

Mohammad Ghambari

List of Publications by Year in descending order

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papers

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citations

759233

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26
all docs

26
docs citations

26
times ranked

494
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and superior mechanical properties of a multi-axially forged WE magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2017, 693, 406-413.	5.5	64
2	The high temperature flow behavior modeling of NiTi shape memory alloy employing phenomenological and physical based constitutive models: A comparative study. <i>Intermetallics</i> , 2014, 53, 140-149.	3.9	55
3	Effect of Sinter Hardening on Microstructure and Mechanical Properties of Astaloy 85Mo. <i>Journal of Iron and Steel Research International</i> , 2012, 19, 43-46.	2.8	46
4	Flow localization during severe plastic deformation of AZ81 magnesium alloy: Micro-shear banding phenomenon. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 582, 8-14.	5.6	46
5	In situ formation of Al ³⁺ /Al ₃ Ni composites on commercially pure aluminium by friction stir processing. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 75, 1331-1337.	3.0	31
6	On the combined effect of lubrication and compaction temperature on properties of iron-based P/M parts. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 437, 360-365.	5.6	27
7	Production of grey cast iron powder via target jet milling. <i>Powder Technology</i> , 2012, 221, 318-324.	4.2	26
8	Flow Characterization of a Duplex near α/β Ti6242 Alloy through Interrelation of Microstructural Evolution, 3D Activation Energy Map, and Processing Map. <i>Advanced Engineering Materials</i> , 2016, 18, 1075-1085.	3.5	25
9	Characterization and comparison of gray cast iron powder produced by target jet milling and high energy ball milling of machining scraps. <i>Powder Technology</i> , 2011, 212, 278-283.	4.2	24
10	Preparation of Ag/reduced graphene oxide reinforced copper matrix composites through spark plasma sintering: An investigation of microstructure and mechanical properties. <i>Ceramics International</i> , 2020, 46, 13569-13579.	4.8	22
11	Characterization of pre-alloyed tin bronze powder prepared by recycling machining chips using jet milling. <i>Materials and Design</i> , 2016, 103, 201-208.	7.0	19
12	An investigation into the warm deformation behavior of Ti-6Al-1.5Cr-2.5Mo-0.5Fe-0.3Si alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 654, 264-270.	5.6	12
13	The effects of second phases on superelastic behavior of TNTZ bio alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 703, 513-520.	5.6	12
14	Sintering of grey cast iron powder recycled via jet milling. <i>Materials & Design</i> , 2013, 47, 174-178.	5.1	11
15	Investigation of green properties of iron/jet-milled grey cast iron compacts by response surface method. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2014, 228, 493-503.	2.4	10
16	Correlation between warm deformation characteristics and mechanical properties of a new TRIP-assisted Fe-MN-Ni steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 649, 27-34.	5.6	8
17	Production of CuSn10 bronze powder from machining chips using jet milling. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 92, 663-672.	3.0	8
18	Toward Unraveling the High Temperature Microstructure Processing Properties Relationship in a Free High Nitrogen Bearing Duplex Stainless Steel. <i>Steel Research International</i> , 2018, 89, 1700532.	1.8	8

#	ARTICLE	IF	CITATIONS
19	Investigation and optimization of properties of sintered iron/recycled grey cast iron powder metallurgy parts. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 1010-1020.	2.4	7
20	Adhesion strength measurement of nickel layer on the iron-based P/M parts influenced by different surface pre-treatment operations. Measurement: Journal of the International Measurement Confederation, 2015, 66, 204-211.	5.0	7
21	Preparation and characterization of composite WC / Co through rapid omnidirectional compaction. Journal of Alloys and Compounds, 2021, 859, 157764.	5.5	4
22	Effect of microstructure on the breakage of tin bronze machining chips during pulverization via jet milling. International Journal of Minerals, Metallurgy and Materials, 2016, 23, 1323-1332.	4.9	3
23	Predicting breakage behavior and particle size of bronze and cast iron machining chips pulverized by jet milling. Advanced Powder Technology, 2018, 29, 2153-2160.	4.1	2
24	Microstructural Aspects and Wear Behavior of Sinter Hardened Distaloy HP. Steel Research International, 2011, 82, 1297-1303.	1.8	1
25	Effect of sinter hardening on mechanical properties of Astaloy CrM powder metallurgy steel. Micro and Nano Letters, 2012, 7, 955-958.	1.3	1
26	Effect of Substrate Porosity on the Coating Adhesion of Iron Sintered Plated Parts with Infiltration Pretreatment. Materials Science Forum, 2007, 534-536, 953-956.	0.3	0