

Gheorghe Gurau

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Using High Speed High Pressure Torsion for Cu-13Al-4Ni Shape Memory Alloy Processing. Transactions of the Indian Institute of Metals, 2021, 74, 2459-2469.	1.5	0
2	Martensitic Transformation and Magnetic Properties of Ni57Fe18Ga25 Shape Memory Alloy Subjected to Severe Plastic Deformation. Transactions of the Indian Institute of Metals, 2021, 74, 2491-2498.	1.5	3
3	Optimization of fuel briquette production from cassava peels, plantain peels and corn cobs. Journal of Material Cycles and Waste Management, 2021, 23, 1905-1917.	3.0	7
4	The Effect of the In-Situ Heat Treatment on the Martensitic Transformation and Specific Properties of the Fe-Mn-Si-Cr Shape Memory Alloys Processed by HSHPT Severe Plastic Deformation. Materials, 2021, 14, 4621.	2.9	3
5	Structural Characteristics of Multilayered Ni-Ti Nanocomposite Fabricated by High Speed High Pressure Torsion (HSHT). Metals, 2020, 10, 1629.	2.3	7
6	The Influence of Severe Plastic Deformation on Microstructure and In Vitro Biocompatibility of the New Ti-Nb-Zr-Ta-Fe-O Alloy Composition. Materials, 2020, 13, 4853.	2.9	9
7	Effects of Thermomechanical Processing on the Microstructure and Mechanical Properties of Fe-Based Alloys. Journal of Materials Engineering and Performance, 2020, 29, 2274-2282.	2.5	4
8	EXPERIMENTAL AND PREDICTION THE CORROSION RESISTANCE OF SOME SINTERED IRON ALLOYS SUBJECTED TO A THERMOCHEMICAL TREATMENT BY USING ARTIFICIAL NEURAL NETWORKS. , 2020, , .		0
9	WEED SPECIES IMAGE RECOGNITION USING DEEP LEARNING TECHNIQUE FOR SELECTIVE SPOT SPRAYING. , 2020, , .		0
10	Structural Change in Ni-Fe-Ga Magnetic Shape Memory Alloys after Severe Plastic Deformation. Materials, 2019, 12, 1939.	2.9	9
11	A new application of Fe-28Mn-6Si-5Cr (mass%) shape memory alloy, for self-adjustable axial preloading of ball bearings. Smart Materials and Structures, 2018, 27, 075026.	3.5	17
12	ON DEFORMATION BEHAVIOUR AND MICROSTRUCTURAL CHANGE OF CU-9.51AL-3.81NI ALLOY. , 2018, , .		0
13	A Versatile Method for Nanostructuring Metals, Alloys and Metal Based Composites. IOP Conference Series: Materials Science and Engineering, 2017, 209, 012036.	0.6	6
14	Investigations of a nanostructured FeMnSi shape memory alloy produced via severe plastic deformation. International Journal of Minerals, Metallurgy and Materials, 2016, 23, 1315-1322.	4.9	10
15	Investigation of microhardness evolution in an ultrafine grained NiTi alloy formed via high speed high pressure torsion (HSHT). MATEC Web of Conferences, 2015, 33, 03003.	0.2	3
16	Effects of HSHT on the martensitic transformation behaviour of an NiTi alloy. MATEC Web of Conferences, 2015, 33, 03007.	0.2	0
17	Hardness-gradient reversion in FeMnSiCr shape memory alloy modules produced by high-speed high pressure torsion. MATEC Web of Conferences, 2015, 33, 04001.	0.2	2
18	Effect of High Speed High Pressure Torsion Parameters on Grain Refinement of Coned Shape Fe Based SMA Active Elements. Materials Today: Proceedings, 2015, 2, S897-S900.	1.8	2

#	ARTICLE	IF	CITATIONS
19	A Study of Martensite Formation in Powder Metallurgy Fe-Mn-Si-Cr-Ni Shape Memory Alloys. Materials Today: Proceedings, 2015, 2, S789-S792.	1.8	9
20	A Comparative Study of Austenitic Structure in NiTi and Fe Based Shape Memory Alloys after Severe Plastic Deformation. Materials Today: Proceedings, 2015, 2, S905-S908.	1.8	7
21	METHODS TO REDUCE ENVIRONMENTAL IMPACT OF MUNICIPAL WASTE WATER SEWAGE SLUDGE. Environmental Engineering and Management Journal, 2015, 14, 2457-2463.	0.6	5
22	Novel High-Speed High Pressure Torsion Technology for Obtaining Fe-Mn-Si-Cr Shape Memory Alloy Active Elements. Journal of Materials Engineering and Performance, 2014, 23, 2396-2402.	2.5	25
23	HIGH SPEED HIGH PRESSURE TORSION EFFECTS ON A DIFFICULT DEFORMABLE SHAPE MEMORY ALLOY. , 2014, , .		0
24	A COMPARISON OF THE STRUCTURE AND PROPERTIES OF HSLA STEEL COLD ROLLED AND SEVERE PLASTIC DEFORMED BY HIGH SPEED HIGH PRESSURE TORSION. , 2014, , .		0
25	Calorimetric Analysis of a Mg-Zn-Zr Alloy Processed by Equal Channel Angular Pressing via Route A. Key Engineering Materials, 2013, 583, 32-35.	0.4	1
26	Microstructural and Calorimetric Analysis of ZK60 Alloy Processed by ECAP. Advanced Materials Research, 2013, 682, 169-175.	0.3	0
27	Stability of thermal-induced phase transformations in the severely deformed equiatomic Ni-Ti alloys. Journal of Materials Science, 2012, 47, 6005-6014.	3.7	16
28	XRD study of the transformation characteristics of severely plastic deformed Ni-Ti SMAs. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1348-1350.	0.8	10
29	Phase Transformation in Ni-Ti Shape Memory and Superelastic Alloys Subjected to High Pressure Torsion. Advanced Materials Research, 2010, 123-125, 1007-1010.	0.3	2
30	Processing effects on tensile superelastic behaviour of Fe _{43.5} Mn ₃₄ Al ₁₅ ±XNi _{7.5} shape memory alloys. IOP Conference Series: Materials Science and Engineering, 0, 591, 012026.	0.6	0