

# Jamespandi Annaraj

## List of Publications by Year in descending order

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37  
papers

1,684  
citations

304368

22  
h-index

315357

38  
g-index

39  
all docs

39  
docs citations

39  
times ranked

2023  
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometric and electronic structure and reactivity of a mononuclear $\eta^2$ -side-on nickel(III) peroxo complex. <i>Nature Chemistry</i> , 2009, 1, 568-572.	6.6	153
2	[Mn(tmc)(O <sub>2</sub> )] <sup>+</sup> : A Side-On Peroxido Manganese(III) Complex Bearing a Non-Heme Ligand. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 377-380.	7.2	127
3	Identification of an $\eta^2$ -Nickel <sup>II</sup> Superoxo Adduct, [Ni(tmc)(O <sub>2</sub> )] <sup>+</sup> . <i>Journal of the American Chemical Society</i> , 2006, 128, 14230-14231.	6.6	118
4	Structural Characterization and Remarkable Axial Ligand Effect on the Nucleophilic Reactivity of a Nonheme Manganese(III) Peroxo Complex. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4150-4153.	7.2	115
5	Spectral and redox studies on mixed ligand complexes of cobalt(III) phenanthroline/bipyridyl and benzoylhydrazones, their DNA binding and antimicrobial activity. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 876-882.	1.5	99
6	Reversible NIR fluorescent probes for Cu <sup>2+</sup> ions detection and its living cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 3235-3247.	4.0	91
7	Mononuclear nonheme ferric-peroxo complex in aldehyde deformylation. <i>Chemical Communications</i> , 2005, , 4529.	2.2	82
8	Mixed ligand copper(II) complexes of phenanthroline/bipyridyl and curcumin diketimines as DNA intercalators and their electrochemical behavior under Nafion <sup>®</sup> and clay modified electrodes. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 669-676.	1.5	81
9	Mixed-ligand copper(II) Schiff base complexes: the vital role of co-ligands in DNA/protein interactions and cytotoxicity. <i>New Journal of Chemistry</i> , 2017, 41, 1267-1283.	1.4	80
10	Biocompatible curcumin loaded PMMA-PEG/ZnO nanocomposite induce apoptosis and cytotoxicity in human gastric cancer cells. <i>Materials Science and Engineering C</i> , 2017, 80, 59-68.	3.8	69
11	In vivo bio-imaging studies of highly selective, sensitive rhodamine based fluorescent chemosensor for the detection of Cu <sup>2+</sup> /Fe <sup>3+</sup> ions. <i>Sensors and Actuators B: Chemical</i> , 2018, 274, 22-29.	4.0	63
12	Mixed-ligand copper(II)-phenolate complexes: structure and studies on DNA/protein binding profiles, DNA cleavage, molecular docking and cytotoxicity. <i>RSC Advances</i> , 2016, 6, 1810-1825.	1.7	58
13	Reactivity of a cobalt(III)-peroxo complex in oxidative nucleophilic reactions. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 2155-2159.	1.5	56
14	Enhancing the anti-gastric cancer activity of curcumin with biocompatible and pH sensitive PMMA-AA/ZnO nanoparticles. <i>Materials Science and Engineering C</i> , 2018, 82, 182-189.	3.8	54
15	Sensitive and selective turn-off-on fluorescence detection of Hg <sup>2+</sup> and cysteine using nitrogen doped carbon nanodots derived from citron and urine. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 1133-1143.	4.0	53
16	A Schiff's base receptor for red fluorescence live cell imaging of Zn <sup>2+</sup> ions in zebrafish embryos and naked eye detection of Ni <sup>2+</sup> ions for bio-analytical applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3195-3200.	2.9	37
17	Synthesis, characterization, structural analysis and DNA binding studies of nickel(II)-triphenylphosphine complex of ONS donor ligand $\eta^2$ -Multisubstituted thiosemicarbazone as highly selective sensor for fluoride ion. <i>Polyhedron</i> , 2013, 59, 58-68.	1.0	34
18	A novel curcumin-loaded PLGA micromagnetic composite system for controlled and pH-responsive drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 573, 188-195.	2.3	32

