

Gheorghe Gurau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1682794/publications.pdf>

Version: 2024-02-01

30
papers

157
citations

1307594

7
h-index

1281871

11
g-index

31
all docs

31
docs citations

31
times ranked

94
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel High-Speed High Pressure Torsion Technology for Obtaining Fe-Mn-Si-Cr Shape Memory Alloy Active Elements. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2396-2402.	2.5	25
2	A new application of Fe-28Mn-6Si-5Cr (mass%) shape memory alloy, for self-adjustable axial preloading of ball bearings. <i>Smart Materials and Structures</i> , 2018, 27, 075026.	3.5	17
3	Stability of thermal-induced phase transformations in the severely deformed equiatomic Ni-Ti alloys. <i>Journal of Materials Science</i> , 2012, 47, 6005-6014.	3.7	16
4	XRD study of the transformation characteristics of severely plastic deformed Ni-Ti SMAs. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 1348-1350.	0.8	10
5	Investigations of a nanostructured FeMnSi shape memory alloy produced via severe plastic deformation. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 1315-1322.	4.9	10
6	A Study of Martensite Formation in Powder Metallurgy Fe-Mn-Si-Cr-Ni Shape Memory Alloys. <i>Materials Today: Proceedings</i> , 2015, 2, S789-S792.	1.8	9
7	Structural Change in Ni-Fe-Ga Magnetic Shape Memory Alloys after Severe Plastic Deformation. <i>Materials</i> , 2019, 12, 1939.	2.9	9
8	The Influence of Severe Plastic Deformation on Microstructure and In Vitro Biocompatibility of the New Ti-Nb-Zr-Ta-Fe-O Alloy Composition. <i>Materials</i> , 2020, 13, 4853.	2.9	9
9	A Comparative Study of Austenitic Structure in NiTi and Fe Based Shape Memory Alloys after Severe Plastic Deformation. <i>Materials Today: Proceedings</i> , 2015, 2, S905-S908.	1.8	7
10	Structural Characteristics of Multilayered Ni-Ti Nanocomposite Fabricated by High Speed High Pressure Torsion (HSHT). <i>Metals</i> , 2020, 10, 1629.	2.3	7
11	Optimization of fuel briquette production from cassava peels, plantain peels and corn cobs. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1905-1917.	3.0	7
12	A Versatile Method for Nanostructuring Metals, Alloys and Metal Based Composites. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 209, 012036.	0.6	6
13	METHODS TO REDUCE ENVIRONMENTAL IMPACT OF MUNICIPAL WASTE WATER SEWAGE SLUDGE. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 2457-2463.	0.6	5
14	Effects of Thermomechanical Processing on the Microstructure and Mechanical Properties of Fe-Based Alloys. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 2274-2282.	2.5	4
15	Investigation of microhardness evolution in an ultrafine grained NiTi alloy formed via high speed high pressure torsion (HSHT). <i>MATEC Web of Conferences</i> , 2015, 33, 03003.	0.2	3
16	Martensitic Transformation and Magnetic Properties of Ni ₅₇ Fe ₁₈ Ga ₂₅ Shape Memory Alloy Subjected to Severe Plastic Deformation. <i>Transactions of the Indian Institute of Metals</i> , 2021, 74, 2491-2498.	1.5	3
17	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 HSHT Severe Plastic Deformation. <i>Materials</i> , 2021, 14, 4621.	2.9	3
18	Phase Transformation in Ni-Ti Shape Memory and Superelastic Alloys Subjected to High Pressure Torsion. <i>Advanced Materials Research</i> , 2010, 123-125, 1007-1010.	0.3	2

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Microstructural and Calorimetric Analysis of ZK60 Alloy Processed by ECAP. Advanced Materials Research, 2013, 682, 169-175.	0.3	0
23	Effects of HSHPT on the martensitic transformation behaviour of an NiTi alloy. MATEC Web of Conferences, 2015, 33, 03007.	0.2	0
24	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
25	HIGH SPEED HIGH PRESSURE TORSION EFFECTS ON A DIFFICULT DEFORMABLE SHAPE MEMORY ALLOY. , 2014, , .		0
26	A COMPARISON OF THE STRUCTURE AND PROPERTIES OF HSLA STEEL COLD ROLLED AND SEVERE PLASTIC DEFORMED BY HIGH SPEED HIGH PRESSURE TORSION. , 2014, , .		0
27	ON DEFORMATION BEHAVIOUR AND MICROSTRUCTURAL CHANGE OF CU-9.51AL-3.81NI ALLOY. , 2018, , .		0
28	Processing effects on tensile superelastic behaviour of Fe43.5Mn34Al15 ± XNi7.5% shape memory alloys. IOP Conference Series: Materials Science and Engineering, 0, 591, 012026.	0.6	0
29	EXPERIMENTAL AND PREDICTION THE CORROSION RESISTANCE OF SOME SINTERED IRON ALLOYS SUBJECTED TO A THERMOCHEMICAL TREATMENT BY USING ARTIFICIAL NEURAL NETWORKS. , 2020, , .		0
30	WEED SPECIES IMAGE RECOGNITION USING DEEP LEARNING TECHNIQUE FOR SELECTIVE SPOT SPRAYING. , 2020, , .		0