

Bharat Bhushan Sharma

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	How Grain Boundaries and Interfacial Electrostatic Interactions Modulate Water Desalination via Nanoporous Hexagonal Boron Nitride. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1284-1300.	2.6	7
2	Fracture Toughness Enhancement of Boron Nitride Nanosheets via Crack Edge Passivation Using Various Radicals. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 111-117.	0.4	1
3	Fracture behaviour of pristine and defective form of water submerged h-BN nanosheets. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 035306.	2.8	4
4	A review on thermo-mechanical properties of bi-crystalline and polycrystalline 2D nanomaterials. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2020, 45, 134-170.	12.3	31
5	Mechanical and fracture behaviour of hydroxyl functionalized h-BN nanosheets. <i>Journal of Materials Science</i> , 2020, 55, 3228-3242.	3.7	17
6	Inter-granular fracture toughness of bi-crystalline graphene nanosheets. <i>Diamond and Related Materials</i> , 2020, 102, 107667.	3.9	21
7	Mechanical strength of a nanoporous bicrystalline h-BN nanomembrane in a water submerged state. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20453-20465.	2.8	19
8	Atomistic simulations to study the effect of water molecules on the mechanical behavior of functionalized and non-functionalized boron nitride nanosheets. <i>Computational Materials Science</i> , 2019, 169, 109092.	3.0	22
9	Atomistic simulations to study the effect of grain boundaries and hydrogen functionalization on the fracture toughness of bi-crystalline h-BN nanosheets. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 13116-13125.	2.8	21
10	Mechanical and fracture behavior of water submerged graphene. <i>Journal of Applied Physics</i> , 2019, 125, 215107.	2.5	21
11	Defect formation dynamics in dry and water submerged graphene nanosheets. <i>Materials Research Express</i> , 2019, 6, 075063.	1.6	12