Shyamal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7830827/publications.pdf

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16	212	933447 10	996975 15
papers	citations	h-index	g-index

16	16	16	104
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesive hydrophobicity of Cu₂O nano-columnar arrays induced by nitrogen ion irradiation. Soft Matter, 2015, 11, 9211-9217.	2.7	24
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	Nano-welding and junction formation in hydrogen titanate nanowires by low-energy nitrogen ion irradiation. Nanotechnology, 2015, 26, 235601.	2.6	21
4	Ion beam engineered hydrogen titanate nanotubes for superior energy storage application. Electrochimica Acta, 2021, 371, 137774.	5.2	19
5	Superior electrical conduction of a water repelling 3D interconnected nano-network. Journal of Materials Chemistry C, 2018, 6, 1951-1958.	5.5	18
6	Joining of two different ceramic nanomaterials for bottom-up fabrication of heterojunction devices. Applied Surface Science, 2019, 478, 651-660.	6.1	18
7	Discrete Single Crystalline Titanium Oxide Nanoparticle Formation from a Two-Dimensional Nanowelded Network. Crystal Growth and Design, 2017, 17, 2660-2666.	3.0	16
8	Metal oxides as buffer layers for CZTS based solar cells: A numerical analysis by SCAPS-1D software. Optical Materials, 2022, 131, 112734.	3.6	16
9	Nanoscale modification of one-dimensional single-crystalline cuprous oxide. Nanotechnology, 2019, 30, 365304.	2.6	14
10	Moisture repelling perovskite nanowires for higher stability in energy applications. Applied Surface Science, 2020, 527, 146683.	6.1	13
11	Broad Beam-Induced Fragmentation and Joining of Tungsten Oxide Nanorods: Implications for Nanodevice Fabrication and the Development of Fusion Reactors. ACS Applied Nano Materials, 2020, 3, 9064-9075.	5.0	10
12	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
13	Electron Beam Modulated Wettability and Electrical Conductivity of Hydrogen Titanate Nanowires. Journal of Physical Chemistry C, 2021, 125, 16191-16199.	3.1	6
14	Tuning surface wettability of molybdenum oxide nanorod mesh by low energy ion beam irradiation. Radiation Physics and Chemistry, 2021, 188, 109649.	2.8	4
15	Ion beam joining of ceramic and carbon-based nanostructures. Applied Surface Science, 2021, 554, 149616.	6.1	2
16	Ion beam joining of similar and dissimilar materials. , 2022, , 79-123.		1