

Arindam Mukherjee

List of Publications by Year in descending order

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papers

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304368

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times ranked

2179
citing authors

#	ARTICLE	IF	CITATIONS
1	Catechol oxidase and phenoxazinone synthase: Biomimetic functional models and mechanistic studies. <i>Coordination Chemistry Reviews</i> , 2016, 310, 80-115.	9.5	202
2	Helical supramolecular host with aquapores anchoring alternate molecules of helical water chains Dedicated to Professor C. N. R. Rao on his 70th birthday. Electronic supplementary information (ESI) available: structural, spectral and magnetic data (Figs. S1-S5, Tables S1, S2). See http://www.rsc.org/suppdata/cc/b3/b316275c/ . <i>Chemical Communications</i> , 2004, , 716.	2.2	122
3	Cytotoxicity, Hydrophobicity, Uptake, and Distribution of Osmium(II) Anticancer Complexes in Ovarian Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 840-849.	2.9	120
4	Magnetostructural Studies on Ferromagnetically Coupled Copper(II) Cubanes of Schiff-Base Ligands. <i>Chemistry - A European Journal</i> , 2005, 11, 3087-3096.	1.7	73
5	The synthesis, characterization and catecholase activity of dinuclear cobalt(II) complexes of an O-donor rich Schiff base ligand. <i>New Journal of Chemistry</i> , 2014, 38, 4985-4995.	1.4	62
6	Ternary iron(II) complex with an emissive imidazopyridine arm from Schiff base cyclizations and its oxidative DNA cleavage activity. <i>Dalton Transactions</i> , 2005, , 349.	1.6	61
7	Colorimetric detection of fluoride ions by anthraimidazoledione based sensors in the presence of Cu(II) ions. <i>Dalton Transactions</i> , 2016, 45, 1166-1175.	1.6	57
8	Cubane{CuII ₄ } Cluster as a Precursor for the Preparation of a Mixed-Valent{CuII ₂ CuI ₂ } Core. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 87-90.	7.2	51
9	Covalent Linkage of the Type-2 and Type-3 Structural Mimics to Model the Active Site Structure of Multicopper Oxidases: Synthesis and Magneto- Structural Properties of Two Angular Trinuclear Copper(II) Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 5660-5668.	1.9	47
10	Ruthenium(II) p-cymene complexes of a benzimidazole-based ligand capable of VEGFR2 inhibition: hydrolysis, reactivity and cytotoxicity studies. <i>Dalton Transactions</i> , 2017, 46, 8539-8554.	1.6	37
11	Nitric Oxide Releasing Delivery Platforms: Design, Detection, Biomedical Applications, and Future Possibilities. <i>Molecular Pharmaceutics</i> , 2021, 18, 3181-3205.	2.3	37
12	Redox-Driven Disassembly of Polymer-Encapsulated Chlorambucil Polyprodrug: Delivery of Anticancer Nitrogen Mustard and DNA Alkylation. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2503-2515.	2.0	35
13	Zero-Order Catechol Oxidase Activity by a Mononuclear Manganese(III) Complex Showing High Turnover Comparable to Catechol Oxidase Enzyme. <i>ChemCatChem</i> , 2013, 5, 3533-3537.	1.8	34
14	Effect of N ₂ Coordination and Ru(II)-Halide Bond in Enhancing Selective Toxicity of a Tyramine-Based Ru(II)-p-Cymene Complex. <i>Inorganic Chemistry</i> , 2020, 59, 6581-6594.	1.9	31
15	Synthesis, Crystal Structure, and Magnetic Properties of an Alkoxo-Hydroxo-Bridged Octanuclear Copper(II) Complex Showing Chemically Significant Hydrogen-Bonding Interactions Involving a Metallamacrocyclic Core. <i>Inorganic Chemistry</i> , 2003, 42, 463-468.	1.9	30
16	Copper(II) complex of methionine conjugated bis-pyrazole based ligand promotes dual pathway for DNA cleavage. <i>Dalton Transactions</i> , 2013, 42, 11709.	1.6	29
17	Effect of an Imidazole-Containing Schiff Base of an Aromatic Sulfonamide on the Cytotoxic Efficacy of N,N-Coordinated Half-Sandwich Ruthenium(II) p-Cymene Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 4744-4754.	1.9	29
18	Synthesis, Structure, Stability, and Inhibition of Tubulin Polymerization by Ru(II)-p-Cymene Complexes of Trimethoxyaniline-Based Schiff Bases. <i>Inorganic Chemistry</i> , 2019, 58, 9213-9224.	1.9	26

