

A Prakash, Aruna Prakash

List of Publications by Year in descending order

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31
papers

853
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567281

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docs citations

32
times ranked

906
citing authors

#	ARTICLE	IF	CITATIONS
19	Quantifying eigenstrain distributions induced by focused ion beam damage in silicon. <i>Materials Letters</i> , 2016, 185, 47-49.	2.6	36
20	Nano: A methodology for generating complex realistic configurations for atomistic simulations. <i>MethodsX</i> , 2016, 3, 219-230.	1.6	24
21	A multiscale simulation framework of the accumulative roll bonding process accounting for texture evolution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 631, 104-119.	5.6	42
22	Atom probe informed simulations of dislocation-precipitate interactions reveal the importance of local interface curvature. <i>Acta Materialia</i> , 2015, 92, 33-45.	7.9	79
23	8-inch wafer-scale HfO ₂ -based RRAM for 1S-1R cross-point memory applications. , 2014, , .		0
24	A hierarchical multi-scale model for hexagonal materials taking into account texture evolution during forming simulation. <i>Computational Materials Science</i> , 2014, 82, 464-475.	3.0	13
25	FE2AT- finite element informed atomistic simulations. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2013, 21, 055011.	2.0	16
26	Modeling the evolution of texture and grain shape in Mg alloy AZ31 using the crystal plasticity finite element method. <i>Computational Materials Science</i> , 2009, 45, 744-750.	3.0	66
27	Simulation of micromechanical behavior of polycrystals: finite elements versus fast Fourier transforms. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2009, 17, 064010.	2.0	122
28	Twinning Models in Self-Consistent Texture Simulations of TWIP Steels. <i>Steel Research International</i> , 2008, 79, 645-652.	1.8	34
29	Experimental and Numerical Investigation of Texture Development during Hot Rolling of Magnesium Alloy AZ31. <i>Materials Science Forum</i> , 2007, 539-543, 3448-3453.	0.3	5
30	Organic Memory Device Fabricated Through Solution Processing. <i>Proceedings of the IEEE</i> , 2005, 93, 1287-1296.	21.3	98
31	Sintering of Alumina Nanoparticles: Comparison of Interatomic Potentials, Molecular Dynamics Simulations, and Data Analysis. <i>Modelling and Simulation in Materials Science and Engineering</i> , 0, , .	2.0	3