

Sridharan Balu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

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623574

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docs citations

19
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799
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#	ARTICLE	IF	CITATIONS
1	Rational synthesis of $\text{Bi}_2\text{Fe}_4\text{VO}_4$ heterostructures impregnated sulfur-doped g-C ₃ N ₄ : A visible-light-driven type-II heterojunction photo(electro)catalyst for efficient photodegradation of roxarsone and photoelectrochemical OER reactions. <i>Applied Catalysis B: Environmental</i> , 2022, 304, 120852.	10.8	46
2	Photo-Redox Properties of -SO ₃ H Functionalized Metal-Free g-C ₃ N ₄ and Its Application in the Photooxidation of Sunset Yellow FCF and Photoreduction of Cr (VI). <i>Catalysts</i> , 2022, 12, 751.	1.6	6
3	Zinc and Sulfur Codoped Iron Oxide Nanocubes Anchored on Carbon Nanotubes for the Detection of Antitubercular Drug Isoniazid. <i>ACS Applied Nano Materials</i> , 2021, 4, 4562-4575.	2.4	25
4	Synthesis of novel and environmental sustainable AgI-Ag ₂ S nanospheres impregnated g-C ₃ N ₄ photocatalyst for efficient degradation of aqueous pollutants. <i>Applied Surface Science</i> , 2020, 500, 143991.	3.1	59
5	Tin disulfide nanorod-graphene- β -cyclodextrin nanocomposites for sensing dopamine in rat brains and human blood serum. <i>Materials Science and Engineering C</i> , 2020, 108, 110367.	3.8	31
6	Sonochemical synthesis and anchoring of zinc oxide on hemin-mediated multiwalled carbon nanotubes-cellulose nanocomposite for ultra-sensitive biosensing of H ₂ O ₂ . <i>Ultrasonics Sonochemistry</i> , 2020, 63, 104917.	3.8	20
7	Morphology-Controlled Synthesis of β -Fe ₂ O ₃ Nanocrystals Impregnated on g-C ₃ N ₄ -SO ₃ H with Ultrafast Charge Separation for Photoreduction of Cr (VI) Under Visible Light. <i>Environmental Pollution</i> , 2020, 267, 115491.	3.7	39
8	Effect of ultrasound-induced hydroxylation and exfoliation on P90-TiO ₂ /g-C ₃ N ₄ hybrids with enhanced optoelectronic properties for visible-light photocatalysis and electrochemical sensing. <i>Ceramics International</i> , 2020, 46, 18002-18018.	2.3	31
9	Synthesis of sol-gel derived holmium aluminium garnet on exfoliated g-C ₃ N ₄ : a novel visible-light-driven Z-scheme photocatalyst for the degradation of sunset yellow FCF. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20132-20143.	1.1	6
10	Synthesis of boron doped C ₃ N ₄ /NiFe ₂ O ₄ nanocomposite: An enhanced visible light photocatalyst for the degradation of methylene blue. <i>Results in Physics</i> , 2019, 12, 1238-1244.	2.0	46
11	Sonochemical synthesis of gum guar biopolymer stabilized copper oxide on exfoliated graphite: Application for enhanced electrochemical detection of H ₂ O ₂ in milk and pharmaceutical samples. <i>Ultrasonics Sonochemistry</i> , 2019, 56, 254-263.	3.8	29
12	Synthesis of Flower-Like Iron Oxide Capped Tripolyphosphate for Electrochemical Detection of Carbadox Drugs in Meat. <i>Journal of the Electrochemical Society</i> , 2019, 166, B555-B561.	1.3	6
13	Synthesis of β -Fe ₂ O ₃ decorated g-C ₃ N ₄ /ZnO ternary Z-scheme photocatalyst for degradation of tartrazine dye in aqueous media. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 99, 258-267.	2.7	95
14	Novel electrochemical synthesis of cellulose microfiber entrapped reduced graphene oxide: A sensitive electrochemical assay for detection of fenitrothion organophosphorus pesticide. <i>Talanta</i> , 2019, 192, 471-477.	2.9	55
15	Facile synthesis of cellulose microfibers supported palladium nanospindles on graphene oxide for selective detection of dopamine in pharmaceutical and biological samples. <i>Materials Science and Engineering C</i> , 2019, 98, 256-265.	3.8	28
16	Enhanced reversible redox activity of hemin on cellulose microfiber integrated reduced graphene oxide for H ₂ O ₂ biosensor applications. <i>Carbohydrate Polymers</i> , 2019, 204, 152-160.	5.1	34
17	Assembly of ZnO Nanoparticles on SiO ₂ @ β -Fe ₂ O ₃ Nanocomposites for an Efficient Photo-Fenton Reaction. <i>Inorganics</i> , 2018, 6, 90.	1.2	14
18	Degradation of Methylene Blue Dye in the Presence of Visible Light Using SiO ₂ @ β -Fe ₂ O ₃ Nanocomposites Deposited on SnS ₂ Flowers. <i>Materials</i> , 2018, 11, 1030.	1.3	111