

Murali Gopal Muraleedharan

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

165
citations

1307594

7
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Transport in Disordered Materials. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2019, 23, 81-116.	2.6	66
2	Elucidating Thermally Induced Structural and Chemical Transformations in Kaolinite Using Reactive Molecular Dynamics Simulations and X-ray Scattering Measurements. <i>Chemistry of Materials</i> , 2020, 32, 651-662.	6.7	14
3	Thermal conductivity calculation of nano-suspensions using Green's-Kubo relations with reduced artificial correlations. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 155302.	1.8	13
4	Understanding the chemistry of cation leaching in illite/water interfacial system using reactive molecular dynamics simulations and hydrothermal experiments. <i>Acta Materialia</i> , 2020, 186, 564-574.	7.9	13
5	Investigation into the Atomistic Scale Mechanisms Responsible for the Enhanced Dielectric Response in the Interfacial Region of Polymer Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11558-11563.	3.1	12
6	Interface conductance modal analysis of a crystalline Si-amorphous SiO ₂ interface. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	11
7	Interfacial Reactivity and Speciation Emerging from Na-Montmorillonite Interactions with Water and Formic Acid at 200 Å°C: Insights from Reactive Molecular Dynamics Simulations, Infrared Spectroscopy, and X-ray Scattering Measurements. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1006-1019.	2.7	10
8	Nanomechanical investigation of the interplay between pore morphology and crack orientation of amorphous silica. <i>Engineering Fracture Mechanics</i> , 2021, 250, 107749.	4.3	9
9	Fast & accurate interatomic potentials for describing thermal vibrations. <i>Computational Materials Science</i> , 2020, 184, 109884.	3.0	7
10	Flame propagation in nano-aluminum-water (nAl-H ₂ O) mixtures: The role of thermal interface resistance. <i>Combustion and Flame</i> , 2019, 201, 160-169.	5.2	6
11	Phonon optimized interatomic potential for aluminum. <i>AIP Advances</i> , 2017, 7, 125022.	1.3	4