

ANEXA

ARTICOLE STIINTIFICE ISI TH.R /WOS CORE COLLECTION

- 1). Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Tolea, F (Tolea, Felicia); Sampath, V (Sampath, Vedamanickam), Structural Change in Ni-Fe-Ga Magnetic Shape Memory Alloys after Severe Plastic Deformation, MATERIALS, Volume: 12, Issue: 12, Article Number: 1939, DOI: 10.3390/ma12121939, Published: JUN 2 2019,
- 2). Gurau, C (Gurau, C.); Gurau, G (Gurau, G.); Tolea, F (Tolea, F.); Sampath, V (Sampath, V), STRUCTURAL EVOLUTION OF THE NiTi/NiFeGa SMART HYBRID MATERIAL DURING SEVERE PLASTIC DEFORMATION, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, Volume: 14 Issue: 3 Pages: 539-546, Published: JUL-SEP 2019, Document Type: Article
- 3). Paleu, V (Paleu, V); Gurau, G (Gurau, G.); Comaneci, RI (Comaneci, R. I.); Sampath, V (Sampath, V); Gurau, C (Gurau, C.); Bujoreanu, LG (Bujoreanu, L. G.), A new application of Fe-28Mn-6Si-5Cr (mass%) shape memory alloy, for self-adjustable axial preloading of ball bearings, SMART MATERIALS AND STRUCTURES, Volume: 27 Issue: 7, Article Number: 075026, DOI: 10.1088/1361-665X/aac4c5, Published: JUL 2018, Document Type: Article
- 4). Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Sampath, V (Sampath, V.), Structural study and phase transformation of Cu-Al-Ni shape memory alloy produced by severe plastic deformation, INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, Volume: 25 Issue: 1 Pages: 5-10, Published: FEB 2018, Document Type: Article
- 5). Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Sampath, V (Sampath, Vedamanickam); Bujoreanu, LG (Bujoreanu, Leandru Gheorghe), Investigations of a nanostructured FeMnSi shape memory alloy produced via severe plastic deformation, INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, Volume: 23 Issue: 11 Pages: 1315-1322, DOI: 10.1007/s12613-016-1353-6, Published: NOV 2016, Document Type: Article
- 6). Iticescu, C (Iticescu, Catalina); Georgescu, LP (Georgescu, Lucian P.); Gurau, G (Gurau, Gheorghe); Murarescu, M (Murarescu, Monica); Dima, D (Dima, Dumitru); Murariu, G (Murariu, Gabriel); Gheorghies, C (Gheorghies, Constantin), METHODS TO REDUCE ENVIRONMENTAL IMPACT OF MUNICIPAL WASTE WATER SEWAGE SLUDGE, ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, Volume: 14 Issue: 10 Pages: 2457-2463, Published: OCT 2015, Document Type: Article
- 7). Bujoreanu, LG (Bujoreanu, L. G.); Comaneci, RI (Comaneci, R. I.); Gurau, G (Gurau, G.); Lohan, NM (Lohan, N. M.); Suru, MG (Suru, M. G.); Pricop, B (Pricop, B.); Goanta, V (Goanta, V.); Musat, V (Musat, V.); Istrate, B (Istrate, B.); Mihalache, E (Mihalache, E.), Thermomechanical training effects of multifunctional modules processed by high-speed high pressure torsion, INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, Volume: 22 Issue: 4 Pages: 367-375, Published: AUG 2015, Document Type: Article
- 8). Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Potecasu, O (Potecasu, Octavian); Alexandru, P (Alexandru, Petrica); Bujoreanu, LG (Bujoreanu, Leandru-Gheorghe), Novel High-Speed High Pressure Torsion Technology for Obtaining Fe-Mn-Si-Cr Shape Memory Alloy Active Elements, JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, Volume: 23 Issue: 7 Pages: 2396-2402 Special Issue: SI, DOI: 10.1007/s11665-014-1060-2, Published: JUL 2014, Document Type: Article
- 9). Gurau, G (Gurau, G.); Gurau, C (Gurau, C.); Braz-Fernandes, FM (Braz-Fernandes, F. M.); Bujoreanu, LG (Bujoreanu, L. G.), An experimental study on the response of equal channel angular pressed aluminium subjected to cold rolling, INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, Volume: 21 Issue: 3 Pages: 253-258 Special Issue: SI, Published: JUN 2014, Document Type: Article
