Ragavendran Venkatesan

List of Publications by Year
in descending order

19 papers	212 citations	1039880 9 h-index	1058333 14 g-index
20 all docs	20 docs citations	20 times ranked	273 citing authors

#	Article	IF	Citations
1	Effects of silver catalyst concentration in metal assisted chemical etching of silicon. Materials Letters, 2018, 221, 206-210.	1.3	42
2	Solution-based synthesis of high yield CZTS (Cu 2 ZnSnS 4) spherical quantum dots. Superlattices and Microstructures, 2015, 77, 305-312.	1.4	26
3	Dual morphology titanium dioxide for dye sensitized solar cells. Ceramics International, 2019, 45, 7268-7277.	2.3	19
4	Influence of metal assisted chemical etching time period on mesoporous structure in as-cut upgraded metallurgical grade silicon for solar cell application. Journal of Materials Science: Materials in Electronics, 2019, 30, 8676-8685.	1.1	18
5	Micro-Raman Scattering of Nanoscale Silicon in Amorphous and Porous Silicon. Zeitschrift Fur Physikalische Chemie, 2017, 231, 1585-1598.	1.4	16
6	Influence of tin (IV) doping on structural and optical properties of rhombohedral barium titanate (BaTiO3). Materials Today: Proceedings, 2021, 35, 13-16.	0.9	16
7	Photoinduced electrical bistability of sputter deposited CdZnTe thin films. Materials Research Express, 2018, 5, 026412.	0.8	15
8	Technical review: Improvement of mechanical properties and suitability towards armor applications â€“ Alumina composites. Ceramics International, 2021, 47, 23693-23701.	2.3	15
9	Novel silver nanoparticles/activated carbon co-doped titania nanoparticles for enhanced antibacterial activity. Materials Letters, 2020, 258, 126775.	1.3	14
10	Chemical Synthesis and Characterization of Nano Alumina, Nano Composite of Carbonâ€“Alumina and Their Comparative Studies. Zeitschrift Fur Physikalische Chemie, 2018, 232, 1827-1842.	1.4	7
11	Screen printed multifunctional TiO2 photoanode with plasmonic Ag nanoparticles for performance enhancement of dye sensitized solar cell. Materials Letters, 2020, 276, 128194.	1.3	7
12	The use of urea as an Nâ€doping 3D hierarchical preserving agent for titanium dioxide nanostructures tailored for dyeâ€sensitized solar cells. International Journal of Energy Research, 2022, 46, 9533-9548.	2.2	6
13	Misidentification of hexagonal phase as barium carbonate during chemical synthesis of barium titanate nanopowders. Materials Today: Proceedings, 2020, 23, 81-84.	0.9	2
14	Investigating antireflection properties of hybrid silicon nanostructures comprising rod-like nanopores and nano-textured surface. Materials Letters, 2020, 275, 128087.	1.3	2
15	Carbon-dioxide as annealing atmosphere to retain the electrical properties of indium-tin oxide. Materials Letters, 2020, 276, 128195.	1.3	2
16	One step solvothermal synthesis and characterization of rGO/NiO nanocomposites. Materials Today: Proceedings, 2021, 35, 17-22.	0.9	2
17	Reinforcement of alumina with carbon nano cones and characterization. Materials Today: Proceedings, 2021, 35, 57-61.	0.9	1
18	The Effects of Substrate Temperature on the Growth, Microstructural and Magnetic Properties of Gadolinium-Containing Films on Aluminum Nitride. Surfaces, 2022, 5, 321-333.	1.0	1

#	Article	IF	Citations
19	Mechanical, Structural and Optical Properties of the Silicon Nanowire Arrays. Zeitschrift Fur Physikalische Chemie, 2021, 235, 497-509.	1.4	0