

Rajasekaran G

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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