

# Papu Biswas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6079404/publications.pdf>

Version: 2024-02-01

51  
papers

1,595  
citations

346980

22  
h-index

340414

39  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nickel sulphide decorated nitrogen rich ordered mesoporous carbon (NOMC) as an efficient catalyst for the electrocatalytic oxidation of urea in alkaline medium. <i>Electrochimica Acta</i> , 2022, 408, 139920.	2.6	14
2	Improved performance of cobalt hydroxychloride nanoparticles on poly (3-bromo thiophene) template for electrochemical oxygen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2022, 916, 116365.	1.9	4
3	Improved photocurrent response, photostability and photocatalytic hydrogen generation ability of CdS nanoparticles in presence of mesoporous carbon. <i>Materials Research Bulletin</i> , 2021, 134, 111085.	2.7	23
4	Direct synthesis of silver nanoparticles modified spherical mesoporous silica as efficient antibacterial materials. <i>Microporous and Mesoporous Materials</i> , 2021, 313, 110824.	2.2	19
5	Copper(0) nanoparticles immobilized on SBA-15: A versatile recyclable heterogeneous catalyst for solvent and ligand free C-S coupling reaction from diverse substrates. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111198.	2.2	7
6	A gold nanoparticle-intercalated mesoporous silica-based nanozyme for the selective colorimetric detection of dopamine. <i>Nanoscale Advances</i> , 2020, 2, 734-745.	2.2	33
7	3,6-Di(pyridin-2-yl)-1,2,4,5-tetrazine (pytz) catalysed metal-free amide bond formation from thioacids and amines at room temperature. <i>Tetrahedron Letters</i> , 2020, 61, 152272.	0.7	8
8	AgNPs Immobilized over Functionalized 2D Hexagonal SBA-15 for Catalytic C-H Oxidation of Hydrocarbons with Molecular Oxygen under Solvent-Free Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5856-5867.	3.2	40
9	Mesoporous silica supported samarium as recyclable heterogeneous catalyst for synthesis of 5-substituted tetrazole and 2-substituted benzothiazole. <i>Journal of Porous Materials</i> , 2019, 26, 145-155.	1.3	27
10	Non-Aggregation-Induced Colorimetric Detection of Ag <sup>+</sup> by Tetrazine-Capped Gold Nanoparticles Based on the Formation of Au-Ag Core-Shell Nanoparticles. <i>ChemistrySelect</i> , 2019, 4, 12409-12417.	0.7	5
11	One Step Synthesis of a Gold/Ordered Mesoporous Carbon Composite Using a Hard Template Method for Electrocatalytic Oxidation of Methanol and Colorimetric Determination of Glutathione. <i>ACS Omega</i> , 2019, 4, 16360-16371.	1.6	13
12	Palladium oxide nanoparticles intercalated mesoporous silica for solvent free acceptorless dehydrogenation reactions of alcohols. <i>Microporous and Mesoporous Materials</i> , 2019, 284, 186-197.	2.2	19
13	Palladium Catalyzed Regioselective Synthesis of Substituted Biaryl Amides through Decarbonylative Arylation of Phthalimides. <i>Journal of Organic Chemistry</i> , 2019, 84, 3968-3976.	1.7	11
14	Highly chemoselective hydrogenation of nitroarenes catalyzed by 3,6-di(pyridin-2-yl)-1,2,4,5-s-tetrazine capped silver nanoparticles in aqueous medium at room temperature. <i>Catalysis Communications</i> , 2019, 119, 62-66.	1.6	6
15	Visible light driven amide synthesis in water at room temperature from Thioacid and amine using CdS nanoparticles as heterogeneous Photocatalyst. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4199.	1.7	22
16	Mesoporous silica supported ytterbium as catalyst for synthesis of 1,2-disubstituted benzimidazoles and 2-substituted benzimidazoles. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4507.	1.7	16
17	3,6-Di(pyridin-2-yl)-1,2,4,5-tetrazine (pytz)-capped silver nanoparticles (TzAgNPs) inhibit biofilm formation of <i>Pseudomonas aeruginosa</i> : a potential approach toward breaking the wall of biofilm through reactive oxygen species (ROS) generation. <i>Folia Microbiologica</i> , 2018, 63, 763-772.	1.1	12
18	3,6-Di(pyridin-2-yl)-1,2,4,5-tetrazine (pytz) mediated metal-free mild oxidation of thiols to disulfides in aqueous medium. <i>RSC Advances</i> , 2016, 6, 39356-39363.	1.7	37

