thermodynamics and characterization of shape memory Cu-Al-Zn alloys, Gomidzelovic, Lidija; Pozega, Emina; Kostov, Ana; et al., TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, Volume: 25, Issue: 8, Pages: 2630-2636, Published: AUG 2015. **15/6=2,50**

28.6. Experimental investigation and characterization of selected as-cast alloys in vertical Cu0.5Ag0.5-Al section in ternary Cu-Al-Ag system, Simsic, Zdenka Stanojevic; Manasijevic, Dragan; Zivkovic, Dragana; et al., JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 120, Issue: 1, Pages: 149-155, Published: APR 2015. **15/6=2,50**

28.7. Thermal analysis and microstructural investigation of Cu-rich alloys in the Cu-Al-Ag system, Simsic, Zdenka Stanojevic; Zivkovic, Dragana; Manasijevic, Dragan; et al., JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 612, Pages: 486-492, Published: NOV 5 2014. **20/6= 3,33**

Structura activității

29. Stirbu, I; Vizureanu, P ; Cimpoesu, R ; Lungu, M; Bernevig, M ; Popa, RF , Chemical procedures for Ti-alloy based metallic surface modification, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 8, Issue: 3-4, Pages: 242-246, Published: MAR-APR 2014. (0,83)

29.1. Influence of substrate temperatures on morphologies and optical properties of CdTe solar cell films, Ji, Xin; Wang, Lin Jun; Teng, Jian Yong; et al., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 9, Issue: 9-10, Pages: 1135-1138, Published: SEP-OCT 2015. 5/6=0,83

30. Minciuna, MG; Vizureanu, P; Achitei, DC ; Ghiban, N; Sandu, AV; Forna, NC, Structural Characterization of Some CoCrMo Alloys with Medical Applications, REVISTA DE CHIMIE, Volume: 65, Issue: 3, Pages: 335-338, Published: MAR 2014. (18,00)

30.1. In vitro Study Using ATR-FTIR Methode for Analyze the Effects of the Carbamide Peroxide on the Dental Structure, Vasluianu, Roxana; Forna, Doriana Agop; Zaltariov, Mirela; et al., REVISTA DE CHIMIE, Volume: 67, Issue: 12, Pages: 2475-2478, Published: DEC 2016. 15/6=2,50

30.2. The Need of Pre and Pro-implantation Preparations and a Tissue Evaluation in the Context of Using Various Biomaterials, Cioloca, Catalina Mihaela Holban; Forna, Doriana Agop; Forna, Norina Consuela, REVISTA DE CHIMIE Volume: 67 Issue: 10 Pages: 2111-2113 Published: OCT 2016. 15/6=2,50

30.3. PREPARATIONS PRO-IMPLANT VERSUS PRO-PROSTHETIC, Cioloca, Catalina Mihaela Holban; Forna, Doriana Agop; Forna, Norina Consuela, ROMANIAN JOURNAL OF ORAL REHABILITATION Volume: 8 Issue: 3 Pages: 72-79 Published: JUL-SEP 2016. 3/6=0,5

30.4. Experimental Research on the Behaviour of the Alloy Ti10Zr in Simulated Oral Environment, Vasilescu, Vlad Gabriel; Patrascu, Ion; Cotrut, Cosmin; et al., REVISTA DE CHIMIE Volume: 67 Issue: 2 Pages: 263-266 Published: FEB 2016. 15/6=2,50

30.5. Microstructure and Chemical Homogeneity of Cast Dental Crowns Made from CoCrMoW Alloy and Ceramic Mass

By: Hancu, Violeta; Comaneanu, Raluca Monica; Coman, Costin; et al., REVISTA DE CHIMIE Volume: 66 Issue: 9 Pages: 1327-1330 Published: SEP 2015. 15/6=2,50

30.6. Comparative Assessment of Biocompatibility of NiCr and CoCr Alloys Used in Metal-fused-to-ceramic Technology

By: Comaneanu, Raluca Monica; Hancu, Violeta; Barbu, Horia Mihail; et al., REVISTA DE CHIMIE, Volume: 66, Issue: 3, Pages: 312-315 Published: MAR 2015. 15/6=2,50

30.7. Deffects in Dental Alloys Cast Single Tooth Restorations, Porojan, Liliana; Porojan, Sorin; Bortun, Cristina; et al., REVISTA DE CHIMIE, Volume: 66 Issue: 2 Pages: 210-212 Published: FEB 2015. 15/6=2,50

