

Sungkwang Mun

List of Publications by Year in descending order

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papers

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1307594

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g-index

19
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19
docs citations

19
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357
citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory and bridging to classical interatomic force fields. , 2022, , 39-52.		1
2	Development of 2NN MEAM potential for Fe-Al and atomistic investigation of surface and interface properties of the inhibition layer in galvanized Fe. Modelling and Simulation in Materials Science and Engineering, 2022, 30, 045001.	2.0	2
3	Unraveling Mg slip using neural network potential. Philosophical Magazine, 2022, 102, 651-673.	1.6	8
4	Machine-learning enabled prediction of 3D spray under engine combustion network spray G conditions. Fuel, 2021, 293, 120444.	6.4	19
5	A nanoscale study of size scale, strain rate, temperature, and stress state effects on damage and fracture of polyethylene. Mechanics of Materials, 2021, 161, 104008.	3.2	7
6	Damage biomechanics for neuronal membrane mechanoporation. Modelling and Simulation in Materials Science and Engineering, 2019, 27, 065004.	2.0	8
7	Free volume and internal structural evolution during creep in model amorphous polyethylene by Molecular Dynamics simulations. Polymer, 2019, 170, 85-100.	3.8	30
8	Molecular dynamics simulations showing 1-palmitoyl-2-oleoyl-phosphatidylcholine (POPC) membrane mechanoporation damage under different strain paths. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1346-1359.	3.5	8
9	Dispersion-Corrected Modified Embedded-Atom Method Bond Order Interatomic Potential for Sulfur. Journal of Physical Chemistry A, 2018, 122, 9572-9578.	2.5	4
10	Interatomic Potential for Hydrocarbons on the Basis of the Modified Embedded-Atom Method with Bond Order (MEAM-BO). Journal of Physical Chemistry A, 2017, 121, 1502-1524.	2.5	18
11	Stress wave mitigation at suture interfaces. Biomedical Physics and Engineering Express, 2017, 3, 035025.	1.2	16
12	Uncertainty analysis of an irrigation scheduling model for water management in crop production. Agricultural Water Management, 2015, 155, 100-112.	5.6	10
13	Motion-compensated compressed-sensing reconstruction for dynamic MRI. , 2013, , .		5
14	Residual Reconstruction for Block-Based Compressed Sensing of Video. , 2011, , .		122
15	Block Compressed Sensing of Images Using Directional Transforms. , 2010, , .		113
16	Block compressed sensing of images using directional transforms. , 2009, , .		32
17	A modified embedded-atom method interatomic potential for bismuth. Modelling and Simulation in Materials Science and Engineering, 0, , .	2.0	7
18	Single-wall carbon nanotube mechanical behavior using the modified embedded atom method with bond order (MEAM-BO). Modelling and Simulation in Materials Science and Engineering, 0, , .	2.0	1