#	ARTICLE	IF	CITATIONS
19	Iron(III) complexes of 2-(1H-benzo[d]imidazol-2-yl)phenol and acetate or nitrate as catalysts for epoxidation of olefins with hydrogen peroxide. <i>Journal of Molecular Structure</i> , 2016, 1115, 207-213.	1.8	5
20	Morphological tuning of Eu <sub>2</sub> O <sub>3</sub> nanoparticles, manifestation of peroxidase-like activity and glucose assay use. <i>New Journal of Chemistry</i> , 2016, 40, 1595-1604.	1.4	25
21	An abiotic receptor and its Cu(II) complex as selective "turn-off" chemosensor for bisulfate ion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 147, 262-269.	2.0	6
22	Metal free visible light driven oxidation of alcohols to carbonyl derivatives using 3,6-di(pyridin-2-yl)-1,2,4,5-tetrazine (pytz) as catalyst. <i>RSC Advances</i> , 2015, 5, 84328-84333.	1.7	21
23	3,6-Di(pyridin-2-yl)-1,2,4,5-tetrazine capped Pd(0) nanoparticles: a catalyst for copper-free Sonogashira coupling of aryl halides in aqueous medium. <i>RSC Advances</i> , 2015, 5, 75263-75267.	1.7	12
24	Iron(III) and manganese(III) complexes of a pseudocalixarene tetraiminotetraphenol macrocyclic ligand: Structure, magnetism and electrochemistry. <i>Polyhedron</i> , 2014, 75, 118-126.	1.0	2
25	Non-enzymatic amperometric sensing of hydrogen peroxide at a CuS modified electrode for the determination of urine H <sub>2</sub> O <sub>2</sub> . <i>Electrochimica Acta</i> , 2014, 144, 282-287.	2.6	43
26	Synthesis of 3,6-di(pyridin-2-yl)-1,2,4,5-tetrazine (pytz) capped silver nanoparticles using 3,6-di(pyridin-2-yl)-1,4-dihydro-1,2,4,5-tetrazine as reducing agent: Application in naked eye sensing of Cu <sup>2+</sup> , Ni <sup>2+</sup> and Ag <sup>+</sup> ions in aqueous solution and paper platform. <i>Sensors and Actuators B: Chemical</i> , 2014, 202, 23-30.	4.0	19
27	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.	4.0	33
28	Photocatalysis by 3,6-Disubstituted-Tetrazine: Visible-Light Driven Metal-Free Green Synthesis of 2-Substituted Benzimidazole and Benzothiazole. <i>Journal of Organic Chemistry</i> , 2013, 78, 11184-11193.	1.7	110
29	A mononuclear copper(II) complex immobilized in mesoporous silica: an efficient heterogeneous catalyst for the aerobic oxidation of benzylic alcohols. <i>RSC Advances</i> , 2013, 3, 19455.	1.7	23
30	Visible-light-driven synthesis of 2-substituted benzothiazoles using CdS nanosphere as heterogeneous recyclable catalyst. <i>Tetrahedron Letters</i> , 2013, 54, 1090-1096.	0.7	42
31	Macrocyclic lanthanide(III) complexes of iminophenol Schiff bases and carboxylate anions: Syntheses, structures and luminescence properties. <i>Polyhedron</i> , 2013, 52, 976-985.	1.0	11
32	CuS nanoparticles as a mimic peroxidase for colorimetric estimation of human blood glucose level. <i>Talanta</i> , 2013, 107, 361-367.	2.9	158
33	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. <i>Journal of Molecular Catalysis A</i> , 2012, 360, 71-77.	4.8	73
34	Fixation of carbon dioxide by macrocyclic lanthanide(III) complexes under neutral conditions producing self-assembled trimeric carbonato-bridged compounds with $\mu_3$ - $\mu_2$ - $\mu_2$ bonding. <i>Dalton Transactions</i> , 2012, 41, 3414.	1.6	37
35	Iron selenide thin film: Peroxidase-like behavior, glucose detection and amperometric sensing of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 724-731.	4.0	68
36	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 <sub>2</sub> O <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 1919-1927.	4.0	259