30.8. Structural Investigations in CoCrMo(Ti) Welded Dental Alloys, Ghiban, Alexandru; Ghiban, Brandusa; Bortun, Cristina Maria; et al., REVISTA DE CHIMIE Volume: 65 Issue: 11 Pages: 1314-1318 Published: NOV 2014. 15/6=2,50

31. Vizureanu, P; Cimpoesu, N; Radu, V ; Agop, M, INVESTIGATIONS ON THERMAL CONDUCTIVITY OF CARBON NANOTUBES REINFORCED COMPOSITES, EXPERIMENTAL HEAT TRANSFER, Volume: 28, Issue: 1, Pages: 37-57, DOI: 10.1080/08916152.2013.803176, Published: 2015. (12,50)

31.1. A study on Brinkman number variation on water based nanofluid heat transfer in partially heated tubes, Minea, Alina Adriana, MECHANICS RESEARCH COMMUNICATIONS Volume: 73 Pages: 7-11 Published: APR 2016. 15/4=3,75

31.2. Comparative study of turbulent heat transfer of nanofluids, Minea, Alina Adriana, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: 124 Issue: 1 Pages: 407-416 Published: APR 2016. 15/4=3,75

31.3. Comparison between Experimental and Theoretical Thermal Conductivity of Nanofluids Containing Multi-walled Carbon Nanotubes Decorated with TiO2 Nanoparticles, Abbasi, S.; Zebbarjad, S. M.; Baghban, S. H. N.; et al., EXPERIMENTAL HEAT TRANSFER Volume: 29 Issue: 6 Pages: 781-795 Published: 2016. 15/4=3,75

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31.4. Optimal design of process parameters, experimental fabrication and characterisation of a novel hybrid polymer nanocomposite, Huang, Shyh-Chour; Minh-Tai Le, INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, Volume: 52 Issue: 3-4 Special Issue: SI Pages: 362-380 Published: 2016. 5/4=1,25

32. Achitei, DC ; Vizureanu, P ; Minciuna, MG ; Sandu, AV ; Buzaianu, A ; Dana, DI , Obtaining of New Flux Coated Electrodes used for Weldingbrazing Operations, MATERIALE PLASTICE, Volume: 52, Issue: 2, Pages: 165-167, Published: JUN 2015. (2,50)

32.1. Improvement of the Properties Through Monitoring of the Cooling Regimes Applied to Steel for Metal Sculptures, Papadatu, Carmen Penelopi; Sandu, Andrei Victor; Bordei, Marian; et al., REVISTA DE CHIMIE Volume: 67 Issue: 11 Pages: 2306-2310 Published: NOV 2016 15/6=2,50

33. Stirbu, I ; Vizureanu, P ; Cimpoesu, R ; Dascalu, G ; Gurlui, SO; Bernevig, M ; Benchea, M; Cimpoesu, N ; Postolachee, P, Advanced metallic materials response at laser excitation for medical applications, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume: 17, Issue: 7-8, Pages: 1179-1185, Published: JUL-AUG 2015. (0,55)

33.1. Improving the HA deposition process on Ti-based advanced alloy through sandblasting, Zegan, G.; Cimpoesu, R.; Agop, M.; et al., OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 10, Issue: 3-4, Pages: 279-284, Published: MAR-APR 2016. 5/9=0,55

34. Minciuna, MG ; Vizureanu, P; Achitei, DC ; Ghiban, B ; Sandu, AV ; Mareci, D ; Balan, A, Electrochemical Behaviour of CoCrMo and CoCrMoSi5 alloys at Different Simulated Physiological Medium, REVISTA DE CHIMIE, Volume: 65, Issue: 10, Pages: 1138-1141, Published: OCT 2014. (7,14)

34.1. Measurement and optimization of atmospheric plasma sprayed CoMoCrSi coatings parameters on Ti-6Al-4V substrates affecting microstructural and properties using hybrid abductor induction mechanism, Lin, Chun-Ming; Yen, Shih-Hung; Su, Cherng-Yuh
MEASUREMENT Volume: 94 Pages: 157-167 Published: DEC 2016. 20/7=2,86