- 10). Dumitru, FD (Dumitru, Florina-Diana); Ghiban, B (Ghiban, Brandusa); Cabrera, JM (Cabrera, Jose-Maria); Higuera-Cobos, OF (Higuera-Cobos, Oscar-Fabian); Gurau, G (Gurau, Gheorghe); Ghiban, N (Ghiban, Nicolae), Calorimetric Analysis of a Mg-Zn-Zr Alloy Processed by Equal Channel Angular Pressing via Route A, BIOMMEDD V, Book Series: Key Engineering Materials, Volume: 583 Pages: 32-DOI: 10.4028/www.scientific.net/KEM.583.32, Published: 2014
- 11). Dumitru, FD (Dumitru, Florina-Diana); Ghiban, B (Ghiban, Brandusa); Cabrera-Marrero, JM (Cabrera-Marrero, Jose Maria); Higuera-Cobos, OF (Higuera-Cobos, Oscar-Fabian); Gurau, G (Gurau, Gheorghe); Ghiban, N (Ghiban, Nicolae), MICROSTRUCTURAL, THERMICAL AND MECHANICAL CHARACTERISATION OF ZK60 ALLOY PROCESSED THROUGH ECAP, METALURGIA INTERNATIONAL, Volume: 18 Pages: 33-36 Special Issue: 2, Published: 2013, Document Type: Article
- 12). C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Alexandru, P (Alexandru, Petrica); Ghiban, N (Ghiban, Nicolae), ULTRAFINE MICROSTRUCTURES OF STEEL X60 INDUCED BY SEVERE PLASTIC DEFORMATION, METALURGIA INTERNATIONAL, Volume: 18 Pages: 37-41 Special Issue: 2 Published: 2013, Document Type: Article
- 13). Mahesh, KK (Mahesh, K. K.); Fernandes, FMB (Braz Fernandes, F. M.); Gurau, G (Gurau, G.), Stability of thermal-induced phase transformations in the severely deformed equiatomic Ni-Ti alloys, JOURNAL OF MATERIALS SCIENCE, Volume: 47 Issue: 16 Pages: 6005-6014, DOI: 10.1007/s10853-012-6508-x, Published: AUG 2012, Document Type: Article
- 14). Fernandes, FMB (Braz Fernandes, F. M.); Gurau, C (Gurau, Carmela); Mahesh, KK (Mahesh, K. K.); Silva, RJC (Cordeiro Silva, Rui J.); Gurau, G (Gurau, Gheorghe) STRUCTURAL STUDY OF EXTRUDED CuAl1(3)Ni(4) SHAPE MEMORY ALLOY, METALURGIA INTERNATIONAL, Volume: 16 Issue: 9 Pages: 19-23, Published: 2011, Document Type: Article

- 15).Gurau, C (Gurau, Carmela) ; Drugescu, E (Drugescu, Elena); Gurau, G (Gurau, Gheorghe); Cananau, N (Cananau, Nicolae), HEAT TREATMENTS ON THE 13% ALUMINUM COPPER BASED SHAPE MEMORY ALLOY, METALURGIA INTERNATIONAL, Volume: 14 Issue: 12 Pages: 16-20, Published: 2009, Document Type:Article
- 16). Cananau, N (Cananau, N.) ; Gurau, C (Gurau, C.); Gurau, G (Gurau, Gh.) TERMODYMANIC CONSIDERATIONS AT THE SEVERE PLASTIC DEFORMATION, METALURGIA INTERNATIONAL, Volume: 14 Pages: 73-76, Published: 2009, Document Type:Article
- 17). Gurau, G (Gurau, G.); Gurau, C (Gurau, C.); Bujoreanu, LG (Bujoreanu, L. G.); Sampath, V (Sampath, V.), A Versatile Method for Nanostructuring Metals, Alloys and Metal Based Composites, INTERNATIONAL CONFERENCE ON INNOVATIVE RESEARCH - ICIR EUROINVENT 2017, Edited by: Sandu, AV; Abdullah, MMA; Vizureanu, P; Ghazali, CMR; Sandu, I, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 209
Article Number: UNSP 012036, DOI: 10.1088/1757-899X/209/1/012036, Published: 2017, Document Type:Proceedings Paper
- 18). Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Sampath, V (Sampath, V.); Silva, RC (Silva, Rui Cordeiro), INFLUENCE OF THERMOMECHANICAL TREATMENTS ON CHARACTERISTIC OF CuAlNi SHAPE MEMORY ALLOY, NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE FUTURE CONFERENCE PROCEEDINGS, SGEM 2016, VOL I, Book Group Author(s):SGEM, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Pages: 175-182, Published: 2016, Document Type:Proceedings Paper
- 19). Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Alexandru, P (Alexandru, Petrica), INVESTIGATION OF THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF Cu/Al MULTILAYER FABRICATED BY SEVERE PLASTIC DEFORMATION, NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE FUTURE CONFERENCE PROCEEDINGS, SGEM 2016, VOL I, Book Group Author(s):SGEM, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Pages: 199-206, Published: 2016, Document Type:Proceedings Paper
