

# Swarup Kumar Maji

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

2,398  
citations

236925

25  
h-index

265206

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g-index

42  
all docs

42  
docs citations

42  
times ranked

4059  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of FeS and FeSe Nanoparticles from a Single Source Precursor: A Study of Their Photocatalytic Activity, Peroxidase-Like Behavior, and Electrochemical Sensing of $H_2O_2$ . ACS Applied Materials & Interfaces, 2012, 4, 1919-1927.	8.0	259
2	Immobilizing Gold Nanoparticles in Mesoporous Silica Covered Reduced Graphene Oxide: A Hybrid Material for Cancer Cell Detection through Hydrogen Peroxide Sensing. ACS Applied Materials & Interfaces, 2014, 6, 13648-13656.	8.0	253
3	Cancer Cell Detection and Therapeutics Using Peroxidase-Active Nanohybrid of Gold Nanoparticle-Loaded Mesoporous Silica-Coated Graphene. ACS Applied Materials & Interfaces, 2015, 7, 9807-9816.	8.0	171
4	CuO nano-whiskers: Electrodeposition, Raman analysis, photoluminescence study and photocatalytic activity. Materials Letters, 2011, 65, 3248-3250.	2.6	168
5	$\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles: An easily recoverable effective photo-catalyst for the degradation of rose bengal and methylene blue dyes in the waste-water treatment plant. Materials Research Bulletin, 2014, 49, 28-34.	5.2	166
6	Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice. Advanced Materials, 2014, 26, 5633-5638.	21.0	158
7	Synthesis, characterization and photocatalytic activity of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles. Polyhedron, 2012, 33, 145-149.	2.2	122
8	Peroxidase-like activity and amperometric sensing of hydrogen peroxide by Fe <sub>2</sub> O <sub>3</sub> and Prussian Blue-modified Fe <sub>2</sub> O <sub>3</sub> nanoparticles. Journal of Molecular Catalysis A, 2012, 360, 71-77.	4.8	73
9	Single source precursor approach to the synthesis of Bi <sub>2</sub> S <sub>3</sub> nanoparticles: A new amperometric hydrogen peroxide biosensor. Sensors and Actuators B: Chemical, 2014, 192, 578-585.	7.8	71
10	Deposition of nanocrystalline CuS thin film from a single precursor: Structural, optical and electrical properties. Materials Chemistry and Physics, 2011, 130, 392-397.	4.0	68
11	Iron selenide thin film: Peroxidase-like behavior, glucose detection and amperometric sensing of hydrogen peroxide. Sensors and Actuators B: Chemical, 2012, 173, 724-731.	7.8	68
12	A ratiometric fluorescent molecular probe with enhanced two-photon response upon Zn <sup>2+</sup> binding for in vitro and in vivo bioimaging. Chemical Science, 2014, 5, 3469-3474.	7.4	68
13	Synthesis and characterization of FeS nanoparticles obtained from a dithiocarboxylate precursor complex and their photocatalytic, electrocatalytic and biomimic peroxidase behavior. Applied Catalysis A: General, 2012, 419-420, 170-177.	4.3	62
14	Chemical synthesis of mesoporous CuO from a single precursor: Structural, optical and electrical properties. Journal of Solid State Chemistry, 2010, 183, 1900-1904.	2.9	56
15	Effective photocatalytic degradation of organic pollutant by ZnS nanocrystals synthesized via thermal decomposition of single-source precursor. Polyhedron, 2011, 30, 2493-2498.	2.2	53
16	Synergistic Nanozymetic Activity of Hybrid Gold Bipyramid@Molybdenum Disulfide Core@Shell Nanostructures for Two-Photon Imaging and Anticancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 42068-42076.	8.0	53
17	Three-Photon-Excited Luminescence from Unsymmetrical Cyanostilbene Aggregates: Morphology Tuning and Targeted Bioimaging. ACS Nano, 2015, 9, 4796-4805.	14.6	51
18	Peroxidase-like behavior, amperometric biosensing of hydrogen peroxide and photocatalytic activity by cadmium sulfide nanoparticles. Journal of Molecular Catalysis A, 2012, 358, 1-9.	4.8	50

