

Hunter Bryant Henderson

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

259
citations

1170033

9
h-index

1051228

16
g-index

25
all docs

25
docs citations

25
times ranked

329
citing authors

#	ARTICLE	IF	CITATIONS
1	How Cerium and Lanthanum as Coproducts Promote Stable Rare Earth Production and New Alloys. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 1225-1234.	1.1	15
2	Enhanced mechanical performance via laser induced nanostructure formation in an additively manufactured lightweight aluminum alloy. <i>Applied Materials Today</i> , 2021, 22, 100972.	2.3	10
3	Effect of Composition on the Phase Structure and Magnetic Properties of Ball-Milled LaFe _{11.71-x} Mn _x Si _{1.29} H _{1.6} Magnetocaloric Powders. <i>Magnetochemistry</i> , 2021, 7, 132.	1.0	2
4	Additively Manufactured Single-Use Molds and Reusable Patterns for Large Automotive and Hydroelectric Components. <i>International Journal of Metalcasting</i> , 2020, 14, 356-364.	1.5	7
5	A Reactive Element Approach to Improve Fracture Healing in Metallic Systems. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	3
6	Mechanical and degradation property improvement in a biocompatible Mg-Ca-Sr alloy by thermomechanical processing. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 80, 285-292.	1.5	27
7	Liquid direct reactive interface printing of structural aluminum alloys. <i>Applied Materials Today</i> , 2018, 13, 339-343.	2.3	11
8	Magneto-acoustic Interfacial Reaction-Based Nanoparticle Synthesis: A Direct Path to Manufacturing Metal Matrix Nanocomposites. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 2219-2224.	1.0	0
9	Repairing large cracks and reversing fatigue damage in structural metals. <i>Applied Materials Today</i> , 2018, 13, 64-68.	2.3	22
10	Ageless Aluminum-Cerium-Based Alloys in High-Volume Die Casting for Improved Energy Efficiency. <i>Jom</i> , 2018, 70, 866-871.	0.9	26
11	Subsurface imaging of grain microstructure using picosecond ultrasonics. <i>Acta Materialia</i> , 2016, 112, 209-215.	3.8	26
12	Improvement of aging kinetics and precipitate size refinement in Mg-Sn alloys by hafnium additions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 651, 854-858.	2.6	16
13	Near Surface Stoichiometry in UO ₂ : A Density Functional Theory Study. <i>Journal of Chemistry</i> , 2015, 2015, 1-8.	0.9	2
14	Influence of instrument conditions on the evaporation behavior of uranium dioxide with UV laser-assisted atom probe tomography. <i>Journal of Nuclear Materials</i> , 2015, 459, 37-43.	1.3	9
15	The effect of aluminum additions on the thermal, microstructural, and mechanical behavior of NiTiHf shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2015, 638, 67-76.	2.8	28
16	Investigation of material property influenced stoichiometric deviations as evidenced during UV laser-assisted atom probe tomography in fluorite oxides. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 359, 107-114.	0.6	5
17	Solidification Pathways of Alloys in the Mg-Rich Corner of the Mg-Al-Ba Ternary System. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015, 46, 1689-1696.	1.1	3
18	Investigation and Analytical Description of Acoustic Production by Magneto-Acoustic Mixing Technology. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 2020-2027.	1.0	1

#	ARTICLE	IF	CITATIONS
19	Bubble formation and Kr distribution in Kr-irradiated UO ₂ . Journal of Nuclear Materials, 2015, 456, 125-132.	1.3	29
20	Effect of Grain Boundaries on Krypton Segregation Behavior in Irradiated Uranium Dioxide. Jom, 2014, 66, 2562-2568.	0.9	7
21	Magnetoacoustic Mixing Technology: A Novel Method of Processing MetalMatrix Nanocomposites. Advanced Engineering Materials, 2014, 16, 1078-1082.	1.6	4
22	Nanometer scale chemistry and microstructure of CrN/AlN multilayer films. Applied Surface Science, 2013, 274, 392-396.	3.1	6