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