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19	A novel amperometric biosensor for hydrogen peroxide and glucose based on cuprous sulfide nanoplates. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4127.	5.8	43
20	Single-source precursor approach for the preparation of CdS nanoparticles and their photocatalytic and intrinsic peroxidase like activity. <i>Applied Catalysis B: Environmental</i> , 2012, 126, 265-274.	20.2	42
21	Visible-light-driven synthesis of 2-substituted benzothiazoles using CdS nanosphere as heterogenous recyclable catalyst. <i>Tetrahedron Letters</i> , 2013, 54, 1090-1096.	1.4	42
22	Synthesis of nanocrystalline iron oxide ultrathin films by thermal decomposition of iron nitroprusside: Structural and optical properties. <i>Materials Research Bulletin</i> , 2010, 45, 1948-1953.	5.2	35
23	New peroxidase-substrate 3,5-di-tert-butylcatechol for colorimetric determination of blood glucose in presence of Prussian Blue-modified iron oxide nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 676-683.	7.8	33
24	Synthesis and characterization of nanocrystalline zinc sulfide via zinc thiobenzoate-lutidine single-source precursor. <i>Inorganica Chimica Acta</i> , 2011, 371, 20-26.	2.4	27
25	Cathodic and anodic deposition of FeS <sub>2</sub> thin films and their application in electrochemical reduction and amperometric sensing of H <sub>2</sub> O <sub>2</sub> . <i>Electrochimica Acta</i> , 2013, 94, 7-15.	5.2	26
26	Two-dimensional nanohybrid (RGS@AuNPs) as an effective catalyst for the reduction of 4-nitrophenol and photo-degradation of methylene blue dye. <i>New Journal of Chemistry</i> , 2017, 41, 3326-3332.	2.8	23
27	Plasmon-Enhanced Electrochemical Biosensing of Hydrogen Peroxide from Cancer Cells by Gold Nanorods. <i>ACS Applied Nano Materials</i> , 2019, 2, 7162-7169.	5.0	23
28	Synthesis of Ag <sub>2</sub> S quantum dots by a single-source precursor: an efficient electrode material for rapid detection of phenol. <i>Analytical Methods</i> , 2014, 6, 2059.	2.7	18
29	Observation of enhanced photocurrent response in M@CuInS <sub>2</sub> (M = Au, Ag) heteronanostructures: phase selective synthesis and application. <i>New Journal of Chemistry</i> , 2017, 41, 692-701.	2.8	18
30	A symmetric oxo-centered trinuclear chloroacetato bridged iron(III) complex: Structural, spectroscopic and electrochemical studies. <i>Journal of Molecular Structure</i> , 2012, 1027, 87-91.	3.6	16
31	AgInS <sub>2</sub> -Coated Upconversion Nanoparticle as a Photocatalyst for Near-Infrared Light-Activated Photodynamic Therapy of Cancer Cells. <i>ACS Applied Bio Materials</i> , 2018, 1, 1628-1638.	4.6	15
32	Syntheses, crystal structure, spectroscopic, redox and magnetic properties of oxo- and carboxylato-bridged polynuclear iron(III) complexes with phenolate- and pyridine-substituted benzimidazole ligands. <i>Polyhedron</i> , 2012, 44, 34-43.	2.2	12
33	Macrocyclic lanthanide(III) complexes of iminophenol Schiff bases and carboxylate anions: Syntheses, structures and luminescence properties. <i>Polyhedron</i> , 2013, 52, 976-985.	2.2	11
34	Sophisticated plasmon-enhanced photo-nanozyme for anti-angiogenic and tumor-microenvironment-responsive combinatorial photodynamic and photothermal cancer therapy. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 104, 106-106.	5.8	8
35	Experimental study on electron field emission, Raman scattering, and low temperature electrical properties of nanocrystalline lead selenide thin films. <i>Journal of Applied Physics</i> , 2011, 109, 104312.	2.5	6
36	Synthesis of nanocrystalline and mesoporous zinc sulphide from a single precursor Zn(SOCCH <sub>3</sub> ) <sub>2</sub> Lut <sub>2</sub> complex. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 784-788.	4.0	6

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37	Anisotropic Plasmonic Gold Nanorod@Indocyanine Green@Reduced Graphene Oxide@Doxorubicin Nanohybrids for Image-Guided Enhanced Tumor Theranostics. ACS Omega, 2022, 7, 15186-15199.	3.5	6
38	Luminescence-Tunable ZnS@AgInS <sub>2</sub> Nanocrystals for Cancer Cell Imaging and Photodynamic Therapy. ACS Applied Bio Materials, 2022, 5, 1230-1238.	4.6	5
39	Synthesis, structural and magnetic properties of oxo-, chloroacetato-bridged tetra-nuclear iron(III) complex. Journal of Molecular Structure, 2012, 1029, 68-74.	3.6	4
40	Electrocatalytic Activity of Silver Nanoparticles Modified Glassy Carbon Electrode as Amperometric Sensor for Hydrogen Peroxide. Journal of Nanoscience and Nanotechnology, 2013, 13, 4969-4974.	0.9	4
41	Imaging: Upconversion Nanoparticles as a Contrast Agent for Photoacoustic Imaging in Live Mice (Adv.) Tj ETQq1 1,0.784314 rgBT /Ove	21.0	3