Arabinda Baruah

List of Publications by Year
in descending order

18	1,785	759233 12	996975 15
papers	citations	h-index	g-index

18	18	18	2727
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of a novel and stable g-C3N4â€“Ag3PO4 hybrid nanocomposite photocatalyst and study of the photocatalytic activity under visible light irradiation. Journal of Materials Chemistry A, 2013, 1, 5333.	10.3	584
2	Cost-effective and eco-friendly synthesis of novel and stable N-doped ZnO/g-C3N4 coreâ€“shell nanoplates with excellent visible-light responsive photocatalysis. Nanoscale, 2014, 6, 4830.	5.6	433
3	Synthesis of Magnetically Separable and Recyclable g-C₃N₄â€“Fe₃O₄ Hybrid Nanocomposites with Enhanced Photocatalytic Performance under Visible-Light Irradiation. Journal of Physical Chemistry C, 2013, 117, 26135-26143.	3.1	358
4	Synthesis of novel and stable g-C₃N₄/N-doped SrTiO₃hybrid nanocomposites with improved photocurrent and photocatalytic activity under visible light irradiation. Dalton Transactions, 2014, 43, 16105-16114.	3.3	105
5	Synthesis of highly efficient and recyclable visible-light responsive mesoporous g-C3N4 photocatalyst via facile template-free sonochemical route. RSC Advances, 2014, 4, 8132.	3.6	68
6	Nanotechnology Based Solutions for Wastewater Treatment. , 2019, , 337-368.		38
7	Design of Porous Silica Supported Tantalum Oxide Hollow Spheres Showing Enhanced Photocatalytic Activity. Langmuir, 2014, 30, 3199-3208.	3.5	34
8	Ni-Fe-layered double hydroxide/N-doped graphene oxide nanocomposite for the highly efficient removal of Pb(II) and Cd(II) ions from water. Journal of Solid State Chemistry, 2019, 280, 120963.	2.9	32
9	New low temperature environmental friendly process for the synthesis of tetragonal MoO2 and its field emission properties. Applied Surface Science, 2019, 467-468, 1148-1156.	6.1	25
10	Microfluidic reactors for the morphology controlled synthesis and photocatalytic study of ZnO nanostructures. Journal of Micromechanics and Microengineering, 2017, 27, 035013.	2.6	24
11	Continuous flow synthesis of Ag3PO4 nanoparticles with greater photostability and photocatalytic dye degradation efficiency. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 382-389.	3.9	24
12	Droplet-microfluidics for the controlled synthesis and efficient photocatalysis of TiO₂ nanoparticles. Materials Research Express, 2018, 5, 075019.	1.6	20
13	Nanostructured silver decorated hollow silica and their application in the treatment of microbial contaminated water at room temperature. New Journal of Chemistry, 2019, 43, 8993-9001.	2.8	18
14	New sustainable and environmental friendly process of synthesis of highly porous Mo2S3 nanoflowers in cooking oil and their electrochemical properties. Electrochimica Acta, 2019, 300, 177-185.	5.2	11
15	Efficient Entrapment of Dye in Hollow Silica Nanoparticles: Direct Evidence Using Fluorescence Spectroscopy. Journal of Fluorescence, 2013, 23, 1287-1292.	2.5	5
16	Enhancement of photocatalytic efficiency using heterostructured SiO2â€“Ta2O5 thin films. Materials Research Express, 2015, 2, 056404.	1.6	5
17	Engineered Clay Nanomaterials for Biomedical Applications. Nanotechnology in the Life Sciences, 2022, , 277-314.	0.6	1
18	Solar energy harvesting with carbon nitrides. , 2022, , 81-107.		0