Till Junge

List of Publications by Year
in descending order

		1162367	1372195
10	319	8	10
papers	citations	h-index	g-index

10	10	10	411
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient implementation of atom-density representations. Journal of Chemical Physics, 2021, 154, 114109.	1.2	32
2	The emergence of small-scale self-affine surface roughness from deformation. Science Advances, 2020, 6, eaax0847.	4.7	48
3	Atomistic-continuum coupling of random alloys. Modelling and Simulation in Materials Science and Engineering, 2019, 27, 075004.	0.8	5
4	Molecular probes reveal deviations from Amontonsâ€™ law in multi-asperity frictional contacts. Nature Communications, 2018, 9, 888.	5.8	88
5	The Coupled Atomistic/Discrete-Dislocation method in 3d part I: Concept and algorithms. Journal of the Mechanics and Physics of Solids, 2018, 118, 152-171.	2.3	31
6	Ab initio modelling of the early stages of precipitation in Al-6000 alloys. Acta Materialia, 2017, 140, 240-249.	3.8	14
7	Dynamic stability of displacement-based atomistic/continuum coupling methods. Journal of the Mechanics and Physics of Solids, 2015, 80, 103-120.	2.3	8
8	Toward a 3D coupled atomistic and discrete dislocation dynamics simulation: dislocation core structures and Peierls stresses with several character angles in FCC aluminum. Advanced Modeling and Simulation in Engineering Sciences, 2015, 2, .	0.7	27
9	Plastic activity in nanoscratch molecular dynamics simulations of pure aluminium. International Journal of Plasticity, 2014, 53, 90-106.	4.1	57
10	Molecular dynamics nano-scratching of aluminium: a novel quantitative energy-based analysis method. Procedia IUTAM, 2012, 3, 192-204.	1.2	9