Shi-Feng Liu

List of Publications by Year
in descending order

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46	635	623734 14	610901 24
papers	citations	h-index	g-index

47	47	47	427
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fabrication and characterization of cordierite-bonded porous SiC ceramics. Ceramics International, 2009, 35, 597-602.	4.8	91
2	Effects of CeO2 addition on the properties of cordierite-bonded porous SiC ceramics. Journal of the European Ceramic Society, 2009, 29, 1795-1802.	5.7	50
3	Power generation by PVDF-TrFE/graphene nanocomposite films. Composites Part B: Engineering, 2019, 164, 703-709.	12.0	48
4	Facile Synthesis of Flower-like (BiO)2CO3@MnO2 and Bi2O3@MnO2 Nanocomposites for Supercapacitors. Electrochimica Acta, 2015, 168, 97-103.	5.2	46
5	Effect of grain size, texture and density of precipitates on the hardness and tensile yield stress of Mg-14Gd-0.5Zr alloys. Materials and Design, 2017, 114, 450-458.	7.0	40
6	Largely alleviating the orientation dependence by sequentially changing strain paths. Materials and Design, 2016, 97, 464-472.	7.0	36
7	Through-thickness texture in clock-rolled tantalum plate. International Journal of Refractory Metals and Hard Materials, 2015, 48, 194-200.	3.8	27
8	A comparative study of clock rolling and unidirectional rolling on deformation/recrystallization microstructure and texture of high purity tantalum plates. International Journal of Refractory Metals and Hard Materials, 2013, 41, 453-460.	3.8	23
9	Effects of asymmetrical rolling on through-thickness microstructure and texture of body-centered cubic (BCC) tantalum. International Journal of Refractory Metals and Hard Materials, 2019, 78, 51-60.	3.8	20
10	Inhomogeneous deformation of {111}<uvw> grain in cold rolled tantalum. Journal of Materials Science and Technology, 2018, 34, 2178-2182.	10.7	18
11	Quantitative analysis: How annealing temperature influences recrystallization texture and grain shape in tantalum. International Journal of Refractory Metals and Hard Materials, 2018, 72, 244-252.	3.8	18
12	Asymmetric cross rolling: a new technique for alleviating orientation-dependent microstructure inhomogeneity in tantalum sheets. Journal of Materials Research and Technology, 2020, 9, 4566-4577.	5.8	17
13	Microstructure, texture, and fracture of pure magnesium adiabatic shear band under high strain rate compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 822, 141632.	5.6	17
14	Comparing the Through-Thickness Gradient of the Deformed and Recrystallized Microstructure in Tantalum with Unidirectional and Clock Rolling. Materials, 2019, 12, 169.	2.9	15
15	Comparative Study on the Kinetics of the Isothermal Reduction of Iron Ore Composite Pellets Using Coke, Charcoal, and Biomass as Reducing Agents. Metals, 2021, 11, 340.	2.3	14
16	Strain accommodation of <110>-normal direction-oriented grains in micro-shear bands of high-purity tantalum. Journal of Materials Science, 2018, 53, 12543-12552.	3.7	13
17	Effects of pre-recovery on the recrystallization microstructure and texture of high-purity tantalum. Journal of Materials Science, 2018, 53, 2985-2994.	3.7	11
18	Inhomogeneous deformation and recrystallization behavior of through-thickness tantalum sheet under one-cycle clock-rolling. Progress in Natural Science: Materials International, 2019, 29, 485-493.	4.4	11

