

Till Junge

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1527676/publications.pdf>

Version: 2024-02-01

10
papers

319
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

411
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient implementation of atom-density representations. Journal of Chemical Physics, 2021, 154, 114109.	3.0	32
2	The emergence of small-scale self-affine surface roughness from deformation. Science Advances, 2020, 6, eaax0847.	10.3	48
3	Atomistic-continuum coupling of random alloys. Modelling and Simulation in Materials Science and Engineering, 2019, 27, 075004.	2.0	5
4	Molecular probes reveal deviations from Amontons's law in multi-asperity frictional contacts. Nature Communications, 2018, 9, 888.	12.8	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.	4.8	31
6	Ab initio modelling of the early stages of precipitation in Al-6000 alloys. Acta Materialia, 2017, 140, 240-249.	7.9	14
7	Dynamic stability of displacement-based atomistic/continuum coupling methods. Journal of the Mechanics and Physics of Solids, 2015, 80, 103-120.	4.8	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, .	1.7	27
9	Plastic activity in nanoscratch molecular dynamics simulations of pure aluminium. International Journal of Plasticity, 2014, 53, 90-106.	8.8	57
10	Molecular dynamics nano-scratching of aluminium: a novel quantitative energy-based analysis method. Procedia IUTAM, 2012, 3, 192-204.	1.2	9