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19	Dicopper(II) Schiff base aminobenzoates with discrete molecular and 1D-chain polymeric structures. <i>Polyhedron</i> , 2004, 23, 2177-2182.	1.0	25
20	Alteration of steric hindrance modulates glutathione resistance and cytotoxicity of three structurally related Ru ^{II} -p-cymene complexes. <i>Dalton Transactions</i> , 2016, 45, 8541-8555.	1.6	25
21	Synthesis, crystal structure and magnetic properties of quasi-linear tetranuclear copper(II) Schiff base complexes formed by covalent linkage of asymmetrically bridged dicopper(II) units. <i>Inorganica Chimica Acta</i> , 2004, 357, 1077-1082.	1.2	24
22	Periodic Iron Nanomineralization in Human Serum Transferrin Fibrils. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2217-2221.	7.2	24
23	A new family of octanuclear Cu ₄ Ln ₄ (Ln = Gd, Tb and Dy) spin clusters. <i>Dalton Transactions</i> , 2008, , 59-63.	1.6	23
24	A hypoxia efficient imidazole-based Ru(II) arene anticancer agent resistant to deactivation by glutathione. <i>Dalton Transactions</i> , 2015, 44, 5969-5973.	1.6	23
25	A hydroquinone based palladium catalyst for room temperature nitro reduction in water. <i>RSC Advances</i> , 2014, 4, 35233-35237.	1.7	22
26	Anticancer activity of a cis-dichloridoplatinum(II) complex of a chelating nitrogen mustard: insight into unusual guanine binding mode and low deactivation by glutathione. <i>Dalton Transactions</i> , 2016, 45, 3599-3615.	1.6	22
27	Anticancer activity of a chelating nitrogen mustard bearing tetrachloridoplatinum(IV) complex: better stability yet equipotent to the Pt(II) analogue. <i>Dalton Transactions</i> , 2016, 45, 11710-11722.	1.6	21
28	New Family of Ferric Spin Clusters Incorporating Redox-Active <i>ortho</i> -Dioxolene Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 7765-7781.	1.9	19
29	Synthesis, crystal structure and imine bond activation of a copper(II) Schiff base complex. <i>Polyhedron</i> , 2004, 23, 3081-3085.	1.0	18
30	ATP7B Binds Ruthenium(II)-p-Cymene Half-Sandwich Complexes: Role of Steric Hindrance and Ru ^{II} Coordination in Rescuing the Sequestration. <i>Inorganic Chemistry</i> , 2019, 58, 15659-15670.	1.9	18
31	Effect of glucosamine conjugation to zinc(II) complexes of a bis-pyrazole ligand: Syntheses, characterization and anticancer activity. <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 131-142.	1.5	17
32	Influence of Solvent in Solvothermal Syntheses: Change of Nuclearity in Mixed Valence Coll/III Complexes of a O-Donor-rich Schiff Base Ligand. <i>Crystal Growth and Design</i> , 2015, 15, 706-717.	1.4	17
33	Cytotoxic Ru ^{II} -p-cymene complexes of an anthraimidazoledione: halide dependent solution stability, reactivity and resistance to hypoxia deactivation. <i>Dalton Transactions</i> , 2019, 48, 7187-7197.	1.6	17
34	Differences in Stability, Cytotoxicity, and Mechanism of Action of Ru(II) and Pt(II) Complexes of a Bidentate N,O Donor Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 10262-10274.	1.9	17
35	Disruption of the Microtubule Network and Inhibition of VEGFR2 Phosphorylation by Cytotoxic N,O-Coordinated Pt(II) and Ru(II) Complexes of Trimethoxy Aniline-Based Schiff Bases. <i>Inorganic Chemistry</i> , 2021, 60, 3418-3430.	1.9	17
36	Investigation of 3d-transition metal acetates in the oxidation of substituted dioxolene and phenols. <i>Journal of Molecular Catalysis A</i> , 2015, 407, 93-101.	4.8	16

