

Ali Khosravani

List of Publications by Year in descending order

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papers

678
citations

759055

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24
all docs

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docs citations

24
times ranked

761
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of high throughput assays for establishing process-structure-property linkages in multiphase polycrystalline metals: Application to dual-phase steels. Acta Materialia, 2017, 123, 55-69.	3.8	178
2	Twinning in magnesium alloy AZ31B under different strain paths at moderately elevated temperatures. International Journal of Plasticity, 2013, 45, 160-173.	4.1	84
3	The effect of length scale on the determination of geometrically necessary dislocations via EBSD continuum dislocation microscopy. Ultramicroscopy, 2016, 164, 1-10.	0.8	49
4	High throughput exploration of process-property linkages in Al-6061 using instrumented spherical microindentation and microstructurally graded samples. Integrating Materials and Manufacturing Innovation, 2016, 5, 192-211.	1.2	48
5	Insights into twinning in Mg AZ31: A combined EBSD and machine learning study. Computational Materials Science, 2016, 124, 353-363.	1.4	32
6	Effect of rolling strain on transformation induced plasticity of austenite to martensite in a high-alloy austenitic steel. Journal of Materials Processing Technology, 2008, 203, 349-354.	3.1	28
7	Microstructural evolution and mechanical properties of semisolid stir welded zinc AG40A die cast alloy. Journal of Materials Processing Technology, 2009, 209, 4112-4121.	3.1	27
8	Room Temperature Shear Band Development in Highly Twinned Wrought Magnesium AZ31B Sheet. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 512-516.	1.1	26
9	Multiresolution mechanical characterization of hierarchical materials: Spherical nanoindentation on martensitic Fe-Ni-C steels. Acta Materialia, 2018, 153, 257-269.	3.8	26
10	Liquid segregation behavior of semi-solid AZ91 alloy during back extrusion test. Journal of Alloys and Compounds, 2009, 477, 822-827.	2.8	17
11	New Insights into the Microstructural Changes During the Processing of Dual-Phase Steels from Multiresolution Spherical Indentation Stress-Strain Protocols. Metals, 2020, 10, 18.	1.0	13
12	Data Infrastructure Elements in Support of Accelerated Materials Innovation: ELA, PyMKS, and MATIN. Integrating Materials and Manufacturing Innovation, 2019, 8, 441-454.	1.2	12
13	High-Throughput Exploration of the Process Space in 18% Ni (350) Maraging Steels via Spherical Indentation Stress-Strain Protocols and Gaussian Process Models. Integrating Materials and Manufacturing Innovation, 2020, 9, 199-212.	1.2	10
14	Room Temperature Ductility and Microstructure of Magnesium AZ31B Sheet. Journal of Materials Engineering and Performance, 2011, 20, 1357-1363.	1.2	9
15	Semisolid Joining of Zinc AG40A Alloy by Partial Remelting and Mechanical Stirring. Solid State Phenomena, 2008, 141-143, 225-230.	0.3	8
16	Microstructure Detail Extraction via EBSD: An Overview. , 2014, , 405-437.		4
17	Microstructure Quantification and Multiresolution Mechanical Characterization of Ti-Based Bulk Metallic Glass-Matrix Composites. Jom, 2021, 73, 3312-3322.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Numerical Modeling of Die Filling of Semi-Solid A356 Aluminum Alloy. Solid State Phenomena, 0, 141-143, 605-610.	0.3	2
20	Microstructural Evolution of AZ91 Alloy Containing 3%Ca Prepared by Cooling Slope. Solid State Phenomena, 2008, 141-143, 427-432.	0.3	2
21	Viscosity Estimation of Semi-Solid Alloys by Drop Weight Backward Extrusion Test under High Speed Deformation. Solid State Phenomena, 0, 141-143, 379-384.	0.3	1
22	Morphological Features of Silicon Rich Phase in Powder Thixoformed Spray Atomized Hyper-Eutectic Al-Si Alloy. Solid State Phenomena, 2008, 141-143, 493-498.	0.3	0
23	Intelligent Microscopy for EBSD Applications. Materials Science Forum, 0, 702-703, 554-557.	0.3	0