

Reza Mahmudi

List of Publications by Year in descending order

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21
papers

518
citations

623734

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19
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23
all docs

23
docs citations

23
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite element analysis of plastic deformation in shear punch test. <i>Materials Letters</i> , 2021, 284, 128953.	2.6	10
2	Effect of Gd on Dynamic Recrystallization Behavior of Magnesium During Hot Compression. <i>Metals and Materials International</i> , 2021, 27, 843-850.	3.4	17
3	Unraveling the Effect of Deformation Temperature on the Mechanical Behavior and Transformation-Induced Plasticity of the SUS304L Stainless Steel. <i>Steel Research International</i> , 2020, 91, 2000114.	1.8	22
4	Evolutions of mechanical properties of AISI 304L stainless steel under shear loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 791, 139667.	5.6	14
5	A comparative study on the effects of Gd, Y and La rare-earth elements on the microstructure and creep behavior of AZ81 Mg alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 790, 139712.	5.6	37
6	Effects of Gd, Y, and La Rare-Earth Elements on the Microstructural Stability and Elevated-Temperature Mechanical Properties of AZ81 Magnesium Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 5957-5968.	2.2	22
7	Constitutive analysis of wrought Mg-Gd magnesium alloys during hot compression at elevated temperatures. <i>Journal of Alloys and Compounds</i> , 2019, 791, 1200-1206.	5.5	72
8	Applicability of shear punch testing to the evaluation of hot tensile deformation parameters and constitutive analyses. <i>Journal of Materials Research and Technology</i> , 2019, 8, 996-1002.	5.8	21
9	The Analysis of Time-Dependent Thermo-Mechanical Creep in Functionally Graded Al-SiC Composites Under Various Operating Temperatures. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2018, 42, 117-126.	1.3	0
10	A new experimental-numerical approach for studying the effects of gas pressure profile on superplastic forming characteristics of Al-Mg5.6 alloy. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 91, 1771-1780.	3.0	5
11	Evaluating the flow properties of a magnesium ZK60 alloy processed by high-pressure torsion: A comparison of two different miniature testing techniques. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 708, 432-439.	5.6	29
12	Microstructural Evolution and Mechanical Properties of the As-Cast and Extruded Mg-Gd Alloys. <i>Advanced Engineering Materials</i> , 2016, 18, 156-161.	3.5	31
13	An Unusual Extrusion Texture in Mg-Gd-Y-Zr Alloys. <i>Advanced Engineering Materials</i> , 2016, 18, 1044-1049.	3.5	61
14	Dynamic recrystallization kinetics in Mg-3Gd-1Zn magnesium alloy during hot deformation. <i>International Journal of Materials Research</i> , 2016, 107, 277-279.	0.3	21
15	High Temperature Mechanical Properties of an Extruded Mg-Ti ₂ Nano-Composite. <i>Advanced Engineering Materials</i> , 2015, 17, 1639-1644.	3.5	17
16	Microstructural Characterization and High-Temperature Mechanical Behavior of Cast Mg-4Zn-Si Alloys. <i>Advanced Engineering Materials</i> , 2014, 16, 1160-1166.	3.5	12
17	Superplasticity of a fine-grained Mg-9Gd-4Y-0.4Zr alloy evaluated using shear punch testing. <i>Journal of Materials Research and Technology</i> , 2014, 3, 228-232.	5.8	49
18	Solid Solution Hardening Effect of Aluminum on the Creep Deformaton of AZ91 Magnesium Alloy. , 2012, , 423-426.		0

#	ARTICLE	IF	CITATIONS
19	Microstructure and Impression Creep Characteristics of Cast Mg-5Sn-xBi Magnesium Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1990-2003.	2.2	29
20	Effects of Zirconium Additions on the Microstructure of As-cast and Aged AZ91 Magnesium Alloy. Advanced Engineering Materials, 2009, 11, 189-193.	3.5	38
21	SUPERPLASTIC INDENTATION CREEP OF FINE-GRAINED Sn-1% Bi ALLOY. International Journal of Modern Physics B, 2008, 22, 2823-2832.	2.0	11