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37	Effect of a pentadentate Schiff base on the helical supramolecular structures of (1/4-alkoxo)(1/4-carboxylato)dicopper(II) complexes. <i>Polyhedron</i> , 2005, 24, 1922-1928.	1.0	14
38	Inhibition of 3D colon cancer stem cell spheroids by cytotoxic Rull-p-cymene complexes of mesalazine derivatives. <i>Chemical Communications</i> , 2020, 56, 5421-5424.	2.2	14
39	An angular trinuclear copper(II) complex as a model for the active site of multicopper oxidases. <i>Polyhedron</i> , 2004, 23, 643-647.	1.0	13
40	Effect of carboxylate spacers on the supramolecular self-assembly of dicopper(ii) Schiff base complexes stabilizing water assemblies of different conformations. <i>New Journal of Chemistry</i> , 2005, 29, 596.	1.4	13
41	Structure and properties of metal complexes of a pyridine based oxazolidinone synthesized by atmospheric CO ₂ fixation. <i>New Journal of Chemistry</i> , 2014, 38, 817-826.	1.4	13
42	Manganese(III) acetate mediated catalytic oxidation of substituted dioxolene and phenols. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 186-194.	4.8	13
43	Modulation of the reactivity of nitrogen mustards by metal complexation: approaches to modify their therapeutic properties. <i>Dalton Transactions</i> , 2019, 48, 1144-1160.	1.6	13
44	Oxamusplatin: a cytotoxic Pt(II) complex of a nitrogen mustard with resistance to thiol based sequestration displays enhanced selectivity towards cancer. <i>Dalton Transactions</i> , 2020, 49, 2547-2558.	1.6	13
45	Magnetostructural Studies on Tetranuclear Manganese [Mn ^{III} ₂ Mn ^{II} ₂] Complexes of 9-Hydroxyphenalenone with Weak π - π Interactions. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 5814-5824.	1.0	11
46	Encapsulation of paramagnetic 3d1-vanadium(IV) in an antiferromagnetically coupled dodecanuclear copper(II) cage Electronic supplementary information (ESI) available: magnetic susceptibility data for compound 1. See http://www.rsc.org/suppdata/cc/b3/b310521k/ . <i>Chemical Communications</i> , 2003, , 2978.	2.2	10
47	Magneto-structural study on a tetracopper(II) Schiff base complex stabilizing a decanuclear water aggregate. <i>Polyhedron</i> , 2006, 25, 2135-2141.	1.0	9
48	Nitric oxide release by N-(2-chloroethyl)-N-nitrosoureas: a rarely discussed mechanistic path towards their anticancer activity. <i>RSC Advances</i> , 2015, 5, 2137-2146.	1.7	9
49	Hypoxia Active Platinum(IV) Prodrugs of Orotic Acid Selective to Liver Cancer Cells. <i>Inorganic Chemistry</i> , 2021, 60, 4342-4346.	1.9	9
50	Ultraviolet Light- or pH-Triggered Nitric Oxide Release from a Water-Soluble Polymeric Scaffold. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2310-2315.	2.0	9
51	Ferrocene Mono- and Di-Sulfonates as Building Blocks in Hydrogen-Bonded Networks. <i>Australian Journal of Chemistry</i> , 2007, 60, 578.	0.5	6
52	Human Serum Transferrin Fibrils: Nanomineralisation in Bacteria and Destruction of Red Blood Cells. <i>ChemBioChem</i> , 2015, 16, 149-155.	1.3	6
53	Synthesis, Characterization, and Cytotoxicity of Morpholine-Containing Ruthenium(II) <i>p</i> -Cymene Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 12172-12185.	1.9	6
54	Cytotoxic Ruthenium(II) Complexes of Pyrazolylbenzimidazole Ligands That Inhibit VEGFR2 Phosphorylation. <i>Inorganic Chemistry</i> , 2021, 60, 18379-18394.	1.9	6

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55	Cytotoxicity and reactivity of a redox active 1,4-quinone-pyrazole compound and its Ru(II)-p-cymene complex. <i>Inorganica Chimica Acta</i> , 2020, 502, 119361.	1.2	5
56	A dodecanuclear manganese(II,III) complex of pentaerythritol. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, m71-m73.	0.4	3
57	Ferric ion (hydr)oxo clusters in the "Venus flytrap" cleft of FbpA: Mössbauer, calorimetric and mass spectrometric studies. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 573-588.	1.1	3
58	Selective targeting of the inactive state of hematopoietic cell kinase (Hck) with a stable curcumin derivative. <i>Journal of Biological Chemistry</i> , 2021, 296, 100449.	1.6	3
59	Effect of methionine and glucosamine conjugation on the anticancer activity of aromatic dinitrobenzamide mustards. <i>Journal of Chemical Sciences</i> , 2016, 128, 401-413.	0.7	2
60	Fluorescent cyclic phosphoramidate mustards and their cytotoxicity against cancer and cancer stem cells. <i>Polyhedron</i> , 2019, 172, 205-215.	1.0	2
61	A trans-dichloridoplatinum(II) complex of a monodentate nitrogen mustard: Synthesis, stability and cytotoxicity studies. <i>Journal of Inorganic Biochemistry</i> , 2020, 204, 110982.	1.5	2
62	Inside Cover: Periodic Iron Nanomineralization in Human Serum Transferrin Fibrils (<i>Angew. Chem. Int.</i>)	7.2	0
63	Synthesis, structure and cytotoxicity of N,N and N,O coordinated Ru(II) complexes of 3-aminobenzoate Schiff bases against triple-negative breast cancer. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3729-3742.	1.7	0