

# Sonal Padalkar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3031209/publications.pdf>

Version: 2024-02-01

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	Natural Biopolymers: Novel Templates for the Synthesis of Nanostructures. <i>Langmuir</i> , 2010, 26, 8497-8502.	1.6	167
2	Three-Dimensional Mapping of Quantum Wells in a GaN/InGaN Core-Shell Nanowire Light-Emitting Diode Array. <i>Nano Letters</i> , 2013, 13, 4317-4325.	4.5	96
3	Spatial Mapping of Efficiency of GaN/InGaN Nanowire Array Solar Cells Using Scanning Photocurrent Microscopy. <i>Nano Letters</i> , 2013, 13, 5123-5128.	4.5	76
4	Effect of citrate ratio and temperature on gold nanoparticle size and morphology. <i>Materials Research Express</i> , 2016, 3, 105027.	0.8	61
5	Size Controlled Copper (I) Oxide Nanoparticles Influence Sensitivity of Glucose Biosensor. <i>Sensors</i> , 2017, 17, 1944.	2.1	42
6	Self-assembly and alignment of semiconductor nanoparticles on cellulose nanocrystals. <i>Journal of Materials Science</i> , 2011, 46, 5672-5679.	1.7	37
7	Cerium Oxide Based Glucose Biosensors: Influence of Morphology and Underlying Substrate on Biosensor Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8083-8089.	3.2	31
8	Exploring the Efficacy of Platinum and Palladium Nanostructures for Organic Molecule Detection via Raman Spectroscopy. <i>Sensors</i> , 2018, 18, 147.	2.1	17
9	The Effect of Agglomeration Reduction on the Tribological Behavior of WS <sub>2</sub> and MoS <sub>2</sub> Nanoparticle Additives in the Boundary Lubrication Regime. <i>Lubricants</i> , 2018, 6, 106.	1.2	14
10	Electron Tomography of Au-Catalyzed Semiconductor Nanowires. <i>Journal of Physical Chemistry C</i> , 2013, 117, 1059-1063.	1.5	12
11	Sensitive Biosensor Based on Shape-Controlled ZnO Nanostructures Grown on Flexible Porous Substrate for Pesticide Detection. <i>Sensors</i> , 2022, 22, 3522.	2.1	12
12	Utilization of Inexpensive Carbon-Based Substrates as Platforms for Sensing. <i>Sensors</i> , 2018, 18, 2444.	2.1	10
13	Electrodeposition of Gold Nanostructures Having Controlled Morphology. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3492-3498.	0.9	9
14	Effect of gold underlayer on copper(I) oxide photocathode performance. <i>Journal of Materials Research</i> , 2017, 32, 1656-1664.	1.2	6
15	Two C-terminal sequence variations determine differential neurotoxicity between human and mouse $\alpha$ -synuclein. <i>Molecular Neurodegeneration</i> , 2020, 15, 49.	4.4	6
16	Formation of Size and Density Controlled Nanostructures by Galvanic Displacement. <i>Nanomaterials</i> , 2020, 10, 644.	1.9	6
17	Exploring the Influence of Au Underlayer Thickness on Photocathode Performance. <i>ECS Transactions</i> , 2017, 80, 1049-1055.	0.3	2
18	Preparation of biomolecule gel matrices for electron microscopy. <i>Ultramicroscopy</i> , 2008, 108, 309-313.	0.8	1

#	ARTICLE	IF	CITATIONS
19	Data Intensive Imaging for 3D Atom Probe. Microscopy and Microanalysis, 2014, 20, 812-813.	0.2	0
20	Ceria Nanostructures as Biosensing Platform for Glucose Sensing. ECS Transactions, 2017, 80, 1269-1275.	0.3	0
21	Influence of Zinc Oxide Nanostructure Morphology on its Photocatalytic Properties. Current Nanoscience, 2022, 18, .	0.7	0