

Sungkwang Mun

List of Publications by Year in descending order

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18
papers

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1307594

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citing authors

#	ARTICLE	IF	CITATIONS
1	Residual Reconstruction for Block-Based Compressed Sensing of Video. , 2011, , .		122
2	Block Compressed Sensing of Images Using Directional Transforms. , 2010, , .		113
3	Block compressed sensing of images using directional transforms. , 2009, , .		32
4	Free volume and internal structural evolution during creep in model amorphous polyethylene by Molecular Dynamics simulations. Polymer, 2019, 170, 85-100.	3.8	30
5	Machine-learning enabled prediction of 3D spray under engine combustion network spray G conditions. Fuel, 2021, 293, 120444.	6.4	19
6	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
7	Stress wave mitigation at suture interfaces. Biomedical Physics and Engineering Express, 2017, 3, 035025.	1.2	16
8	Uncertainty analysis of an irrigation scheduling model for water management in crop production. Agricultural Water Management, 2015, 155, 100-112.	5.6	10
9	Damage biomechanics for neuronal membrane mechanoporation. Modelling and Simulation in Materials Science and Engineering, 2019, 27, 065004.	2.0	8
10	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
11	Unraveling Mg α -Mg slip using neural network potential. Philosophical Magazine, 2022, 102, 651-673.	1.6	8
12	A modified embedded-atom method interatomic potential for bismuth. Modelling and Simulation in Materials Science and Engineering, 0, , .	2.0	7
13	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
14	Motion-compensated compressed-sensing reconstruction for dynamic MRI. , 2013, , .		5
15	Dispersion-Corrected Modified Embedded-Atom Method Bond Order Interatomic Potential for Sulfur. Journal of Physical Chemistry A, 2018, 122, 9572-9578.	2.5	4
16	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
17	Density functional theory and bridging to classical interatomic force fields. , 2022, , 39-52.		1
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