

Venkatesan jayaraman

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

569
citations

687363

13
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

569
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 | 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 |
| 3 | Copper ions induced $\hat{I}\pm\text{-Ag}_2\hat{\text{A}}\text{€}^{\text{€}}\text{2xCu}_x\text{WO}_4$ (0 $\hat{\text{A}}\%$ \times $\hat{\text{A}}\%$ 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 |
| 4 | 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 |
| 5 | Facile preparation of novel Sb ₂ S ₃ nanoparticles/rod-like $\hat{I}\pm\text{-Ag}_2\text{WO}_4$ heterojunction photocatalysts: Continuous modulation of band structure towards the efficient removal of organic contaminants. <i>Separation and Purification Technology</i> , 2020, 236, 116302. | 7.9 | 39 |
| 6 | Interfacial coupling effect of high surface area Pyrochlore like Ce ₂ Zr ₂ O ₇ over 2D g-C ₃ N ₄ sheet photoactive material for efficient removal of organic pollutants. <i>Separation and Purification Technology</i> , 2020, 235, 116242. | 7.9 | 24 |
| 7 | Ag, Ni bimetallic supported g-C ₃ N ₄ 2D/Cd ₂ Sb ₂ O _{6.8} 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Fabrication of tantalum doped CdS nanoparticles for enhanced photocatalytic degradation of organic dye under visible light exposure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123688. | 4.7 | 37 |
| 11 | One-step hydrothermal synthesis of CaWO ₄ / $\hat{I}\pm\text{-Ag}_2\text{WO}_4$ heterojunction: An efficient photocatalyst for removal of organic contaminants. <i>Materials Science in Semiconductor Processing</i> , 2019, 104, 104693. | 4.0 | 36 |
| 12 | 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 |
| 13 | Fabrication of CdS PbWO ₄ nanocomposite to improve the photocatalytic degradation efficiency of methylene blue under visible light irradiation. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 129, 261-269. | 4.0 | 24 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | Photocatalytic degradation of metronidazole and methylene blue by PVA-assisted Bi ₂ WO ₆ / $\hat{I}\pm\text{-CdS}$ nanocomposite film under visible light irradiation. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 61-78. | 3.1 | 69 |
| 18 | An Efficient Photocatalytic and Antibacterial Performance of Ni/Ce $\hat{\text{A}}\text{€}^{\text{€}}$ Codoped CdS Nanostructure under Visible Light Irradiation. <i>ChemistrySelect</i> , 2018, 3, 9259-9267. | 1.5 | 14 |

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|----|--|-----|-----------|
| 19 | Enhancement of photocatalytic degradation of methylene blue under visible light using transparent Mg-doped CdS/PVA nanocomposite films. Journal of Materials Science: Materials in Electronics, 2017, 28, 13990-13999. | 2.2 | 32 |