34.2. Experimental Research on the Behaviour of the Alloy Ti10Zr in Simulated Oral Environment, Vasilescu, Vlad Gabriel; Patrascu, Ion; Cotrut, Cosmin; et al., REVISTA DE CHIMIE Volume: 67 Issue: 2 Pages: 263-266 Published: FEB 2016. 15/7=2,14

34.3. Influence of CeO₂ Thickness Layer Deposited on the 945A Steel Substrate Concerning the Corrosion Process, Barca, Eduard Sebastian; Trinca, Lucia Carmen; Filipescu, Mihaela; et al., REVISTA DE CHIMIE Volume: 67 Issue: 1 Pages: 177-181 Published: JAN 2016. 15/7=2,14

A3.1.2 BDI

A3.2 Prezentări invitate în plenul unor manifestări științifice naționale și internaționale și Profesor invitat (exclusiv ERASMUS)

A3.2.1 Internaționale

1. Expert System used on Materials Processing, la 2nd International Conference on Advanced Material Engineering & Technology (ICAMET 2013) Sensa Hotel, Bandung, Indonesia, November 28-29, 2013
2. Prezentare "HEAT TRANSFER IN COMPOSITES IN REAL LIFE" Scoala de vara "Composite Materials: from basic to nano", Colvilha, Portugalia, iulie 2014: https://www.ubi.pt/Ficheiros/Entidades/Universidade/Document_IP_PNBR_vs8.pdf.
3. Co-Cr-Mo Alloys Properties Improvement by Si Addition, 3rd International Conference on Advanced Material Engineering & Technology (ICAMET 2014) Duxton Hotel, Ho Chi Minh City, Vietnam, December 4-5, 2014
4. EXPERT SYSTEMS USED FOR THERMAL PROCESSES, 3rd International Conference Modern Technologies in Industrial Engineering (ModTech 2015) Flora Hotel, Mamaia, Romania, June 17-20, 2015
5. Characterization of Ti-Mo-Zr-Ta Alloys as Biomaterials (Romat 2016), București, România, November 9-12, 2016.

A3.2.2 Naționale

1. D.C. Achiței, P. Vizureanu, D.I. Dană, M.G. Minciună, V. Grancea, Study of aluminium bronze, Mark CuAl9Mn2, Tehnomus, ISSN-1224-029X, No. 20-2013, p. 172 - 177.

Structura activității
A3.2.3 Profesor invitat
<ol style="list-style-type: none"> 1. National Taiwan University of Science and Technology 2011 - 15,00 2. National Taiwan University of Science and Technology 2012 - 15,00 3. National Taiwan University of Science and Technology 2013 - 15,00 4. National Taiwan University of Science and Technology 2015 - 15,00 5. University Perlis Malaysia – 2015 - 15,00 6. National Taiwan University of Science and Technology 2016 - 15,00 7. University Perlis Malaysia – 2016 - 15,00 8. National Taiwan University of Science and Technology 2017 - 15,00
A3.3 Membru în colectivele de redacție sau comitete științifice al revistelor și manifestărilor științifice, organizator de manifestări științifice/ Recenzor pentru reviste și manifestări științifice naționale și internaționale indexate ISI
A3.3.1 ISI
<ol style="list-style-type: none"> 1. Recenzor Modtech. 5x5=25,00 2. Organizator ICAMET 2013, 2014, 2015. 3x10=30,00 3. Organizator ICIR 2015, 2016, 2017. 3x10=30,00 3. Membru Comitet științific ICAMET 2013, 2014, 2015, 2016, 2017. 5x10=50,00 4. Membru Comitet științific BRAMAT 2013, 2015, 2017. 3x10=30,00
A3.3.2 BDI
<ol style="list-style-type: none"> 1. Recenzor IIIS.ORG 2011 8x3=24,00 2. Recenzor IREME 6x3=18,00 3. Recenzor DEMSET 12x3=36,00 4. Recenzor Intech 3x3=9,00 5. Recenzor Ireheat 4x3=12,00 6. Recenzor ISJ 2x3=6,00 7. Recenzor IJMPT 2x3=6,00 8. Recenzor PCM 2014 6x3=18,00 9. Recenzor ASTR 1x3=3,00 10. Member of the Editorial board of the International Journal on Heat and Mass Transfer - Theory and Applications (IREHEAT http://www.praiseworthyprize.com/ireheat_editorial_board.htm) - 8,00 11. Membru in comitetul editorial Revista ATTIS - 8,00 12. Membru Comitet științific Euroinvent 2013, 2014, 2015, 2016, 2017- 2x8=16,00 13. Membru Comitet științific TEME 2013 Galați - 8,00 14. Organizator EUROINVENT 2012 – 2013 – 2014 – 2015 – 2016 - 2017 (6 editii) – 8x5 = 40,00 15. Comitet organizare - INTERNATIONAL CONFERENCE OF YOUNG RESEARCHERS, “NEW TRENDS IN ENVIRONMENTAL AND MATERIALS ENGINEERING” (TEME), 28 - 30 October 2013, GALAȚI, ROMANIA, http://www.fimm.ugal.ro/teme/index.php/committee 8,00
A3.3.3 Naționale și internaționale neindexate
A3.4 Experiența de management, analiza și evaluare în cercetare și/sau învățământ
A3.4.1 Conducere
<ol style="list-style-type: none"> 1. Presedinte Comisia de Etică a Universității Tehnice Iasi 2010-2012 4x2=8,00

