

Arabinda Baruah

List of Publications by Year in descending order

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18
papers

1,785
citations

759233

12
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

2727
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineered Clay Nanomaterials for Biomedical Applications. Nanotechnology in the Life Sciences, 2022, , 277-314.	0.6	1
2	Solar energy harvesting with carbon nitrides. , 2022, , 81-107.		0
3	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
4	New sustainable and environmental friendly process of synthesis of highly porous Mo ₂ S ₃ nanoflowers in cooking oil and their electrochemical properties. Electrochimica Acta, 2019, 300, 177-185.	5.2	11
5	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
6	Nanotechnology Based Solutions for Wastewater Treatment. , 2019, , 337-368.		38
7	New low temperature environmental friendly process for the synthesis of tetragonal MoO ₂ and its field emission properties. Applied Surface Science, 2019, 467-468, 1148-1156.	6.1	25
8	Droplet-microfluidics for the controlled synthesis and efficient photocatalysis of TiO ₂ nanoparticles. Materials Research Express, 2018, 5, 075019.	1.6	20
9	Continuous flow synthesis of Ag ₃ PO ₄ nanoparticles with greater photostability and photocatalytic dye degradation efficiency. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 382-389.	3.9	24
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	Enhancement of photocatalytic efficiency using heterostructured SiO ₂ @Ta ₂ O ₅ thin films. Materials Research Express, 2015, 2, 056404.	1.6	5
12	Synthesis of highly efficient and recyclable visible-light responsive mesoporous g-C ₃ N ₄ photocatalyst via facile template-free sonochemical route. RSC Advances, 2014, 4, 8132.	3.6	68
13	Synthesis of novel and stable g-C ₃ N ₄ /N-doped SrTiO ₃ hybrid nanocomposites with improved photocurrent and photocatalytic activity under visible light irradiation. Dalton Transactions, 2014, 43, 16105-16114.	3.3	105
14	Cost-effective and eco-friendly synthesis of novel and stable N-doped ZnO/g-C ₃ N ₄ core-shell nanoplates with excellent visible-light responsive photocatalysis. Nanoscale, 2014, 6, 4830.	5.6	433
15	Design of Porous Silica Supported Tantalum Oxide Hollow Spheres Showing Enhanced Photocatalytic Activity. Langmuir, 2014, 30, 3199-3208.	3.5	34
16	Efficient Entrapment of Dye in Hollow Silica Nanoparticles: Direct Evidence Using Fluorescence Spectroscopy. Journal of Fluorescence, 2013, 23, 1287-1292.	2.5	5
17	Synthesis of Magnetically Separable and Recyclable g-C ₃ N ₄ @Fe ₃ O ₄ Hybrid Nanocomposites with Enhanced Photocatalytic Performance under Visible-Light Irradiation. Journal of Physical Chemistry C, 2013, 117, 26135-26143.	3.1	358
18	Synthesis of a novel and stable g-C ₃ N ₄ @Ag ₃ PO ₄ hybrid nanocomposite photocatalyst and study of the photocatalytic activity under visible light irradiation. Journal of Materials Chemistry A, 2013, 1, 5333.	10.3	584