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19	Effects of Preheatâ€Treated Aluminosilicate Addition on the Phase Development, Microstructure, and Mechanical Properties of Mullitized Porous OBSC Ceramics. International Journal of Applied Ceramic Technology, 2009, 6, 617-625.	2.1	10
20	The evolution of texture and microstructure uniformity in tantalum sheets during asymmetric cross rolling. Materials Characterization, 2020, 168, 110586.	4.4	10
21	Effects of Annealing Temperature on Recrystallization Texture and Microstructure Uniformity of High Purity Tantalum. Metals, 2019, 9, 75.	2.3	9
22	Deformation and annealing behavior in the â€˜interaction zoneâ€™ of cold-rolled tantalum sheets. Vacuum, 2019, 164, 105-113.	3.5	9
23	Effect of strain path change on the through-thickness microstructure during tantalum rolling. International Journal of Refractory Metals and Hard Materials, 2020, 87, 105168.	3.8	9
24	Orientation-dependent grain boundary characteristics in tantalum upon the change of strain path. Materials Characterization, 2019, 154, 277-284.	4.4	8
25	Pass number dependence of through-thickness microstructure homogeneity in tantalum sheets under the change of strain path. Materials Characterization, 2020, 160, 110076.	4.4	8
26	Through-thickness texture gradient of tantalum sputtering target. Rare Metals, 2017, 36, 523-526.	7.1	6
27	Fabrication and Characterization of Nearâ€Netâ€Shape <i>In Situ</i> Reactionâ€Bonded Porous Cordierite/SiC Ceramics. International Journal of Applied Ceramic Technology, 2014, 11, 839-844.	2.1	5
28	Texture and Microstructure Evolution of Ultra-High Purity Cu-0.1Al Alloy under Different Rolling Methods. Crystals, 2021, 11, 1113.	2.2	5
29	Crystallographic analysis of nucleation for random orientations in high-purity tantalum. Journal of Materials Research, 2018, 33, 1755-1763.	2.6	4
30	Quasi-In-Situ EBSD Observation of the Orientation Evolution in Polycrystalline Tantalum During Rolling Deformation. Acta Metallurgica Sinica (English Letters), 2019, 32, 1015-1020.	2.9	4
31	Anomalous Deformation and Recrystallization Phenomenon in {111} Grains in Clock-Rolling Tantalum Sheets. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 104-108.	2.2	4
32	Improving Texture and Microstructure Homogeneity in High-Purity Ta Sheets by Warm Cross Rolling and Annealing. Metals, 2021, 11, 1665.	2.3	4
33	Effect of strain rates on mechanical properties, microstructure and texture inside shear bands of pure magnesium. Materials Characterization, 2022, 184, 111686.	4.4	4
34	The Effect of Different Annealing Temperatures on Recrystallization Microstructure and Texture of Clock-Rolled Tantalum Plates with Strong Texture Gradient. Metals, 2019, 9, 358.	2.3	3
35	Strain dependence of deformation and recrystallization microstructure homogeneity in clock-rolled tantalum sheets. Materials Characterization, 2020, 161, 110165.	4.4	3
36	Microstructural evolution and ultrafine-grain formation during dynamic shear in pure tantalum. Materials Characterization, 2022, 186, 111820.	4.4	3

#	Article	IF	Citations
37	Quasi-in-situ study on the crystallographic lattice rotation of tantalum during compression deformation. Journal of Materials Research and Technology, 2022, 19, 858-865.	5.8	3
38	Revealing substructure in clock-rolled Ta aided with triple focused ion beam. Rare Metals, 2017, 36, 284-288.	7.1	2
39	Enhancing the {100} grain subdivision in high-purity tantalum sheets by asymmetric cross rolling. Materials Characterization, 2020, 166, 110439.	4.4	2
40	Study on the Grain Rotation of High-Purity Tantalum during Compression Deformation. Crystals, 2022, 12, 676.	2.2	2
41	Improvement of microstructure and texture homogeneity of tantalum by dynamic plastic deformation and subsequent annealing: Effect of pass number. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 846, 143305.	5.6	2
42	Beneficial clock-rolling cycles on the microstructure uniformity of {111} grains in tantalum sheets. Progress in Natural Science: Materials International, 2020, 30, 124-127.	4.4	1
43	135Â° Clock Rolling: An Approach to Improve the Microstructure and Texture of Tantalum Used for Sputtering Target. , 2016, , 549-557.		0
44	An Effective Method to Homogenize the Microstructure of High Purity Tantalum in Sputtering Targets. , 0, , 303-308.		0
45	Quasi in situ characterization of texture evolution in a copper-manganese alloy deformed by cold rolling. Materials Research Express, 2019, 6, 0865e4.	1.6	0
46	Static recrystallization texture and microstructure evolution of copper-manganese alloy pre-deformed by unidirectional rolling. Materials Research Express, 2019, 6, 016537.	1.6	0