

# Sathish Mohan Botsa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8547132/publications.pdf>

Version: 2024-02-01

30  
papers

622  
citations

686830

13  
h-index

580395

25  
g-index

30  
all docs

30  
docs citations

30  
times ranked

617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible light enhanced photocatalytic degradation of methylene blue by ternary nanocomposite, MoO <sub>3</sub> /Fe <sub>2</sub> O <sub>3</sub> /rGO. Journal of Asian Ceramic Societies, 2018, 6, 183-195.	1.0	83
2	Photocatalytic degradation of polyethylene plastics by NiAl <sub>2</sub> O <sub>4</sub> spinels-synthesis and characterization. Chemosphere, 2021, 265, 129021.	4.2	55
3	Fe <sub>2</sub> O <sub>3</sub> /RGO nanocomposite photocatalyst: Effective degradation of 4-Nitrophenol. Physica B: Condensed Matter, 2019, 553, 190-194.	1.3	54
4	Enhanced UV-Visible triggered photocatalytic degradation of Brilliant green by reduced graphene oxide based NiO and CuO ternary nanocomposite and their antimicrobial activity. Arabian Journal of Chemistry, 2020, 13, 5137-5150.	2.3	52
5	Hazardous heavy metals in the pristine lacustrine systems of Antarctica: Insights from PMF model and ERA techniques. Journal of Hazardous Materials, 2021, 412, 125263.	6.5	42
6	Removal of Nitrophenols from wastewater by monoclinic CuO/RGO nanocomposite. Nanotechnology for Environmental Engineering, 2019, 4, 1.	2.0	40
7	Enhanced photocatalytic degradation of cationic dyes under visible light irradiation by CuWO <sub>4</sub> -RGO nanocomposite. Advanced Composites and Hybrid Materials, 2020, 3, 205-212.	9.9	35
8	Synthesis of silver nanoparticles using aqueous extract of Dolichos lablab for reduction of 4-Nitrophenol, antimicrobial and anticancer activities. OpenNano, 2018, 3, 28-37.	1.8	34
9	ZrO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> /RGO nanocomposite: Good photocatalyst for dyes degradation. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 108, 105-111.	1.3	33
10	Flower like SnO <sub>2</sub> -Fe <sub>2</sub> O <sub>3</sub> -rGO ternary composite as highly efficient visible light induced photocatalyst for the degradation of organic pollutants from contaminated water. Journal of Materials Research and Technology, 2020, 9, 12461-12472.	2.6	28
11	Fabrication of multifunctional TANI/Cu <sub>2</sub> O/Ag nanocomposite for environmental abatement. Scientific Reports, 2020, 10, 14080.	1.6	19
12	A Facile Synthesis of Cu <sub>2</sub> O and CuO Nanoparticles Via Sonochemical Assisted Method. Current Nanoscience, 2018, 15, 209-213.	0.7	18
13	Hydrogeochemistry of the deglaciated lacustrine systems in Antarctica: Potential impact of marine aerosols and rock-water interactions. Science of the Total Environment, 2020, 706, 135822.	3.9	17
14	Evaluation of micro-structural and magnetic properties of nickel nano-ferrite and Mn <sup>2+</sup> substituted nickel nano-ferrite. Physica B: Condensed Matter, 2021, 620, 413264.	1.3	14
15	A Facile Synthesis of Copper Oxide Nanorods for Photocatalytic Degradation of Organic Pollutant and Inactivation of Pathogens. Journal of Nanoscience and Technology, 2018, 4, 467-470.	0.2	14
16	Facile simultaneous synthesis of tetraaniline nanostructures/silver nanoparticles as heterogeneous catalyst for the efficient catalytic reduction of 4-nitrophenol to 4-aminophenol. RSC Advances, 2020, 10, 22043-22053.	1.7	13
17	Defluoridation in aqueous solution by a composite of reduced graphene oxide decorated with cuprous oxide via sonochemical. Arabian Journal of Chemistry, 2020, 13, 7970-7977.	2.3	11
18	SnO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> /Ag Nanocomposite via Hydrothermal Approach: A Novel Highly Efficient Photodegradation of Eosin Yellow and Brilliant Green Dyes Under Visible Light Irradiation. Chemistry Africa, 2019, 2, 635-644.	1.2	10

#	ARTICLE	IF	CITATIONS
19	Spherical NiWO <sub>4</sub> -reduced graphene oxide nanocomposite for effective visible light driven photocatalytic activity for the decolourisation of organic pollutants. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8489-8497.	2.3	10
20	ZnS/Fe <sub>2</sub> O <sub>3</sub> /Ag Ternary Nanocomposite Photocatalyst for the Degradation of Dyes Under Visible Light. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 392-400.	0.1	10
21	Fabrication of a heterostructure composite with CuO and FeS <sub>2</sub> as efficient photocatalyst for decolourisation of brilliant green. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2648-2656.	2.6	9
22	Deterioration of Cadmium and pathogens from contaminated water using hydrothermally prepared NiO-ZnO-RGO composite. <i>Journal of Materials Research and Technology</i> , 2021, 10, 976-987.	2.6	7
23	Micro-structural, dielectrical and magnetic properties of Cu <sup>2+</sup> substituted Ni <sub>0.7</sub> Mn <sub>0.3</sub> -Cu Fe <sub>2</sub> O <sub>4</sub> (x=0.0, 0.05, 0.1, 0.15 and 0.2) nano-ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 540, 168464.	1.0	5
24	Brønsted acid catalyzed synthesis of 2-acylquinazolinones via cyclization of 2-aminobenzamide with benzonitriles in PEG. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1955.	1.4	3
25	Purification, structural elucidation and anticancer activity of a compound extracted from <i>Aspergillus fumigatus</i> strain MF-1. <i>Archives of Microbiology</i> , 2021, 203, 4635-4640.	1.0	2
26	Characterization of black carbon aerosols over Indian Antarctic station, Maitri and identification of potential source areas. <i>Environmental Science Atmospheres</i> , 2021, 1, 416-422.	0.9	2
27	Potentiometric Studies on Bioactive Material Species of Ternary Complexes. <i>Russian Journal of General Chemistry</i> , 2020, 90, 2467-2472.	0.3	1
28	Structural, Impedance and Modulus Studies of Effect of Magnesium (Mg) Substitution on Spinel Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Anode Materials. <i>Transactions on Electrical and Electronic Materials</i> , 0, , 1.	1.0	1
29	Catalytic activity of graphene oxide hybridized ZnWO <sub>4</sub> for dyes degradation and oxidation of functionalized benzyl alcohols. <i>MOJ Bioorganic &amp; Organic Chemistry</i> , 2018, 2, .	0.1	0
30	Structural, morphological and vibrational properties of Li <sub>4</sub> Ti <sub>5</sub> -xNbxO <sub>12</sub> anode materials. <i>Materials Science for Energy Technologies</i> , 2021, 5, 30-30.	1.0	0