

Ananta G Dhodamani

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

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citations

687220

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22
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827
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced photocatalytic performance of ultrasound treated GO/TiO ₂ composite for photocatalytic degradation of salicylic acid under sunlight illumination. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104849.	3.8	124
2	Structural and Optical Properties of Nanocrystalline TiO ₂ with Multiwalled Carbon Nanotubes and Its Photovoltaic Studies Using Ru(II) Sensitizers. <i>ACS Omega</i> , 2018, 3, 2743-2756.	1.6	74
3	Multi-applicative tetragonal TiO ₂ /SnO ₂ nanocomposites for photocatalysis and gas sensing. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 115, 127-136.	1.9	64
4	Sulfated TiO ₂ /WO ₃ nanocomposite: An efficient photocatalyst for degradation of Congo red and methyl red dyes under visible light irradiation. <i>Materials Chemistry and Physics</i> , 2019, 225, 247-255.	2.0	63
5	Visible light photo-induced antibacterial activity of TiO ₂ -MWCNTs nanocomposites with varying the contents of MWCNTs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 328, 50-58.	2.0	62
6	Interfacially Interactive Ternary Silver-Supported Polyaniline/Multiwalled Carbon Nanotube Nanocomposites for Catalytic and Antibacterial Activity. <i>ACS Omega</i> , 2020, 5, 219-227.	1.6	58
7	In situ sol-gel synthesis of anatase TiO ₂ -MWCNTs nanocomposites and their photocatalytic applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 333, 40-48.	2.0	53
8	A simple strategy for the anchoring of anatase titania on multi-walled carbon nanotubes for solar energy harvesting. <i>Solar Energy</i> , 2017, 149, 188-194.	2.9	35
9	Different Strategies for Modification of Titanium Dioxide as Heterogeneous Catalyst in Chemical Transformations. <i>Current Organic Chemistry</i> , 2017, 21, 821-833.	0.9	30
10	Efficient degradation of Azorubin S colourant in the commercial jam-jelly food samples using TiO ₂ -CoFe ₂ O ₄ nanocomposites in visible light. <i>Materials Research Bulletin</i> , 2017, 89, 79-88.	2.7	26
11	Molecular self-assembled designing and characterization of TiO ₂ NPs-CdS QDs-dye composite for photoanode materials. <i>Materials Characterization</i> , 2018, 139, 337-346.	1.9	25
12	Structural refinement and electrochemical properties of one dimensional (ZnO NRs) ₁ ×(CNs) _x functional hybrids for serotonin sensing studies. <i>Scientific Reports</i> , 2020, 10, 15955.	1.6	17
13	NH ₃ gas sensing performance of ternary TiO ₂ /SnO ₂ /WO ₃ hybrid nanostructures prepared by ultrasonic-assisted sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11830-11839.	1.1	14
14	Synergistics of Cr(III) doping in TiO ₂ /MWCNTs nanocomposites: Their enhanced physicochemical properties in relation to photovoltaic studies. <i>Solar Energy</i> , 2020, 201, 398-408.	2.9	12
15	Ultrasonochemically Modified Ag@TiO ₂ Nanocomposites as Potent Antibacterial Agent in the Paint Formulation for Surface Disinfection. <i>ChemistrySelect</i> , 2021, 6, 113-122.	0.7	11
16	Compositional Dependent Physicochemical and Photovoltaic Properties of the (TiO ₂) ₁ ×(RGO) _x Nanocomposites for Sensitized Solar Cells Using Ru(II) Dyes. <i>ChemistrySelect</i> , 2019, 4, 1055-1068.	0.7	10
17	Catalytic Reclamation of Silver Present in Photographic Waste Using Magnetically Separable TiO ₂ @CuFe ₂ O ₄ Nanocomposites and Thereof Its Use in Antibacterial Activity. <i>ACS Omega</i> , 2020, 5, 1098-1108.	1.6	10
18	Structural Refinement and Optoelectronic Properties of (Mo _x Ti _{1-2x} O ₂) ₁ ×(RGO) _y Nanocomposites and Their Photovoltaic Studies with Natural Pigments as Sensitizers. <i>ChemistrySelect</i> , 2020, 5, 218-230.	0.7	5

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19	Noncovalent interactions based self-assembled bichromophoric sensitizer for dye-sensitized solar cells. Journal of Solid State Electrochemistry, 2019, 23, 1099-1107.	1.2	3
20	Effect of Mn ²⁺ Substitution into the Host Lattice of ZnO via sol-gel Route for Boosting the Dye-Sensitized Solar Cells Performance. Chemical Papers, 2021, 75, 4001-4017.	1.0	3
21	Compositional-dependent enhanced physicochemical and photovoltaic studies of nanocrystalline Ti _{1-x} FexO ₂ -I ⁻ photoelectrodes co-sensitized with CdS QDs-N719 dye. Journal of Solid State Electrochemistry, 2022, 26, 1075-1084.	1.2	2