- 20). Bujoreanu, LG (Bujoreanu, Leandru-Gheorghe); Goanta, V (Goanta, Viorel); Cimpoesu, N (Cimpoesu, Nicanor); Gurau, C (Gurau, Carmela); Suru, MG (Suru, Marius-Gabriel); Mihalache, E (Mihalache, Elena); Gurau, G (Gurau, Gheorghe), Hardness-gradient reversion in FeMnSiCr shape memory alloy modules produced by high-speed high pressure torsion, ESOMAT 2015 - 10TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS, Edited by:Schryvers, N; VanHumbecck, J, Book Series: MATEC Web of Conferences, Volume: 33, Article Number: UNSP 04001, DOI: 10.1051/mateconf/20153304001, Published: 2015, Document Type:Proceedings Paper
- 21). Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Sampath, V (Sampath, V.); Musat, V (Musat, Viorica), Effects of HSHPT on the martensitic transformation behaviour of an NiTi alloy, ESOMAT 2015 - 10TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS, Edited by:Schryvers, N; VanHumbecck, J, Book Series: MATEC Web of Conferences, Volume: 33, Article Number: 03007, DOI: 10.1051/mateconf/20153303007, Published: 2015, Document Type:Proceedings Paper
- 22). Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Sampath, V (Sampath, V.), Investigation of microhardness evolution in an ultrafine grained NiTi alloy formed via high speed high pressure torsion (HSHPT), , ESOMAT 2015 - 10TH EUROPEAN SYMPOSIUM ON MARTENSITIC TRANSFORMATIONS, Edited by:Schryvers, N; VanHumbecck, J, Book Series: MATEC Web of Conferences, Volume: 33, Article Number: 03003, DOI: 10.1051/mateconf/20153303003, Published: 2015, Document Type:Proceedings Paper
- 23). Pricop, B (Pricop, B.) ; Soyler, U (Soyler, U.); Ozkal, B (Ozkal, B.); Suru, MG (Suru, M. G.); Lohan, NM (Lohan, N. M.); Comaneci, RI (Comaneci, R. I.); Cimpoesu, N (Cimpoesu, N.); Musat, V (Musat, V.); Gurau, G (Gurau, G.); Istrate, B (Istrate, B.), A study of martensite formation in powder metallurgy Fe-Mn-Si-Cr-Ni shape memory alloys, MATERIALS TODAY-PROCEEDINGS, Volume: 2 Pages: 789-792 Supplement: 3, DOI: 10.1016/j.matpr.2015.07.400, Published: 2015, Document Type:Proceedings Paper
- 24). Gurau, G (Gurau, G.); Gurau, C (Gurau, C.); Fernandes, FMB (Fernandes, F. M. B.); Bujoreanu, LG (Bujoreanu, L. G.), Effect of high speed high pressure torsion parameters on grain refinement of coned shape Fe based SMA active elements, MATERIALS TODAY-PROCEEDINGS, Volume: 2 Pages: 897-900 Supplement: 3, DOI: 10.1016/j.matpr.2015.07.426, Published: 2015, Document Type:Proceedings Paper
- 25). Gurau, C (Gurau, C.); Gurau, G (Gurau, G.); Bujoreanu, LG (Bujoreanu, L. G.); Fernandes, FMB (Fernandes, F. M. B.), A comparative study of austenitic structure in NiTi and Fe based shape memory alloys after severe plastic deformation, MATERIALS TODAY-PROCEEDINGS, Volume: 2 Pages: 905-908 Supplement: 3, DOI: 10.1016/j.matpr.2015.07.428, Published: 2015, Document Type:Proceedings Paper
- 26). Gurau, G (Gurau, Gheorghe); Alexandru, P (Alexandru, Petrica); Musat, V (Musat, Viorica)[1] ; Gurau, L (Gurau, Liviu), A COMPARISON OF THE STRUCTURE AND PROPERTIES OF HSLA STEEL COLD ROLLED AND SEVERE PLASTIC DEFORMED BY HIGH SPEED HIGH PRESSURE TORSION, GEOCONFERENCE ON NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE FUTURE, VOL I (SGEM 2014), Book Group Author(s):SGEM, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Pages: 3-10, Published: 2014, Document Type:Proceedings Paper
- 27). Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Fernandes, FMB (Braz Fernandes, Francisco Manuel), EFFECT OF SEVERE AUSFORMING ON THE SHAPE MEMORY MICROSTRUCTURE OF A COPPER BASED ALLOY, GEOCONFERENCE ON NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE

- FUTURE, VOL I (SGEM 2014), Book Group Author(s):SGEM, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Pages: 61-68, Published: 2014, Document Type:Proceedings Paper
