

Pritam Das

List of Publications by Year in descending order

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19
docs citations

19
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and mechanical evolution of TiAlSiN nanocomposite coating under influence of Si ₃ N ₄ power. Surface and Coatings Technology, 2016, 307, 676-682.	4.8	30
2	Superhydrophobic to hydrophilic transition of multi-walled carbon nanotubes induced by Na + ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2017, 413, 31-36.	1.4	23
3	Ion beam engineered hydrogen titanate nanotubes for superior energy storage application. Electrochimica Acta, 2021, 371, 137774.	5.2	19
4	Superior electrical conduction of a water repelling 3D interconnected nano-network. Journal of Materials Chemistry C, 2018, 6, 1951-1958.	5.5	18
5	Joining of two different ceramic nanomaterials for bottom-up fabrication of heterojunction devices. Applied Surface Science, 2019, 478, 651-660.	6.1	18
6	Nanoscale modification of one-dimensional single-crystalline cuprous oxide. Nanotechnology, 2019, 30, 365304.	2.6	14
7	Tunable Wettability and Conductivity of the Graphene Oxide Surface with Insights from Density Functional Theory and Molecular Dynamics Investigations. Journal of Physical Chemistry C, 2020, 124, 10541-10549.	3.1	13
8	Moisture repelling perovskite nanowires for higher stability in energy applications. Applied Surface Science, 2020, 527, 146683.	6.1	13
9	Temporal wetting property of μm -versus Nano -rods of ZnO grown using the pressure dependent aqueous solution method. New Journal of Chemistry, 2015, 39, 8993-8998.	2.8	9
10	Formation of core-shell nanostructure through wrapping of cuprous oxide nanowires by hydrogen titanate nanotubes. Radiation Physics and Chemistry, 2022, 196, 110103.	2.8	7
11	Electron Beam Modulated Wettability and Electrical Conductivity of Hydrogen Titanate Nanowires. Journal of Physical Chemistry C, 2021, 125, 16191-16199.	3.1	6
12	Development of polymer-based superhydrophobic coating on cloth. Bulletin of Materials Science, 2020, 43, 1.	1.7	6
13	Alteration of Wettability of Copper-Copper Oxide Nanocomposites through Cu-O Bond Breaking Swayed by Ultraviolet and Electron Irradiation. Langmuir, 2021, 37, 3299-3308.	3.5	5
14	Effect of TiO_2 particle size in the synthesis of highly pure Ti_3SiC_2 nanocomposites. Ti_3SiC_2 SiC	3.5	5
15	Tuning surface wettability of molybdenum oxide nanorod mesh by low energy ion beam irradiation. Radiation Physics and Chemistry, 2021, 188, 109649.	2.8	4
16	Tuning wettability of hydrogen titanate nanowire mesh by Na+ irradiation. AIP Conference Proceedings, 2018, , .	0.4	3
17	Effects of hexamethylenetetramine (HMTA) on the aqueous solution structure, dynamics and ion solvation scenario: A concentration and temperature dependent study with potential HMTA models. Journal of Molecular Liquids, 2019, 296, 111820.	4.9	3
18	Ion beam joining of ceramic and carbon-based nanostructures. Applied Surface Science, 2021, 554, 149616.	6.1	2

#	ARTICLE	IF	CITATIONS
19	Evaluating the microstructure and mechanical performance of sputtered TiAlBN nanocomposite coating. AIP Conference Proceedings, 2017, , .	0.4	0