Rajasekaran G

List of Publications by Year in Descending Order

13 papers	250 citations	7 h-index	13 g-index
13 ext. papers	285 ext. citations	2.3 avg, IF	3.8 L-index

#	Paper	IF	Citations
13	Characterization and Applications of Titanium alloy with Nickel and Niobium based Shape memory alloys by Molecular Dynamic Simulation: A review. *IOP Conference Series: Materials Science and Engineering*, **2020**, 912, 052027	0.4	
12	Effect of Stone-Thrower-Walls Defect on Mechanical Properties of Bi-layer Graphene - A Molecular Dynamics Study. *IOP Conference Series: Materials Science and Engineering*, **2020**, 912, 032084	0.4	
11	Two-Dimensional Nanomaterials and its Application as a Reverse Osmosis Membrane: An Overview. *IOP Conference Series: Materials Science and Engineering*, **2020**, 912, 032046	0.4	
10	Mechanical Properties of Graphene with Defects and Its Application in Nanocomposites: Brief Overview.. *IOP Conference Series: Materials Science and Engineering*, **2020**, 912, 052028	0.4	
9	Effect of topological defects on mechanical properties of graphene sheets: a molecular dynamics study. *Materials Today: Proceedings*, **2018**, 5, 6780-6788	1.4	4
8	Anomalous strength characteristics of Stone-Thrower-Wales defects in graphene sheets - a molecular dynamics study. *Physical Chemistry Chemical Physics*, **2018**, 20, 15203-15215	3.6	10
7	Effect of temperature and strain-rate on mechanical properties of defected graphene sheet: A molecular dynamics study. *IOP Conference Series: Materials Science and Engineering*, **2018**, 402, 012020	0.4	1
6	Enhancement of fracture toughness of graphene via crack bridging with stone-thrower-wales defects. *Diamond and Related Materials*, **2017**, 74, 90-99	3.5	24
5	Effect of Point and Line Defects on Mechanical and Thermal Properties of Graphene: A Review. *Critical Reviews in Solid State and Materials Sciences*, **2016**, 41, 47-71	10.1	90
4	Anisotropic compressive response of Stone□Thrower□Wales defects in graphene: A molecular dynamics study. *Materials Research Express*, **2016**, 3, 095015	1.7	9
3	Optimised cut-off function for Tersoff-like potentials for a BN nanosheet: a molecular dynamics study. *Nanotechnology*, **2016**, 27, 085706	3.4	44
2	Molecular dynamics study on the mechanical response and failure behaviour of graphene: performance enhancement via 5□7□7□5 defects. *RSC Advances*, **2016**, 6, 26361-26373	3.7	19
1	Tersoff potential with improved accuracy for simulating graphene in molecular dynamics environment. *Materials Research Express*, **2016**, 3, 035011	1.7	49