Murali Gopal Muraleedharan

List of Publications by Year
in descending order

11	165	1307594 7	1281871 11
papers	citations	h-index	g-index

12	12	12	298
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interfacial Reactivity and Speciation Emerging from Na-Montmorillonite Interactions with Water and Formic Acid at 200 Â°C: Insights from Reactive Molecular Dynamics Simulations, Infrared Spectroscopy, and X-ray Scattering Measurements. ACS Earth and Space Chemistry, 2021, 5, 1006-1019.	2.7	10
2	Nanomechanical investigation of the interplay between pore morphology and crack orientation of amorphous silica. Engineering Fracture Mechanics, 2021, 250, 107749.	4.3	9
3	Understanding the chemistry of cation leaching in illite/water interfacial system using reactive molecular dynamics simulations and hydrothermal experiments. Acta Materialia, 2020, 186, 564-574.	7.9	13
4	Elucidating Thermally Induced Structural and Chemical Transformations in Kaolinite Using Reactive Molecular Dynamics Simulations and X-ray Scattering Measurements. Chemistry of Materials, 2020, 32, 651-662.	6.7	14
5	Investigation into the Atomistic Scale Mechanisms Responsible for the Enhanced Dielectric Response in the Interfacial Region of Polymer Nanocomposites. Journal of Physical Chemistry C, 2020, 124, 11558-11563.	3.1	12
6	Fast & accurate interatomic potentials for describing thermal vibrations. Computational Materials Science, 2020, 184, 109884.	3.0	7
7	Flame propagation in nano-aluminumâ€“water (nAlâ€“H2O) mixtures: The role of thermal interface resistance. Combustion and Flame, 2019, 201, 160-169.	5.2	6
8	Interface conductance modal analysis of a crystalline Si-amorphous SiO2 interface. Journal of Applied Physics, 2019, 125, .	2.5	11
9	Thermal Transport in Disordered Materials. Nanoscale and Microscale Thermophysical Engineering, 2019, 23, 81-116.	2.6	66
10	Thermal conductivity calculation of nano-suspensions using Greenâ€“Kubo relations with reduced artificial correlations. Journal of Physics Condensed Matter, 2017, 29, 155302.	1.8	13
11	Phonon optimized interatomic potential for aluminum. AIP Advances, 2017, 7, 125022.	1.3	4