- 28). Gurau, G (Gurau, Gheorghe); Gurau, C (Gurau, Carmela); Bujoreanu, LG (Bujoreanu, Leandru-Gheorghe); Fernandes, FMB (Braz Fernandes, Francisco Manuel), HIGH SPEED HIGH PRESSURE TORSION EFFECTS ON A DIFFICULT DEFORMABLE SHAPE MEMORY ALLOY, GEOCONFERENCE ON NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE FUTURE, VOL I (SGEM 2014), Book Group Author(s):SGEM, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Pages: 93-99, Published: 2014, Document Type:Proceedings Paper
- 29). Gurau, C (Gurau, Carmela); Gurau, G (Gurau, Gheorghe); Potecasu, F (Potecasu, Florentina), THE LONG TERM CORROSION BEHAVIOR OF A SHAPE MEMORY ALLOY IN SEAWATER SUBJECTED TO VARIOUS PLASTIC DEFORMATION PROCESSES
GEOCONFERENCE ON NANO, BIO AND GREEN - TECHNOLOGIES FOR A SUSTAINABLE FUTURE, VOL I (SGEM 2014), Book Group Author(s):SGEM, Book Series: International Multidisciplinary Scientific GeoConference-SGEM, Pages: 173-180, Published: 2014, Document Type:Proceedings Paper,
- 30). Dumitru, FD (Dumitru, Florina-Diana); Ghiban, B (Ghiban, Brandusa) ; Cabrera, JM (Cabrera, Jose Maria); Higuera-Cobos, OF (Higuera-Cobos, Oscar-Fabian); Gurau, G (Gurau, Gheorghe); Ghiban, N (Ghiban, Nicolae), Microstructural and Calorimetric Analysis of ZK60 Alloy Processed by ECAP, MATERIALS AND STRUCTURES, Edited by:Karama, M; Nassiet, V, Book Series: Advanced Materials Research, Volume: 682 Pages: 169-175, DOI: 10.4028/www.scientific.net/AMR.682.169, Published: 2013, Document Type:Article; Book Chapter
- 31). Mahesh, KK (Mahesh, K. K.); Fernandes, FMB (Fernandes, F. M. Braz); Silva, RJC (Silva, R. J. C.); Gurau, G (Gurau, G.), Phase transformation and structural study on the severely plastic deformed Ni-Ti alloys, 3RD INTERNATIONAL SYMPOSIUM ON SHAPE MEMORY MATERIALS FOR SMART SYSTEMS/E-MRS 2010 SPRING MEETING,
Edited by:Kohl, M; Chernenko, V, Book Series: Physics Procedia, Volume: 10 Pages: 22-27
DOI: 10.1016/j.phpro.2010.11.069, Published: 2010, Document Type:Proceedings Paper
- 32). Mahesh, KK (Mahesh, Karimbi K.); Fernandes, FMB (Braz Fernandes, Francisco M.); Gurau, G (Gurau, Gheorghe), Phase Transformation in Ni-Ti Shape Memory and Superelastic Alloys Subjected to High Pressure Torsion, MULTI-FUNCTIONAL MATERIALS AND STRUCTURES III, PTS 1 AND 2, Book Author(s):Lee, JH (Lee, JH), Book Series: Advanced Materials Research, Volume: 123-125 Pages: 1007, DOI: 10.4028/www.scientific.net/AMR.123-125.1007, Published: 2010, Document Type:Proceedings Paper
- 33). Fernandes, FMB (Fernandes, Francisco M. Braz)[1] ; Mahesh, KK (Mahesh, Karimbi K.)[1] ; Silva, RJC (Silva, Rui J. C.)[1] ; Gurau, C (Gurau, Carmela)[2] ; Gurau, G (Gurau, Gheorghe), XRD study of the transformation characteristics of severely plastic deformed Ni-Ti SMAs, PHYSICA STATUS SOLIDI C - CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 7 NO 5, Edited by:Stutzmann, M; Hildebrandt, S, Book Series: Physica Status Solidi C-Current Topics in Solid State Physics, Volume: 7 Issue: 5 Pages: 1348-1350, DOI: 10.1002/pssc.200983371, Published: 2010,
Document Type:Proceedings Paper

ARTICOLE ÎN REVISTE ȘI VOLUMELE UNOR MANIFESTĂRI ȘTIINȚIFICE INDEXATE ÎN ALTE BAZE DE DATE INTERNAȚIONALE [BDI]

- 1). Gurau, G., Gurau, C., Gurau, L., Achieving ultra-fine grained microalloyed steel by severe plastic process, 2019, IOP Conference Series: Materials Science and Engineering 485(1), 012009,
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85063867814&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&sof=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=3&citeCnt=0&searchTerm=>
- 2). Popa, M., Pricop, B., Comaneci, R.-I., Gurau, G, Vollmer, M., Krooss, P, Niendorf, T., Bujoreanu, L.-G., Processing effects on tensile superelastic behaviour of Fe_{43.5}Mn₃₄Al₁₅ ± XNi_{7.5} shape memory alloys, 2019, IOP Conference Series: Materials Science and Engineering 591(1), 012026,
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85072100027&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&sof=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=0&citeCnt=0&searchTerm=>
