

Bilal Ahmed

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

624
citations

840776

11
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

965
citing authors

#	ARTICLE	IF	CITATIONS
1	Well-controlled in-situ growth of 2D WO ₃ rectangular sheets on reduced graphene oxide with strong photocatalytic and antibacterial properties. <i>Journal of Hazardous Materials</i> , 2018, 347, 266-278.	12.4	107
2	Tunable (violet to green) emission by high-yield graphene quantum dots and exploiting its unique properties towards sun-light-driven photocatalysis and supercapacitor electrode materials. <i>Materials Today Communications</i> , 2017, 11, 76-86.	1.9	96
3	Shape induced (spherical, sheets and rods) optical and magnetic properties of CdS nanostructures with enhanced photocatalytic activity for photodegradation of methylene blue dye under ultra-violet irradiation. <i>Journal of Alloys and Compounds</i> , 2016, 679, 324-334.	5.5	84
4	Facile and controlled synthesis of aligned WO ₃ nanorods and nanosheets as an efficient photocatalyst material. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 175, 250-261.	3.9	77
5	Facile synthesis of CdO nanorods and exploiting its properties towards supercapacitor electrode materials and low power UV irradiation driven photocatalysis against methylene blue dye. <i>Materials Research Bulletin</i> , 2017, 90, 224-231.	5.2	71
6	One-pot synthesis of Ni doped CdS nanosheets for near infrared emission and excellent photocatalytic materials for degradation of MB dye under UV and sunlight irradiation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 179, 144-154.	3.9	42
7	Tailoring of enhanced interfacial polarization in WO ₃ nanorods grown over reduced graphene oxide synthesized by a one-step hydrothermal method. <i>RSC Advances</i> , 2017, 7, 13985-13996.	3.6	37
8	Temperature induced modifications in shapes and crystal phases of MoO ₃ for enhanced photocatalytic degradation of dye waste water pollutants under UV irradiation. <i>Journal of Alloys and Compounds</i> , 2019, 806, 1368-1376.	5.5	36
9	Photodegradation of phenanthrene catalyzed by rGO sheets and disk like structures synthesized using sugar cane juice as a reducing agent. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 603-610.	3.9	33
10	Facile synthesis and photophysics of graphene quantum dots. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 671-678.	3.9	18
11	Sun/UV-light driven photocatalytic degradation of rhodamine B dye by Zn doped CdS nanostructures as photocatalyst. <i>Materials Chemistry and Physics</i> , 2022, 277, 125531.	4.0	17
12	Experimental and theoretical investigations of unusual enhancement of room temperature ferromagnetism in nickel-cobalt codoped CeO ₂ nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 465, 756-761.	2.3	6
13	Role of Annealing Temperature on Structural Modification of MoO ₃ for Enhanced Electrochemical Properties. , 2021, , 19-26.		0