

Mani Alagiri

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

699
citations

687363

13
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

611
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile preparation of bismuth vanadate-sheet/carbon nitride rod-like interface photocatalyst for efficient degradation of model organic pollutant under direct sunlight irradiation. <i>Chemosphere</i> , 2022, 287, 132055.	8.2	14
2	Enhanced photocatalytic activities of facile auto-combustion synthesized ZnO nanoparticles for wastewater treatment: An impact of Ni doping. <i>Chemosphere</i> , 2022, 291, 132687.	8.2	36
3	Novel NiFe ₂ O ₄ deposited S-doped g-C ₃ N ₄ nanorod: Visible-light-driven heterojunction for photo-Fenton like tetracycline degradation. <i>Diamond and Related Materials</i> , 2021, 112, 108148.	3.9	36
4	Assembly of mixed Bi ₄ V _{1.4} Nb _{0.6} O ₁₁ phase and g-C ₃ N ₄ photoactive material over rGO: Enhanced organic model pollutants removal under sun light irradiation. <i>Materials Science in Semiconductor Processing</i> , 2021, 124, 105611.	4.0	8
5	Fluorine doped g-C ₃ N ₄ coupled NiFe ₂ O ₄ heterojunction: Consumption of H ₂ O ₂ for production of hydroxyl radicals towards paracetamol degradation. <i>Colloids and Interface Science Communications</i> , 2021, 42, 100410.	4.1	34
6	Copper ions induced $\text{Ag}_{2-x}\text{Cu}_x\text{WO}_4$ (0 ≤ x ≤ 0.12) solid solutions with favorable sunlight photocatalytic removal of toxic pollutants. <i>Journal of Alloys and Compounds</i> , 2021, 871, 159530.	5.5	8
7	Preparation and characterization of the Cu, Fe co-doped Bi ₂ Ti ₂ O ₇ /EG-g-C ₃ N ₄ material for organic model pollutants removal under direct sun light irradiation. <i>Materials Research Bulletin</i> , 2021, 143, 111439.	5.2	11
8	Tailoring the structural, optical and remarkably enhanced photocatalytic activities of nickel oxide nanostructures through cobalt doping. <i>Surfaces and Interfaces</i> , 2021, 27, 101515.	3.0	5
9	Conversion of a Type-II to a Z-Scheme Heterojunction by Intercalation of a 0D Electron Mediator between the Integrative NiFe ₂ O ₄ /g-C ₃ N ₄ Composite Nanoparticles: Boosting the Radical Production for Photo-Fenton Degradation. <i>ACS Omega</i> , 2020, 5, 19747-19759.	3.5	98
10	Construction of rGO Supported Integrative NiFe ₂ O ₄ /g-C ₃ N ₄ Nanocomposite: Role of Charge Transfer for Boosting the OH [•] Radical Production to Enhance the Photo-Fenton Degradation. <i>ChemistrySelect</i> , 2020, 5, 9765-9775.	1.5	16
11	Ag, Ni bimetallic supported g-C ₃ N ₄ 2D/Cd ₂ Sb ₂ O ₆ pyrochlore interface photocatalyst for efficient removal of organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11247-11267.	2.2	6
12	Bridging and synergistic effect of the pyrochlore like Bi ₂ Zr ₂ O ₇ structure with robust CdCuS solid solution for durable photocatalytic removal of the organic pollutants. <i>RSC Advances</i> , 2020, 10, 8880-8894.	3.6	18
13	Optical, photocatalytic properties of novel pyro- stannate A ₂ Sn ₂ O ₇ (A=Ce, Ca, Sr), and Pt deposited (SrCe) ₂ Sn ₂ O ₇ for the removal of organic pollutants under direct solar light irradiation. <i>Materials Science in Semiconductor Processing</i> , 2019, 104, 104647.	4.0	12
14	Rational design of ZnFe ₂ O ₄ /g-C ₃ N ₄ nanocomposite for enhanced photo-Fenton reaction and supercapacitor performance. <i>Applied Surface Science</i> , 2019, 498, 143807.	6.1	128
15	Magnetic binary metal oxide intercalated g-C ₃ N ₄ : Energy band tuned p-n heterojunction towards Z-scheme photo-Fenton phenol reduction and mixed dye degradation. <i>Journal of Water Process Engineering</i> , 2019, 32, 100968.	5.6	46
16	Synergistic effect of band edge potentials on BiFeO ₃ /V ₂ O ₅ composite: Enhanced photo catalytic activity. <i>Journal of Environmental Management</i> , 2019, 247, 104-114.	7.8	28
17	Inverse spinel NiFe ₂ O ₄ deposited g-C ₃ N ₄ nanosheet for enhanced visible light photocatalytic activity. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 87-97.	4.0	101
18	CdZnS solid solution supported Ce ₂ Sn ₂ O ₇ pyrochlore photocatalyst that proves to be an efficient candidate towards the removal of organic pollutants. <i>Separation and Purification Technology</i> , 2019, 224, 405-420.	7.9	42

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19	Gold nanorod-based electrochemical sensing of small biomolecules: A review. <i>Mikrochimica Acta</i> , 2017, 184, 3069-3092.	5.0	51