

Woo Kyun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

204
citations

1478505

6
h-index

1588992

8
g-index

12
all docs

12
docs citations

12
times ranked

236
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Langevin friction and time steps in the molecular dynamics simulation of nanoindentation. <i>Molecular Simulation</i> , 2020, 46, 911-922.	2.0	3
2	Roadmap on multiscale materials modeling. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2020, 28, 043001.	2.0	100
3	Role of boundary conditions and thermostats in the uniaxial tensile loading of silicon nanowires. <i>Computational Materials Science</i> , 2020, 178, 109636.	3.0	0
4	A comparison study between the Lennard-Jones and DRIP potentials for friction of graphene layers. <i>Computational Materials Science</i> , 2020, 180, 109723.	3.0	3
5	Molecular dynamics simulation of the uniaxial tensile test of silicon nanowires using the MEAM potential. <i>Mechanics of Materials</i> , 2019, 137, 103140.	3.2	27
6	Nanoscale indentation and scratching tests of single crystal sapphire using molecular dynamics simulation. <i>Computational Materials Science</i> , 2019, 170, 109195.	3.0	21
7	Role of multigrain structure on friction of graphene layers. <i>Computational Materials Science</i> , 2019, 165, 23-33.	3.0	6
8	A hybrid quasicontinuum method. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 117, 1059-1078.	2.8	1
9	Molecular dynamics study on friction of polycrystalline graphene. <i>Computational Materials Science</i> , 2017, 137, 346-361.	3.0	13
10	A molecular dynamics study on atomistic mechanisms of nano-scale cutting process of sapphire. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 4353-4362.	1.5	28
11	Argon cluster ion sputter yield: Molecular dynamics simulations on silicon and equation for estimating total sputter yield. <i>Surface and Interface Analysis</i> , 0, , .	1.8	2
12	Free energy calculation and ghost force correction for QC. <i>International Journal for Numerical Methods in Engineering</i> , 0, , .	2.8	0