

# Hunter Bryant Henderson

List of Publications by Year  
in descending order

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1040018  
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docs citations

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times ranked

293  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Cerium and Lanthanum as Coproducts Promote Stable Rare Earth Production and New Alloys. Journal of Sustainable Metallurgy, 2022, 8, 1225-1234.	2.3	15
2	Enhanced mechanical performance via laser induced nanostructure formation in an additively manufactured lightweight aluminum alloy. Applied Materials Today, 2021, 22, 100972.	4.3	10
3	Effect of Composition on the Phase Structure and Magnetic Properties of Ball-Milled LaFe <sub>11.71-x</sub> Mn <sub>x</sub> Si <sub>1.29</sub> H <sub>1.6</sub> Magnetocaloric Powders. Magnetochemistry, 2021, 7, 132.	2.4	2
4	Additively Manufactured Single-Use Molds and Reusable Patterns for Large Automotive and Hydroelectric Components. International Journal of Metalcasting, 2020, 14, 356-364.	1.9	7
5	A Reactive Element Approach to Improve Fracture Healing in Metallic Systems. Frontiers in Materials, 2019, 6, .	2.4	3
6	Mechanical and degradation property improvement in a biocompatible Mg-Ca-Sr alloy by thermomechanical processing. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 80, 285-292.	3.1	27
7	Liquid direct reactive interface printing of structural aluminum alloys. Applied Materials Today, 2018, 13, 339-343.	4.3	11
8	Magneto-acoustic Interfacial Reaction-Based Nanoparticle Synthesis: A Direct Path to Manufacturing Metal Matrix Nanocomposites. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2018, 49, 2219-2224.	2.1	0
9	Repairing large cracks and reversing fatigue damage in structural metals. Applied Materials Today, 2018, 13, 64-68.	4.3	22
10	Ageless Aluminum-Cerium-Based Alloys in High-Volume Die Casting for Improved Energy Efficiency. Jom, 2018, 70, 866-871.	1.9	26
11	Subsurface imaging of grain microstructure using picosecond ultrasonics. Acta Materialia, 2016, 112, 209-215.	7.9	26
12	Improvement of aging kinetics and precipitate size refinement in Mg-Al-Sn alloys by hafnium additions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 651, 854-858.	5.6	16
13	Near Surface Stoichiometry in UO <sub>2</sub> : A Density Functional Theory Study. Journal of Chemistry, 2015, 2015, 1-8.	1.9	2
14	Influence of instrument conditions on the evaporation behavior of uranium dioxide with UV laser-assisted atom probe tomography. Journal of Nuclear Materials, 2015, 459, 37-43.	2.7	9
15	The effect of aluminum additions on the thermal, microstructural, and mechanical behavior of NiTiHf shape memory alloys. Journal of Alloys and Compounds, 2015, 638, 67-76.	5.5	28
16	Investigation of material property influenced stoichiometric deviations as evidenced during UV laser-assisted atom probe tomography in fluorite oxides. Nuclear Instruments & Methods in Physics Research B, 2015, 359, 107-114.	1.4	5
17	Solidification Pathways of Alloys in the Mg-Rich Corner of the Mg-Al-Ba Ternary System. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1689-1696.	2.2	3
18	Investigation and Analytical Description of Acoustic Production by Magneto-Acoustic Mixing Technology. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2015, 46, 2020-2027.	2.1	1

#	ARTICLE	IF	CITATIONS
19	Bubble formation and Kr distribution in Kr-irradiated UO <sub>2</sub> . Journal of Nuclear Materials, 2015, 456, 125-132.	2.7	29
20	Effect of Grain Boundaries on Krypton Segregation Behavior in Irradiated Uranium Dioxide. Jom, 2014, 66, 2562-2568.	1.9	7
21	Magnetoacoustic Mixing Technology: A Novel Method of Processing MetalMatrix Nanocomposites. Advanced Engineering Materials, 2014, 16, 1078-1082.	3.5	4
22	Nanometer scale chemistry and microstructure of CrN/AlN multilayer films. Applied Surface Science, 2013, 274, 392-396.	6.1	6