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19	An iron(II) complex with a N3S2 thioether ligand in the generation of an iron(IV)-oxo complex and its reactivity in olefin epoxidation. <i>Inorganica Chimica Acta</i> , 2009, 362, 1031-1034.	1.2	27
20	Synthesis, spectral characterization and DNA bindings of tridentate N 2 O donor Schiff base metal(II) complexes. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 148, 290-301.	1.7	24
21	Magnetic iron oxide nanoparticles (<sc>MION</sc>s) cross-linked natural polymer-based hybrid gel beads: Controlled nano anti- <sc>TB</sc> drug delivery application. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 1039-1050.	2.1	23
22	Solvent dependent colorimetric, ratiometric dual sensor for copper and fluoride ions: Real sample analysis, cytotoxicity and computational studies. <i>Inorganica Chimica Acta</i> , 2016, 450, 131-139.	1.2	19
23	Environmentally Benign Carbon Nanodots Prepared from Lemon for the Sensitive and Selective Fluorescence Detection of Fe(III) and Tannic Acid. <i>Journal of Fluorescence</i> , 2019, 29, 631-643.	1.3	19
24	Design of rutile nanospheres decorated rGO/β <sup>2</sup> -CD nanoflakes composite: A sustainable electrocatalyst for effective non-enzymatic determination of L-Tyrosine. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130955.	4.0	18
25	Biological evaluation of redox stable cisplatin/Cu(II)-DNA adducts as potential anticancer agents. <i>Journal of Coordination Chemistry</i> , 2016, 69, 238-252.	0.8	16
26	In vivo bio-imaging of sodium meta-arsenite and hydrogen phosphate in zebrafish embryos using red fluorescent zinc complex. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 507-513.	4.0	14
27	Spectrophotometric and fluorometric detection of DNA/BSA interaction, antimicrobial, anticancer, antioxidant and catalytic activities of biologically active methoxy substituted pyrimidine-ligand capped copper nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120454.	2.0	14
28	Molecular structure, spectroscopic, solvatochromic, dyeing performance and biological evaluations of heterocyclic azo dye, 4-[(E)-(4-hydroxy-2-methylphenyl)diazonyl]-1,5-dimethyl-2-phenyl-1,2-dihydro-3H-pyrazol-3-one. <i>Journal of Molecular Structure</i> , 2019, 1195, 556-569.	1.8	10
29	A Single and Simple Receptor as a Multifunctional Chemosensor for the Al <sup>3+</sup> /Cu <sup>2+</sup> ions and Its Live Cell Imaging Applications.. <i>ChemistrySelect</i> , 2017, 2, 375-383.	0.7	9
30	Cu(II) and Ni(II) Complexes of Anthracene-Affixed Schiff Base: A Conflict between Covalent and Stacking Interactions with DNA Bases. <i>ChemistrySelect</i> , 2017, 2, 5475-5484.	0.7	7
31	Barium titanate nanoparticle-based disposable sensor for nanomolar level detection of the haematotoxic pollutant quinol in aquatic systems. <i>New Journal of Chemistry</i> , 2022, 46, 3006-3016.	1.4	7
32	Synthesis, Characterization, and DNA Binding Studies of Nanoplumbagin. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-9.	1.5	5
33	A Lucid Build-Up of Nanostructured Curcumin, Quercetin and Their Interaction with DNA. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 4874-4879.	0.9	5
34	Role of Nanocurcumin as a Surface Modifying Agent with Excellent Preventive Effect on Device-Related CoNS Infections. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2020, 90, 29-35.	0.4	4
35	Bioactive mono/bis (carboxyamide) based Co (II), Ni (II) and Cu (II) complexes: Synthesis, Characterization, DNA binding and Anticancer Potentials. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4660.	1.7	2
36	Growth, structural and optical properties of new semi-organic crystal of tris-thiourea zirconium chloride (TTZrC). <i>Invertis Journal of Renewable Energy</i> , 2018, 8, 39.	0.1	1

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37	Synthesis and structural analysis of beta cobalt hydroxide ( $\beta$ -CoOH) nanosheets derived from ZIF 67 metal-organic framework. Materials Research Express, 2022, 9, 025002.	0.8	0