- 3). Potecasu, F., Gurau, G., Busila, M. 8th International Conference on Material Science and Engineering, 2019, IOP Conference Series: Materials Science and Engineering 485(1), 011001
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85063860095&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&sof=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=4&citeCnt=0&searchTerm=>
- 4). Gurau, C., Gurau, G., Alexandru, P., Basliu, V., Formation of submicrocrystalline structure in a biodegradable Mg alloy, 2019, IOP Conference Series: Materials Science and Engineering 485(1), 012010
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85063895045&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&sof=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=5&citeCnt=0&searchTerm=>

- 5). Filimon, V., Borda, D., Gurău, G., Butan, S, Alexe, P., Stoica, M., Study on the changes induced by the Pressure-Assisted Thermal Processing (PATP) in polymer films used as packaging by the meat industry, 2019, IOP Conference Series: Materials Science and Engineering 485(1),012007
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85063861183&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&soi=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=6&citeCnt=0&searchTerm=>
- 6). Marin, F.B., Marin, M., Gurău, C., Gurău, G., Artificial neural network (ANN) application to predict the mechanical properties in some iron-based powder metallurgy alloys, 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 19(2.1), pp. 115-121
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85073333778&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&soi=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=7&citeCnt=0&searchTerm=>
- Marin, M., Marin, F.B., Gurău, C., Gurău, G., Use of artificial neural network in prediction the wear resistance of some iron- based powder metallurgy , 2019, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 19(2.1), pp. 689-696
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85073333778&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&soi=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=7&citeCnt=0&searchTerm=>
- 7). Gurau, G., Gurau, C., Marin, M., Marin, F.B., On deformation behaviour and microstructural change of cu-9.51al-3.81ni alloy, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 18(6.1), pp. 363-370
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85058882598&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&soi=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=10&citeCnt=0&searchTerm=>
- 8). Gurau, C., Gurau, G., Gurau, L., Marin, M., Marin, F.B., Composition effects and thermomechanical treatments on mechanical and structural performance of s420nl steel, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 18(6.1), pp. 131-138
<https://www.scopus.com/record/display.uri?eid=2-s2.0-8505888335&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&soi=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=12&citeCnt=0&searchTerm=>
- 9). Marin, F.B., Marin, M., Gurău, G., Gurău, C., Petrică, A., Application of an artificial neural network for prediction of the wear resistance of sintered iron alloys, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18(6.1), pp. 55-60
- 10). Marin, M., Marin, F.B., Gurău, C., Gurău, G., Alexandru, P., Experimental and prediction of porosity in some sintered iron-based powder metallurgy materials by using artificial neural networks, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM, 18(6.1), pp. 207-212
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85058878610&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&soi=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=13&citeCnt=0&searchTerm=>
