

Jinbao Wang

List of Publications by Year in Descending Order

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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.

16 papers	207 citations	8 h-index	14 g-index
17 ext. papers	256 ext. citations	3.8 avg, IF	3.23 L-index

#	Paper	IF	Citations
16	A promising and cost-effective biochar adsorbent derived from jujube pit for the removal of Pb(II) from aqueous solution. <i>Scientific Reports</i> , 2020 , 10, 7473	4.9	11
15	A chirality-dependent peridynamic model for the fracture analysis of graphene sheets. <i>Mechanics of Materials</i> , 2020 , 149, 103535	3.3	6
14	Surface slip on rotating graphene membrane enables the temporal selectivity that breaks the permeability-selectivity trade-off. <i>Science Advances</i> , 2020 , 6, eaba9471	14.3	26
13	Critical Output Torque of a GHz CNT-Based Rotation Transmission System Via Axial Interface Friction at Low Temperature. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	3
12	Investigation on fracture of pre-cracked single-layer graphene sheets. <i>Computational Materials Science</i> , 2019 , 159, 365-375	3.2	9
11	Analytical solution of time fractional Cattaneo heat equation for finite slab under pulse heat flux. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2018 , 39, 1465-1476	3.2	8
10	Mesoporous silica nanoparticles with wrinkled structure as the matrix of myristic acid for the preparation of a promising new shape-stabilized phase change material simple method.. <i>RSC Advances</i> , 2018 , 8, 34224-34231	3.7	22
9	An ordinary state-based peridynamic model for the fracture of zigzag graphene sheets. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018 , 474, 20180019	2.4	11
8	Quasi-continuum study of the buckling behavior of single-walled carbon nanocones subjected to bending under thermal loading. <i>Journal of Materials Research</i> , 2017 , 32, 2266-2275	2.5	2
7	Novel Shape-Stabilized Phase Change Materials Composed of Polyethylene Glycol/Nonsurfactant-Templated Mesoporous Silica: Preparation and Thermal Properties. <i>Jom</i> , 2017 , 69, 2774-2778	2.1	7
6	Finite deformation of single-walled carbon nanocones under axial compression using a temperature-related multiscale quasi-continuum model. <i>Computational Materials Science</i> , 2016 , 114, 244-253	3.2	14
5	Analysis of free vibration of embedded multi-layered graphene sheets. <i>Procedia Engineering</i> , 2012 , 31, 641-646		3
4	Geometrical nonlinear free vibration of multi-layered graphene sheets. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 135401	3	51
3	Reassessing molecular sieving by kinked carbon nanotubes. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2011 , 19, 085009	2	6
2	Gas separation by kinked single-walled carbon nanotubes: Molecular dynamics simulations. <i>Physical Review B</i> , 2008 , 78,	3.3	24
1	Nonlinear Extension of Single-Walled Carbon Nanotubes Analyzed by a Continuum Model Based on a Higher-Order Cauchy-Born Rule. <i>Journal of Computational and Theoretical Nanoscience</i> , 2006 , 3, 798-802	9.3	4