Sukanta Mandal

List of Publications by Year
in descending order

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19	1,948	687363 13	752698 20
papers	citations	h-index	g-index

20	20	20	2720
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A molecular ruthenium catalyst with water-oxidation activity comparable to that of photosystem II. Nature Chemistry, 2012, 4, 418-423.	13.6	1,131
2	Water Oxidation Catalysis with Nonheme Iron Complexes under Acidic and Basic Conditions: Homogeneous or Heterogeneous?. Inorganic Chemistry, 2013, 52, 9522-9531.	4.0	164
3	Cobalt analogs of Ru-based water oxidation catalysts: overcoming thermodynamic instability and kinetic lability to achieve electrocatalytic O2 evolution. Chemical Science, 2012, 3, 3058.	7.4	140
4	Catalytic Four-Electron Reduction of O₂ via Rate-Determining Proton-Coupled Electron Transfer to a Dinuclear Cobalt-Î¼-1,2-peroxo Complex. Journal of the American Chemical Society, 2012, 134, 9906-9909.	13.7	106
5	Protonation Equilibrium and Hydrogen Production by a Dinuclear Cobaltâ€“Hydride Complex Reduced by Cobaltocene with Trifluoroacetic Acid. Journal of the American Chemical Society, 2013, 135, 15294-15297.	13.7	82
6	Modeling Tyrosinase and Catecholase Activity Using New m-Xylyl-Based Ligands with Bidentate Alkylamine Terminal Coordination. Inorganic Chemistry, 2012, 51, 13148-13161.	4.0	81
7	Syntheses, X-ray Structures, and Physicochemical Properties of Phenoxo-Bridged Dinuclear Nickel(II) Complexes: Kinetics of Transesterification of 2-Hydroxypropyl-p-nitrophenylphosphate. Inorganic Chemistry, 2009, 48, 7544-7556.	4.0	53
8	Modeling tyrosinase activity. Effect of ligand topology on aromatic ring hydroxylation: An overview. Journal of Inorganic Biochemistry, 2008, 102, 1170-1189.	3.5	40
9	Discrete and 1D coordination polymeric chloro-bridged copper(II) dimers exhibiting ferro- and antiferromagnetic exchange coupling: Magneto-structural correlations and non-covalent interactions. Inorganica Chimica Acta, 2009, 362, 27-37.	2.4	30
10	Aerobic oxidation of 2-aminophenol catalysed by a series of mononuclear copper(<scp>ii</scp>) complexes: phenoxazinone synthase-like activity and mechanistic study. New Journal of Chemistry, 2020, 44, 12793-12805.	2.8	25
11	Mononuclear Ruthenium-Based Water Oxidation Catalyst Supported by Anionic, Redox-Non-Innocent Ligand: Heterometallic Oâ€“O Bond Formation via Radical Coupling Pathway. Inorganic Chemistry, 2020, 59, 1461-1470.	4.0	20
12	A new tyrosinase model with 1,3-bis[(2-dimethylaminoethyl)iminomethyl]benzene: Binuclear copper(I) and phenoxo/hydroxo-bridged dicopper(II) complexes. Inorganica Chimica Acta, 2006, 359, 4019-4026.	2.4	17
13	Synthesis, structure, spectroscopy and reactivity of new heterotrinuclear water oxidation catalysts. Chemical Science, 2016, 7, 3304-3312.	7.4	17
14	Ligand Influence over the Formation of Dinuclear [2+2] versus Trinuclear [3+3] CuISchiff Base Macrocyclic Complexes. Inorganic Chemistry, 2011, 50, 6878-6889.	4.0	13
15	Dangling Carboxylic Group That Participates in Oâ€“O Bond Formation Reaction to Promote Water Oxidation Catalyzed by a Ruthenium Complex: Experimental Evidence of an Oxide Relay Pathway. Inorganic Chemistry, 2022, 61, 1426-1437.	4.0	7
16	Oxygenolysis of a series of copper(<scp>ii</scp>)-flavonolate adducts varying the electronic factors on supporting ligands as a mimic of quercetin 2,4-dioxygenase-like activity. Dalton Transactions, 2022, 51, 4338-4353.	3.3	6
17	Formation of {Cu$m{ {_{2}^{III}}}$(Î¼-O)2}2+Core Due to Dioxygen Reactivity of a Copper(I) Complex Supported by a New Hybrid Tridentate Ligand: Reaction with Exogenous Substrates. Chemistry and Biodiversity, 2008, 5, 1594-1608.	2.1	5
18	Synthesis and Physicochemical Properties of Ruthenium(II) Complexes Having Pentadentate Scaffolds: Water Oxidation Activity and Deactivation Pathway. European Journal of Inorganic Chemistry, 2019, 2019, 164-177.	2.0	5

#	Article	IF	Citations
19	The impact of secondary coordination sphere engineering on water oxidation reactivity catalysed by molecular ruthenium complexes: a next-generation approach to develop advanced catalysts. Dalton Transactions, 2022, 51, 10320-10337.	3.3	5