

Pritam Das

List of Publications by Year in descending order

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19
papers

198
citations

1040056

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h-index

1058476

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19
all docs

19
docs citations

19
times ranked

127
citing authors

#	ARTICLE TITLE	IF	CITATIONS
1	Effect of TiO_2 particle size in the synthesis of highly pure TiC. <i>Radiation Physics and Chemistry</i> , 2022, 196, 110103.	3.5	5
2	Formation of core-shell nanostructure through wrapping of cuprous oxide nanowires by hydrogen titanate nanotubes. <i>Radiation Physics and Chemistry</i> , 2022, 196, 110103.	2.8	7
3	Alteration of Wettability of Copper Oxide Nanocomposites through Cu-O Bond Breaking Swayed by Ultraviolet and Electron Irradiation. <i>Langmuir</i> , 2021, 37, 3299-3308.	3.5	5
4	Ion beam engineered hydrogen titanate nanotubes for superior energy storage application. <i>Electrochimica Acta</i> , 2021, 371, 137774.	5.2	19
5	Ion beam joining of ceramic and carbon-based nanostructures. <i>Applied Surface Science</i> , 2021, 554, 149616.	6.1	2
6	Electron Beam Modulated Wettability and Electrical Conductivity of Hydrogen Titanate Nanowires. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16191-16199.	3.1	6
7	Tuning surface wettability of molybdenum oxide nanorod mesh by low energy ion beam irradiation. <i>Radiation Physics and Chemistry</i> , 2021, 188, 109649.	2.8	4
8	Tunable Wettability and Conductivity of the Graphene Oxide Surface with Insights from Density Functional Theory and Molecular Dynamics Investigations. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10541-10549.	3.1	13
9	Moisture repelling perovskite nanowires for higher stability in energy applications. <i>Applied Surface Science</i> , 2020, 527, 146683.	6.1	13
10	Development of polymer-based superhydrophobic coating on cloth. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	6
11	Effects of hexamethylenetetramine (HMTA) on the aqueous solution structure, dynamics and ion solvation scenario: A concentration and temperature dependent study with potential HMTA models. <i>Journal of Molecular Liquids</i> , 2019, 296, 111820.	4.9	3
12	Nanoscale modification of one-dimensional single-crystalline cuprous oxide. <i>Nanotechnology</i> , 2019, 30, 365304.	2.6	14
13	Joining of two different ceramic nanomaterials for bottom-up fabrication of heterojunction devices. <i>Applied Surface Science</i> , 2019, 478, 651-660.	6.1	18
14	Superior electrical conduction of a water repelling 3D interconnected nano-network. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1951-1958.	5.5	18
15	Tuning wettability of hydrogen titanate nanowire mesh by Na ⁺ irradiation. <i>AIP Conference Proceedings</i> , 2018, . .	0.4	3
16	Superhydrophobic to hydrophilic transition of multi-walled carbon nanotubes induced by Na ⁺ ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 413, 31-36.	1.4	23
17	Evaluating the microstructure and mechanical performance of sputtered TiAlBN nanocomposite coating. <i>AIP Conference Proceedings</i> , 2017, . .	0.4	0
18	Structural and mechanical evolution of TiAlSiN nanocomposite coating under influence of Si ₃ N ₄ power. <i>Surface and Coatings Technology</i> , 2016, 307, 676-682.	4.8	30

#	ARTICLE	IF	CITATIONS
19	Temporal wetting property of "Micro" versus "Nano" rods of ZnO grown using the pressure dependent aqueous solution method. New Journal of Chemistry, 2015, 39, 8993-8998.	2.8	9