

Kavita Sahu

List of Publications by Year in descending order

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papers

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394421

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docs citations

29
times ranked

943
citing authors

#	ARTICLE	IF	CITATIONS
1	Atom beam sputtered Ag-TiO ₂ plasmonic nanocomposite thin films for photocatalytic applications. Applied Surface Science, 2017, 411, 347-354.	6.1	82
2	Facile synthesis of Au-ZnO plasmonic nanohybrids for highly efficient photocatalytic degradation of methylene blue. Optical Materials, 2017, 64, 47-52.	3.6	77
3	Facile synthesis of ZnO nanoplates and nanoparticle aggregates for highly efficient photocatalytic degradation of organic dyes. Journal of Physics and Chemistry of Solids, 2018, 121, 186-195.	4.0	69
4	Two-dimensional CuO-ZnO nanohybrids with enhanced photocatalytic performance for removal of pollutants. Journal of Physics and Chemistry of Solids, 2020, 137, 109223.	4.0	61
5	Thermal evolution of morphological, structural, optical and photocatalytic properties of CuO thin films. Nano Structures Nano Objects, 2019, 17, 92-102.	3.5	58
6	Template-free and surfactant-free synthesis of CeO ₂ nanodiscs with enhanced photocatalytic activity. Applied Surface Science, 2020, 503, 144102.	6.1	57
7	Catalytic reduction of 4-nitrophenol and photocatalytic degradation of organic pollutants in water by copper oxide nanosheets. Optical Materials, 2019, 93, 58-69.	3.6	54
8	Facile synthesis, structural and optical properties of Au-TiO ₂ plasmonic nanohybrids for photocatalytic applications. Journal of Physics and Chemistry of Solids, 2019, 135, 109100.	4.0	42
9	Facile wet chemical synthesis of ZnO nanosheets: Effects of counter ions on the morphological, structural, optical and photocatalytic properties. Ceramics International, 2018, 44, 23094-23101.	4.8	40
10	RF magnetron sputtered Ag-Cu ₂ O-CuO nanocomposite thin films with highly enhanced photocatalytic and catalytic performance. Applied Surface Science, 2020, 517, 146169.	6.1	38
11	Enhanced catalytic activity of CuO/Cu ₂ O hybrid nanowires for reduction of 4-nitrophenol in water. Journal of Physics and Chemistry of Solids, 2020, 136, 109143.	4.0	37
12	Rapid synthesis of ZnO nanowires and nanoplates with highly enhanced photocatalytic performance. Applied Surface Science, 2021, 541, 148484.	6.1	31
13	Ion beam engineering of morphological, structural, optical and photocatalytic properties of Ag-TiO ₂ -PVA nanocomposite thin film. Ceramics International, 2019, 45, 7976-7983.	4.8	27
14	Facile Synthesis and Phase-Dependent Catalytic Activity of Cabbage-Type Copper Oxide Nanostructures for Highly Efficient Reduction of 4-Nitrophenol. Catalysis Letters, 2019, 149, 2519-2527.	2.6	23
15	Engineering of morphological, optical, structural, photocatalytic and catalytic properties of nanostructured CuO thin films fabricated by reactive DC magnetron sputtering. Ceramics International, 2020, 46, 7499-7509.	4.8	23
16	Morphology Controlled CuO Nanostructures for Efficient Catalytic Reduction of 4-Nitrophenol. Catalysis Letters, 2020, 150, 471-481.	2.6	21
17	Thermal annealing induced strong photoluminescence enhancement in Ag-TiO ₂ plasmonic nanocomposite thin films. Journal of Alloys and Compounds, 2019, 786, 750-757.	5.5	20
18	Thickness dependent optical, structural, morphological, photocatalytic and catalytic properties of radio frequency magnetron sputtered nanostructured Cu ₂ O-CuO thin films. Ceramics International, 2020, 46, 14902-14912.	4.8	20

#	ARTICLE	IF	CITATIONS
19	Photocatalytic and catalytic removal of toxic pollutants from water using CuO nanosheets. Journal of Materials Science: Materials in Electronics, 2019, 30, 6088-6099.	2.2	19
20	Thermal annealing induced evolution of morphological, structural, optical and photocatalytic properties of Ag-TiO ₂ nanocomposite thin films. Journal of Physics and Chemistry of Solids, 2019, 129, 317-323.	4.0	18
21	Fabrication of Au-CuO hybrid plasmonic nanostructured thin films with enhanced photocatalytic activity. Materials Research Bulletin, 2020, 123, 110707.	5.2	18
22	Synthesis of nanostructured TiO ₂ thin films with highly enhanced photocatalytic activity by atom beam sputtering. Advanced Materials Letters, 2017, 8, 107-113.	0.6	15
23	Facile synthesis, structural, optical and photocatalytic properties of anatase/ rutile mixed phase TiO ₂ ball-like sub-micron structures. Optik, 2019, 188, 270-276.	2.9	12
24	Facile fabrication of CuO spindles for photocatalytic applications. Ceramics International, 2020, 46, 24407-24412.	4.8	12
25	Facile fabrication of CuO nanosheets for photocatalytic applications. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	8
26	Thermal annealing induced cave in and formation of nanoscale pits in Ag-TiO ₂ plasmonic nanocomposite thin film. Ceramics International, 2020, 46, 3275-3281.	4.8	7
27	Cu-CuO and Cu-CuO-ZnO hybrid nanostructures as photocatalysts and catalysts for efficient removal of pollutants. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	6
28	Morphological, optical, catalytic and photocatalytic properties of RF magnetron sputtered Au-Cu ₂ O-CuO nanocomposite thin films. Surfaces and Interfaces, 2021, 26, 101436.	3.0	4
29	Thermal evolution of morphological, optical, and photocatalytic properties of Au-Cu ₂ O-CuO nanocomposite thin film. Journal of Materials Science: Materials in Electronics, 2021, 32, 24058-24068.	2.2	0