Sonal Padalkar

List of Publications by Year
in descending order

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21 papers	605 citations	840119 11 h-index	839053 18 g-index
21 all docs	21 docs citations	21 times ranked	1154 citing authors

#	Article	IF	Citations
1	Sensitive Biosensor Based on Shape-Controlled ZnO Nanostructures Grown on Flexible Porous Substrate for Pesticide Detection. Sensors, 2022, 22, 3522.	2.1	12
2	Influence of Zinc Oxide Nanostructure Morphology on its Photocatalytic Properties. Current Nanoscience, 2022, 18, .	0.7	0
3	Two C-terminal sequence variations determine differential neurotoxicity between human and mouse Î±-synuclein. Molecular Neurodegeneration, 2020, 15, 49.	4.4	6
4	Formation of Size and Density Controlled Nanostructures by Galvanic Displacement. Nanomaterials, 2020, 10, 644.	1.9	6
5	Cerium Oxide Based Glucose Biosensors: Influence of Morphology and Underlying Substrate on Biosensor Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 8083-8089.	3.2	31
6	The Effect of Agglomeration Reduction on the Tribological Behavior of WS2 and MoS2 Nanoparticle Additives in the Boundary Lubrication Regime. Lubricants, 2018, 6, 106.	1.2	14
7	Electrodeposition of Gold Nanostructures Having Controlled Morphology. Journal of Nanoscience and Nanotechnology, 2018, 18, 3492-3498.	0.9	9
8	Utilization of Inexpensive Carbon-Based Substrates as Platforms for Sensing. Sensors, 2018, 18, 2444.	2.1	10
9	Exploring the Efficacy of Platinum and Palladium Nanostructures for Organic Molecule Detection via Raman Spectroscopy. Sensors, 2018, 18, 147.	2.1	17
10	Effect of gold underlayer on copper(I) oxide photocathode performance. Journal of Materials Research, 2017, 32, 1656-1664.	1.2	6
11	Exploring the Influence of Au Underlayer Thickness on Photocathode Performance. ECS Transactions, 2017, 80, 1049-1055.	0.3	2
12	Ceria Nanostructures as Biosensing Platform for Glucose Sensing. ECS Transactions, 2017, 80, 1269-1275.	0.3	0
13	Size Controlled Copper (I) Oxide Nanoparticles Influence Sensitivity of Glucose Biosensor. Sensors, 2017, 17, 1944.	2.1	42
14	Effect of citrate ratio and temperature on gold nanoparticle size and morphology. Materials Research Express, 2016, 3, 105027.	0.8	61
15	Data Intensive Imaging for 3D Atom Probe. Microscopy and Microanalysis, 2014, 20, 812-813.	0.2	0
16	Spatial Mapping of Efficiency of GaN/InGaN Nanowire Array Solar Cells Using Scanning Photocurrent Microscopy. Nano Letters, 2013, 13, 5123-5128.	4.5	76
17	Three-Dimensional Mapping of Quantum Wells in a GaN/InGaN Coreâ€“Shell Nanowire Light-Emitting Diode Array. Nano Letters, 2013, 13, 4317-4325.	4.5	96
18	Electron Tomography of Au-Catalyzed Semiconductor Nanowires. Journal of Physical Chemistry C, 2013, 117, 1059-1063.	1.5	12

#	Article	IF	Citations
19	Self-assembly and alignment of semiconductor nanoparticles on cellulose nanocrystals. Journal of Materials Science, 2011, 46, 5672-5679.	1.7	37
20	Natural Biopolymers: Novel Templates for the Synthesis of Nanostructures. Langmuir, 2010, 26, 8497-8502.	1.6	167
21	Preparation of biomolecule gel matrices for electron microscopy. Ultramicroscopy, 2008, 108, 309-313.	0.8	1