#	ARTICLE	IF	CITATIONS
37	Synthesis and characterization of FeS nanoparticles obtained from a dithiocarboxylate precursor complex and their photocatalytic, electrocatalytic and biomimic peroxidase behavior. <i>Applied Catalysis A: General</i> , 2012, 419-420, 170-177.	2.2	62
38	Nanocrystalline FeS thin film used as an anode in photo-electrochemical solar cell and as hydrogen peroxide sensor. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 726-732.	4.0	33
39	Structural, spectroscopic, and magnetic properties of a diphenolate-bridged Fe(III) complex showing excellent phosphodiester cleavage activity. <i>Polyhedron</i> , 2012, 31, 110-117.	1.0	10
40	Mononuclear aluminum complex derived from 1,1,1,1-tetrakis[(2-salicylaldiminomethyl)]methane acting as a zinc sensor: Crystal structure, emission and lifetime studies. <i>Polyhedron</i> , 2012, 40, 72-80.	1.0	5
41	Structural, spectroscopic, and electrochemical properties of two mononuclear iron(III) complexes derived from a tetraaminodiphenolate ligand. <i>Journal of Molecular Structure</i> , 2011, 996, 31-37.	1.8	5
42	Structural, Spectroscopic, and Proton-Coupled Electron-Transfer Behavior of Pyrazolyl-3,5-bis(benzimidazole)-Bridged Homo- and Heterochiral Ru <sup>II</sup> , Os <sup>II</sup> , and Os <sup>II</sup> Ru <sup>II</sup> 2,2'-Bipyridine Complexes. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 570-588.	1.0	21
43	Multiple metal coordinating behaviour of the tetrapodal ligand 1,1,1,1-tetrakis[(salicylaldimino)methyl]methane. <i>Inorganic Chemistry Communication</i> , 2010, 13, 1074-1080.	1.8	8
44	Structure, Stereochemistry, and Physico-Chemical Properties of Trinuclear and Dinuclear Metal(II) Complexes of a Phenol-Based Tetrapodal Schiff Base Ligand. <i>Inorganic Chemistry</i> , 2010, 49, 7382-7400.	1.9	26
45	Syntheses, structures and electrochemistry of manganese(III) complexes derived from N,N'-o-phenylenebis(3-ethoxysalicylaldimine): Efficient catalyst for styrene epoxidation. <i>Polyhedron</i> , 2009, 28, 2473-2479.	1.0	35
46	Methoxy-bridged diiron(III) complex of m-xylenebis(acetylacetonate) showing remarkable thermal stability for encapsulated dichloromethane. <i>New Journal of Chemistry</i> , 2009, 33, 847.	1.4	12
47	Influence of counter anions on structural, spectroscopic and electrochemical behaviours of copper(II) complexes of dipyrido[3,2-f:2',3'-h]-quinoxaline (dpq). <i>Polyhedron</i> , 2008, 27, 2105-2112.	1.0	17
48	Halogen Exchange and Scrambling between C-X and M-X Bonds in Copper, Nickel, and Cobalt Complexes of 6,6'-bis(bromo/ chloromethyl)-2,2'-bipyridine. <i>Structural, Electrochemical, and Photochemical Studies. Inorganic Chemistry</i> , 2008, 47, 281-296.	1.9	21
49	Formation of oxo-bridged tetrairon(III) complexes mediated by oxygen activation. Structure, spectroscopy, magnetism and electrochemistry. <i>New Journal of Chemistry</i> , 2007, 31, 93-101.	1.4	17
50	Structural, spectroscopic and redox properties of transition metal complexes of dipyrido[3,2-f:2',3'-h]-quinoxaline (dpq). <i>Polyhedron</i> , 2007, 26, 3750-3762.	1.0	28
51	Synthesis, Reactivities, and Magnetostructural Properties of Fe(III), Fe(III)-O-Fe(III), and Zn(II)Fe(III)-O-Fe(III) Complexes of a Tetraaminodiphenolate Macrocyclic. <i>Inorganic Chemistry</i> , 2006, 45, 4830-4844.	1.9	28