

# Ragavendran Venkatesan

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

212  
citations

1039406

9  
h-index

1058022

14  
g-index

20  
all docs

20  
docs citations

20  
times ranked

273  
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of urea as an N-doping 3D hierarchical preserving agent for titanium dioxide nanostructures tailored for dye-sensitized solar cells. <i>International Journal of Energy Research</i> , 2022, 46, 9533-9548.	2.2	6
2	The Effects of Substrate Temperature on the Growth, Microstructural and Magnetic Properties of Gadolinium-Containing Films on Aluminum Nitride. <i>Surfaces</i> , 2022, 5, 321-333.	1.0	1
3	Mechanical, Structural and Optical Properties of the Silicon Nanowire Arrays. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 497-509.	1.4	0
4	One step solvothermal synthesis and characterization of rGO/NiO nanocomposites. <i>Materials Today: Proceedings</i> , 2021, 35, 17-22.	0.9	2
5	Reinforcement of alumina with carbon nano cones and characterization. <i>Materials Today: Proceedings</i> , 2021, 35, 57-61.	0.9	1
6	Influence of tin (IV) doping on structural and optical properties of rhombohedral barium titanate (BaTiO <sub>3</sub> ). <i>Materials Today: Proceedings</i> , 2021, 35, 13-16.	0.9	16
7	Technical review: Improvement of mechanical properties and suitability towards armor applications of Alumina composites. <i>Ceramics International</i> , 2021, 47, 23693-23701.	2.3	15
8	Novel silver nanoparticles/activated carbon co-doped titania nanoparticles for enhanced antibacterial activity. <i>Materials Letters</i> , 2020, 258, 126775.	1.3	14
9	Misidentification of hexagonal phase as barium carbonate during chemical synthesis of barium titanate nanopowders. <i>Materials Today: Proceedings</i> , 2020, 23, 81-84.	0.9	2
10	Investigating antireflection properties of hybrid silicon nanostructures comprising rod-like nanopores and nano-textured surface. <i>Materials Letters</i> , 2020, 275, 128087.	1.3	2
11	Screen printed multifunctional TiO <sub>2</sub> photoanode with plasmonic Ag nanoparticles for performance enhancement of dye sensitized solar cell. <i>Materials Letters</i> , 2020, 276, 128194.	1.3	7
12	Carbon-dioxide as annealing atmosphere to retain the electrical properties of indium-tin oxide. <i>Materials Letters</i> , 2020, 276, 128195.	1.3	2
13	Influence of metal assisted chemical etching time period on mesoporous structure in as-cut upgraded metallurgical grade silicon for solar cell application. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8676-8685.	1.1	18
14	Dual morphology titanium dioxide for dye sensitized solar cells. <i>Ceramics International</i> , 2019, 45, 7268-7277.	2.3	19
15	Photoinduced electrical bistability of sputter deposited CdZnTe thin films. <i>Materials Research Express</i> , 2018, 5, 026412.	0.8	15
16	Effects of silver catalyst concentration in metal assisted chemical etching of silicon. <i>Materials Letters</i> , 2018, 221, 206-210.	1.3	42
17	Chemical Synthesis and Characterization of Nano Alumina, Nano Composite of Carbon-Alumina and Their Comparative Studies. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018, 232, 1827-1842.	1.4	7
18	Micro-Raman Scattering of Nanoscale Silicon in Amorphous and Porous Silicon. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 1585-1598.	1.4	16

#	ARTICLE	IF	CITATIONS
19	Solution-based synthesis of high yield CZTS (Cu <sub>2</sub> ZnSnS <sub>4</sub> ) spherical quantum dots. Superlattices and Microstructures, 2015, 77, 305-312.	1.4	26