Structura activității
2. Prodecan Facultate SIM 2008-2012 4x4=16,00 3. Director Departament TEPM 2012-2017 4x7=28,00
A3.4.2 Membru
1. Membru în echipa de evaluare externă pentru specializarea IPM, SIM, U.T Cluj-Napoca - 2,00 2. Membru în echipa de evaluare externă pentru specializarea IPM-Zalău, SIM, U.T Cluj-Napoca - 2,00
A3.5 Premii
A3.5.1 Academia Romana
A3.5.2 ASAS, AOSR, academii de ramura și CNCSIS
A3.5.3 Premii internaționale
<ol style="list-style-type: none"> 1. Medalia de Argint din partea Universitatii Stefan cel Mare Suceava, Pro Invent - Cluj Napoca, 2017 2. Medalia de argint National Research Council of Thailand, 2017 3. Medalia de aur si diploma de excelenta, Pro Invent - Cluj Napoca, 2017 4. Medalia de argint la Inova - Zagreb, Croatia, 2016 5. AGEPI PRIZE, State Agency on Intellectual Property la European Exhibition of Creativity and Innovation, 2015 6. Medalia de argint la European Exhibition of Creativity and Innovation, 2015 7. Medalia de aur la Macao International Innovation and Invention Expo 27-29 June 2014 8. Medalia de argint la Expoziția Internațională Specializată, Ediția a XIII-a, INFOINVENT, 19-22.11.2013, Chișinău, Moldova 9. Medalia de aur la 37th International Invention Show, 8-10 November 2012, Sibenik, Croatia 10. Medalia de aur la Euroinvent 12.05.2012, Iași, Romania 11. Medalia de aur la 2012 Korea Cyber International Genius Inventor Fair, 25.11.2012, Seoul, Korea 12. Medalia de aur la Euroinvent 14.05.2011, Iași, Romania 13. Ordinul de Merit pentru Invention Academics and Education, la World Inventor Award Festival 15.12.2014
A3.5.4 Premii naționale în domeniu
A3.6 Membru în academii, organizații, asociații profesionale de prestigiu, naționale și internaționale, apartenență la organizații din domeniul educației și cercetării
A3.6.1 Academia Romana
A3.6.2 ASAS, AOSR și academii de ramură
A3.6.3 Conducere asociații profesionale
A3.6.3.1 Internaționale
A3.6.3.2 Naționale
A3.6.4 Asociații profesionale
A3.6.4.1 Internaționale
<ol style="list-style-type: none"> 1. ASM International, U.S.A., de la 13.12.2007, legitimația nr. 542373 2. Materials Research Society, U.S.A. de la 01.01.2007
A3.6.4.2 Naționale
<ol style="list-style-type: none"> 1. AGIR, membru, legitimația nr. 58516. 2. Societatea de Științe Matematice din România, legitimația nr. 227 3. Asociația Turnătorilor din România 4. Forumul Inventatorilor Romani

Structura activității
5. Membru al Societații Române de Biomateriale din 2013
6. Membru al Asociației Profesionale ModTech Romania
A3.6.5 Organizații în Domeniul Educației Și Cercetării
1. Membru comitet științific AMCSIT București (2007-2009)
2. Membru în Consiliul Național de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU), Comisia de Ingineria Materialelor, 2016-2017
A3.6.5.1 Conducere
A3.6.5.2 Membru
1. Membru comitet științific AMCSIT București (2007-2009)

Data: 22.11.2018

Semnătura