- 11). Marin, F.B., Marin, M., Gurău, G., Gurău, C., Petrea, I., Image processing analysis of porosity in some iron-based powder metallurgy materials, 2018, International Multidisciplinary Scientific GeoConference Surveying Geology and Mining Ecology Management, SGEM 18(6.1), pp. 235-242,
<https://www.scopus.com/record/display.uri?eid=2-s2.0-85058870820&origin=resultslist&sort=plf-f&src=s&sid=b16a2dc37b44958b199d1c4846b294b6&soi=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=15&citeCnt=0&searchTerm=>
- 12) C. Gurău, G. Gurău, L. Gurău, P. Alexandru , Fabrication of ultrafine low carbon metallic multilayer by accumulative roll bonding process, , THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATI, Fascicle IX, METALLURGY AND MATERIALS SCIENCE YEAR XXXII (XXXVII), Dec. 2014, no. 4, pp 14-20, ISSN 1453-083X, GALATI UNIVERSITY PRESS,
<http://www.sim.ugal.ro/Anale/Anale%20nr4-2014.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 13) Ovidiu DIMA, Petrică ALEXANDRU, Gheorghe GURĂU, Vlad Gabriel, VASILESCU, Elisabeta VASILESCU - Studies and Research on Treatment of Titanium Alloys, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.1 – 2014, pag81-86,
<http://www.sim.ugal.ro/Anale/2014-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 14) Dumitru, F.-D., Ghiban, N., Gurău, G, Structural characterization of ZK60 alloy subjected to ECAP process - Route A, UPB Scientific Bulletin, Series B: Chemistry and Materials Science, Chemistry and Material Science, vol 51, Issue 1, 2013, pages 201-208 <http://www.scopus.com/inward/record.url?eid=2-s2.0-84874392459&partnerID=tZ0tx3y1>

- <https://www.scopus.com/authid/detail.url?authorId=36716151700>
http://www.scientificbulletin.upb.ro/rev_docs_arhiva/rezc34_991669.pdf
- 15) I Gurau, G Gurau, Gurau C, Copper Based Shape Memory Alloy a Modern Opportunity to Change Classic Casting Dental Alloys, Wiley Online Library, TMS2013 Supplemental Proceedings, 25 FEB 2013, DOI: 10.1002/9781118663547.ch123, p 999-1006
<http://onlinelibrary.wiley.com/doi/10.1002/9781118663547.ch123/summary>
- 16) Leandru Gheorghe Bujoreanu, Iulia Spiridon, Marius Suru, Gigi Vitel, Adrian Paraschiv, Monica Lohan, Bogdan Istrate, G Gurau, Atomic Migration Intensification As An Effect Of Thermomechanical Cycling In Shape Memory Actuators, SMST mai 2013, Praga
<https://asm.confex.com/asm/sms13/webprogram/Paper33465.html>
- 17) G Gurău, Carmela Gurău, Octavian Potecașu, Petrică Alexandru, High Pressure Torsion Technology For Obtaining Fe Mn Si Cr Active Elements, SMST mai 2013, Praga
<https://asm.confex.com/asm/sms13/webprogram/Paper33439.html>
- 18) C Gurău, G Gurău, Leandru Gheorghe Bujoreanu, High Pressure Torsion Effects On Shape Memory Behavior of Fe Mn Si Cr Alloys, SMST mai 2013, Praga
<https://asm.confex.com/asm/sms13/webprogram/Paper33437.html>
- 19) F.-D. Dumitru, N. Ghiban, G. Gurău, Structural characterization of ZK60 alloy subjected to ECAP process - route A, U.P.B. Sci. Bull., series B, indexat Ulrichs International Periodicals Directory, Inspec, Scopus, Cambridge Scientific Abstracts, Chemical Abstracts Service - Division Of American Chemical Society, Elsevier Sciences S Bibliographic Databases, Metals Abstracts, Engineering Village, Publication In Engineering, Metadex, Compendex
<https://www.scopus.com/record/display.uri?eid=2-s2.0-84874392459&origin=resultslist&sort=plf-f&src=s&sid=8f0286886d74410ba4a6b6de0aadd5f&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=35&citeCnt=2&searchTerm=>
