

Qiwei Shi

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

180
citations

1040056

9
h-index

1125743

13
g-index

19
all docs

19
docs citations

19
times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of elastic strain by integrated image correlation on electron diffraction patterns. <i>Ultramicroscopy</i> , 2019, 199, 16-33.	1.9	28
2	Structural and dynamical properties of heterogeneous solid-liquid Ta-Cu interfaces: A molecular dynamics study. <i>Computational Materials Science</i> , 2014, 86, 64-72.	3.0	15
3	Dynamical stability of iron under high-temperature and high-pressure conditions. <i>Europhysics Letters</i> , 2012, 97, 56004.	2.0	14
4	On the use of SEM correlative tools for in situ mechanical tests. <i>Ultramicroscopy</i> , 2018, 184, 71-87.	1.9	14
5	Spark plasma sintering mechanisms of the Al-Zn-Mg-Cu alloys and TiB ₂ /Al-Zn-Mg-Cu composites. <i>Materials Characterization</i> , 2021, 172, 110825.	4.4	14
6	Fabrication of fine grain structures in Al matrices at elevated temperature by the stimulation of dual-size particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 805, 140614.	5.6	13
7	Calibration of crystal orientation and pattern center of EBSD using integrated digital image correlation. <i>Materials Characterization</i> , 2021, 178, 111206.	4.4	12
8	Effect of Aging Treatment on Microstructure and Mechanical Properties of Ti ₂₇ Nb ₂ Ta ₃ Zr & beta; Titanium Alloy for Implant Applications. <i>Materials Transactions</i> , 2014, 55, 141-146.	1.2	10
9	Quaternion correlation for tracking crystal motions. <i>Measurement Science and Technology</i> , 2016, 27, 095006.	2.6	10
10	Measuring topographies from conventional SEM acquisitions. <i>Ultramicroscopy</i> , 2018, 191, 18-33.	1.9	7
11	Microscopic heterogeneity of plastic strain and lattice rotation in partially recrystallized copper polycrystals. <i>International Journal of Solids and Structures</i> , 2020, 184, 167-177.	2.7	7
12	Residual-based pattern center calibration in high-resolution electron backscatter diffraction. <i>Micron</i> , 2021, 146, 103081.	2.2	7
13	Improved EBSD indexation accuracy by considering energy distribution of diffraction patterns. <i>Materials Characterization</i> , 2022, 188, 111909.	4.4	7
14	Backtracking Depth-Resolved Microstructures for Crystal Plasticity Identification-Part 2: Identification. <i>Jom</i> , 2017, 69, 2803-2809.	1.9	6
15	Indexation of electron diffraction patterns at grain boundaries. <i>Materials Characterization</i> , 2021, 182, 111553.	4.4	6
16	Backtracking Depth-Resolved Microstructures for Crystal Plasticity Identification-Part 1: Backtracking Microstructures. <i>Jom</i> , 2017, 69, 2810-2818.	1.9	4
17	Anisotropic behavior of TiB ₂ nanoparticles reinforced 2024Al composites rolling sheet. <i>Materials Characterization</i> , 2020, 162, 110196.	4.4	3
18	Hot Deformation Behavior and Workability of In-Situ TiB ₂ /7050Al Composites Fabricated by Powder Metallurgy. <i>Materials</i> , 2020, 13, 5319.	2.9	2

#	ARTICLE	IF	CITATIONS
19	Processing Laue Microdiffraction Raster Scanning Patterns with Machine Learning Algorithms: A Case Study with a Fatigued Polycrystalline Sample. <i>Materials</i> , 2022, 15, 1502.	2.9	1