

Archita Bhattacharjee

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22
papers

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h-index

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24
ext. papers

829
ext. citations

4.5
avg, IF

4.84
L-index

#	Paper	IF	Citations
22	A novel approach for the synthesis of SnO ₂ nanoparticles and its application as a catalyst in the reduction and photodegradation of organic compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 136 Pt B, 751-60	4.4	88
21	CuO nanostructures: facile synthesis and applications for enhanced photodegradation of organic compounds and reduction of p-nitrophenol from aqueous phase. <i>RSC Advances</i> , 2016 , 6, 41348-41363	3.7	86
20	Facile synthesis of SnO ₂ quantum dots and its photocatalytic activity in the degradation of eosin Y dye: A green approach. <i>Materials Letters</i> , 2015 , 139, 418-421	3.3	59
19	Photocatalytic-degradation and reduction of organic compounds using SnO ₂ quantum dots (via a green route) under direct sunlight. <i>RSC Advances</i> , 2015 , 5, 66122-66133	3.7	54
18	Photodegradation of methyl violet 6B and methylene blue using tin-oxide nanoparticles (synthesized via a green route). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 325, 116-124	4.7	46
17	Microwave assisted facile and green route for synthesis of CuO nanoleaves and their efficacy as a catalyst for reduction and degradation of hazardous organic compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 353, 215-228	4.7	42
16	A novel and green process for the production of tin oxide quantum dots and its application as a photocatalyst for the degradation of dyes from aqueous phase. <i>Journal of Colloid and Interface Science</i> , 2015 , 448, 130-9	9.3	40
15	A green and novel approach for the synthesis of SnO ₂ nanoparticles and its exploitation as a catalyst in the degradation of methylene blue under solar radiation. <i>Materials Letters</i> , 2015 , 145, 74-78	3.3	38
14	Green synthesis of 2D CuO nanoleaves (NLs) and its application for the reduction of p-nitrophenol. <i>Materials Letters</i> , 2015 , 161, 79-82	3.3	37
13	Surfactant effects on the synthesis of durable tin-oxide nanoparticles and its exploitation as a recyclable catalyst for the elimination of toxic dye: a green and efficient approach for wastewater treatment. <i>RSC Advances</i> , 2014 , 4, 51418-51429	3.7	37
12	A simple approach for the synthesis of silver nanoparticles and their application as a catalyst for the photodegradation of methyl violet 6B dye under solar irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 2269-2279	6.8	37
11	A green approach for the synthesis of SnO ₂ nanoparticles and its application in the reduction of p-nitrophenol. <i>Materials Letters</i> , 2015 , 157, 260-264	3.3	37
10	Lithium dodecyl sulphate assisted synthesis of Ag nanoparticles and its exploitation as a catalyst for the removal of toxic dyes. <i>Journal of Molecular Liquids</i> , 2015 , 201, 113-123	6	26
9	Biomimetic synthesis of silver nanoparticles using the fish scales of <i>Labeo rohita</i> and their application as catalysts for the reduction of aromatic nitro compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 131, 413-23	4.4	26
8	Amino acid mediated synthesis of luminescent SnO ₂ nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 22, 138-146	6.3	16
7	Facile synthesis of 2-dimensional CuO nanoleaves and their degradation behavior for Eosin Y. <i>Materials Letters</i> , 2015 , 161, 20-25	3.3	13
6	Facile synthesis of 2D CuO nanoleaves for the catalytic elimination of hazardous and toxic dyes from aqueous phase: a sustainable approach. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 11668-76	5.1	9

- 5 Enzyme-mimetic activity of sugar cane juice stabilized CuO nanospheres and CuO/GO nanocomposite: Green synthesis and applications. *Colloids and Interface Science Communications*, **2020**, 35, 100239 5.4 8
- 4 A new facile strategy for the synthesis of 1-dimensional CuO nanostructures and their reduction performance. *Materials Letters*, **2016**, 166, 171-174 3.3 7
- 3 A facile and green strategy for the synthesis of 1-dimensional luminescent ZnO nanorods and their reduction behavior for aromatic nitro-compounds. *RSC Advances*, **2016**, 6, 527-533 3.7 6
- 2 β Amino acid assisted facile synthesis of two-dimensional ZnO nanotriangles for removal of noxious pollutants from water phase. *Journal of Environmental Chemical Engineering*, **2018**, 6, 4970-4979^{6.8} 3
- 1 Composite Porous Liquid for Recyclable Sequestration, Storage and In Situ Catalytic Conversion of Carbon Dioxide at Room Temperature. *ChemSusChem*, **2021**, 14, 3303-3314 8.3 3