- 20) Carmela GURAU, G GURAU - Evolution of Copper Microstructure Subjected to Equal Channel Angular Pressing, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.3 – 2012, pag36-45, <http://www.sim.ugal.ro/Anale/2012-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 21) G GURAU, Carmela GURAU - Microstructural Evolution of Al 1100 Aluminum Subjected to Severe Plastic Deformation, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.2 – 2012, pag10-19, <http://www.sim.ugal.ro/Anale/2012-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 22) Carmela Gurau, G Gurau, Francisco Manuel Braz Fernandes – The Johnson-Mehl-Avrami Model Applied to Martensitic Kinetics in Ausformed Cooper Based Shape Memory Alloy, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.1 – 2011, pag36-42, <http://www.sim.ugal.ro/Anale/2011-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 23) G GURAU, Carmela GURAU, Nicolae CANANAU, Florentina POTECASU, Influence of ecap passes on spd process parameters and material properties, [Metalurgia (Bucharest)]. no. 5, pp. 44-50. 2011, <https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=04619579&asa=Y&AN=64366909&h=EBvkljJr02BfXt2gM2KafprC74DUgBgTDMaSvFswYoVbcUQ1vtMXOfrcYSxhTSgdgos%2f4whaZtIVJCBVV%2b9YQ%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d04619579%26asa%3dY%26AN%3d64366909>
- 24) Gurau C, Gurau G, FM Braz Fernandes, RJ Silva, Effects of ausforming temperatures of a shape memori alloy with DO3 structure, Metalurgia No. 7 2011, p 5-12, ISSN 0461-9579, <https://web.a.ebscohost.com/abstract?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=04619579&asa=Y&AN=65647828&h=y6hLqUkOfYOyOKCmzBa%2f63y9FwD3BJ9CgcwEHAzy5r%2fBBSOVXPLrmyPCPpO2JQA0EGGabr2PvXoLf9s36ebag%3d%3d&crl=c&resultNs=AdminWebAuth&resultLocal=ErrCrlNotAuth&crlhashurl=login.aspx%3fdirect%3dtrue%26profile%3dehost%26scope%3dsite%26authtype%3dcrawler%26jrnl%3d04619579%26asa%3dY%26AN%3d65647828>
- 25) Gurau, C, Gurau, G, FM Braz Fernandes, DSC study on shape meory effect in ausformed cooper based shape memory alloy, Metalurgia (Bucharest) [Metalurgia (Bucharest)]. no. 3, pp. 20-27. 2011. <https://search.proquest.com/openview/40cab98e77db3ac07bde1330b08f8f6e/1?pq-origsite=gscholar&cbl=886384>
- 26) Gurau G, F M Braz Fernandes, Gurau C, KK Mahesh, RJ Cordeiro Silva, High pressure torsion (HPT) applied on Cu-Al-Ni shape memory alloy Metalurgia (Bucharest) [Metalurgia (Bucharest)]. no. 3, pp. 5-12. 2011, <https://search.proquest.com/openview/40cab98e77db3ac0db4352993ca222a3/1?pq-origsite=gscholar&cbl=886384>
- 27) Karimbi K. Mahesh, Francisco M. Braz Fernandes, Gheorghe Gurau, Phase Transformation in Ni-Ti Shape Memory and Superelastic Alloys Subjected to High Pressure Torsion Advanced Materials Research, 2010 (Volumes 123 - 125), p.1007-1010, DOI 0.4028 /www.scientific.net/ AMR. 123-125.1007, <https://www.scopus.com/record/display.uri?eid=2-s2.0-78650787170&origin=resultslist&sort=plf-f&src=s&sid=b3a86e8e6ef8f537c8483cea9684a533&sot=autdocs&sdt=autdocs&sl=18&s=AU-ID%2836716151700%29&relpos=42&citeCnt=2&searchTerm=>
- 28) Carmela Gurau, G Gurau - Effects of Plastic Deformation and Temperature on Microstructural and Mechanical

- Properties of a Cu Al Ni Shape Memory Alloy, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.2 – 2009, pag121-125, <http://www.sim.ugal.ro/Anale/2009-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 29) C Gurău, G Gurău, Nicolae Canănău, Florentina Potecașu, Victor Dogaru, F.M.Braz Fernandes - The Temperature Effect on Severely Deformed Aluminium by High Pressure Torsion, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.2 – 2009, pag8-11, <http://www.sim.ugal.ro/Anale/2009-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 30) .Nicolae Canănău, Petrică Alexandru, Liviu Gurău, Gheorghe Gurău - Establishing the Constitutive Law of a CrMo Alloyed Steel, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.2 – 2009, pag5-7, <http://www.sim.ugal.ro/Anale/2009-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 31) G Gurau, Carmela Gurau, Dinel Tanase - Severe Plastic Deformed Pure Aluminum by Equal Channel Angular Pressing, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.1 – 2009, pag166-168, <http://www.sim.ugal.ro/Anale/2009-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 32) Nicolae Canănău, Petrică Alexandru, Liviu Gurău, G Gurău – Researches on the Viscoplastic Behavior of a CrMo Alloyed Steel, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.1 – 2009, pag23-26, <http://www.sim.ugal.ro/Anale/2009-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 33) Carmela GURAU, G GURAU, F. M. Braz FERNANDES - X-Ray Diffraction Study of the Reverse Martensitic Transformation In Cu-Al-Ni Shape Memory Alloy, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.2 – 2008, pag37-40, <http://www.sim.ugal.ro/Anale/2008-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 34) Nicolae CANANAU, Petrica ALEXANDRU, Ionel PETREA, G GURAU, On the Constitutive Equation of a Low Carbon Steel, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.2 – 2008, pag17-20, <http://www.sim.ugal.ro/Anale/2008-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 35) Carmela GURAU, G GURAU, Nicolae CANANAU - Study of Severe Plastic Deformation by Torsion Test, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.1 – 2008, pag65-67
<http://www.sim.ugal.ro/Anale/2008-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 36) Nicolae CANANAU, Petrica ALEXANDRU, G GURAU, Ionel PETREA -Researches Concerning the Deformation Behaviour of Low Carbon Steel, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.1 – 2008, pag47-50, <http://www.sim.ugal.ro/Anale/2008-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 37) G GURAU, Carmela GURAU, Dinel TANASE, Elena Drugescu – Severe Plastic Deformation an Advanced Method for Nanostructuring Shape Memory Alloys, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.2 – 2007, pag111-115, <http://www.sim.ugal.ro/Anale/2007-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 38) .Carmela GURĂU, G GURĂU, Petrică ALEXANDRU, Nicolae CANĂNĂU- Two-way Shape Memory Effect in a Cu-13wt. %Al-4 wt.%Ni Shape Memory Alloy by the Thermo - Mechanical Cycling Method, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.1 – 2007, pag94-96, <http://www.sim.ugal.ro/Anale/2007-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 39) Nicolae CANĂNĂU, Petrică ALEXANDRU, G GURĂU – Experimental Researches on the Constitutive Equation of Concrete Steel With Superior Characteristics, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.1 – 2007, pag46-49, <http://www.sim.ugal.ro/Anale/2007-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 40) G Gurau, Carmela Gurau, N. Andronache - Kinetic of Martensite Transformation in a Cu-13wt. %Al-4 wt.%Ni Shape Memory Alloy, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 – 083X. vol.2 – 2006, pag.95-97, <http://www.sim.ugal.ro/Anale/2006-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>
- 41) Nicolae Cananau, G Gurau, Petrica Alexandru, Gheorghe Corobete , Experimental Equation of Deformation

Behaviour of a Concrete Steel, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 - 083X. vol.2 - 2006, pag.23-26, <http://www.sim.ugal.ro/Anale/2006-Annals-vol-2.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>

42) Carmela Gurău, G Gurău - Processing Smart Wires from Cu-Al-Ni System, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 - 083X. vol.1 - 2006, pag.27-30, <http://www.sim.ugal.ro/Anale/2006-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>

43).Nicolae Cănanău, Petrică Alexandru, G Gurău, Adriana Preda - Researches Concerning the Correlation of the Semiplanetary Rolling Process Factors, THE ANNALS OF "DUNAREA DE JOS" UNIVERSITY OF GALATIFASCICLE IX METALLURGY AND MATERIALS SCIENCE, ISSN 1453 - 083X. vol.1 - 2006, pag.27-30, <http://www.sim.ugal.ro/Anale/2006-Annals-vol-1.pdf>
<http://www.ebscohost.com/titleLists/a9h-journals.pdf>