

Sukanta Mandal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/696687/publications.pdf>

Version: 2024-02-01

19
papers

1,948
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

2720
citing authors

#	ARTICLE	IF	CITATIONS
1	Dangling Carboxylic Group That Participates in O–O Bond Formation Reaction to Promote Water Oxidation Catalyzed by a Ruthenium Complex: Experimental Evidence of an Oxide Relay Pathway. <i>Inorganic Chemistry</i> , 2022, 61, 1426-1437.	4.0	7
2	Oxygenolysis of a series of copper(II)-flavonolate adducts varying the electronic factors on supporting ligands as a mimic of quercetin 2,4-dioxygenase-like activity. <i>Dalton Transactions</i> , 2022, 51, 4338-4353.	3.3	6
3	The impact of secondary coordination sphere engineering on water oxidation reactivity catalysed by molecular ruthenium complexes: a next-generation approach to develop advanced catalysts. <i>Dalton Transactions</i> , 2022, 51, 10320-10337.	3.3	5
4	Mononuclear Ruthenium-Based Water Oxidation Catalyst Supported by Anionic, Redox-Non-Innocent Ligand: Heterometallic O–O Bond Formation via Radical Coupling Pathway. <i>Inorganic Chemistry</i> , 2020, 59, 1461-1470.	4.0	20
5	Aerobic oxidation of 2-aminophenol catalysed by a series of mononuclear copper(II) complexes: phenoxazinone synthase-like activity and mechanistic study. <i>New Journal of Chemistry</i> , 2020, 44, 12793-12805.	2.8	25
6	Synthesis and Physicochemical Properties of Ruthenium(II) Complexes Having Pentadentate Scaffolds: Water Oxidation Activity and Deactivation Pathway. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 164-177.	2.0	5
7	Synthesis, structure, spectroscopy and reactivity of new heterotrinnuclear water oxidation catalysts. <i>Chemical Science</i> , 2016, 7, 3304-3312.	7.4	17
8	Water Oxidation Catalysis with Nonheme Iron Complexes under Acidic and Basic Conditions: Homogeneous or Heterogeneous?. <i>Inorganic Chemistry</i> , 2013, 52, 9522-9531.	4.0	164
9	Protonation Equilibrium and Hydrogen Production by a Dinuclear Cobalt(II) Hydride Complex Reduced by Cobaltocene with Trifluoroacetic Acid. <i>Journal of the American Chemical Society</i> , 2013, 135, 15294-15297.	13.7	82
10	Catalytic Four-Electron Reduction of O ₂ via Rate-Determining Proton-Coupled Electron Transfer to a Dinuclear Cobalt(II)-1,2-peroxo Complex. <i>Journal of the American Chemical Society</i> , 2012, 134, 9906-9909.	13.7	106
11	Modeling Tyrosinase and Catecholase Activity Using New <i>m</i> -Xylyl-Based Ligands with Bidentate Alkylamine Terminal Coordination. <i>Inorganic Chemistry</i> , 2012, 51, 13148-13161.	4.0	81
12	Cobalt analogs of Ru-based water oxidation catalysts: overcoming thermodynamic instability and kinetic lability to achieve electrocatalytic O ₂ evolution. <i>Chemical Science</i> , 2012, 3, 3058.	7.4	140
13	A molecular ruthenium catalyst with water-oxidation activity comparable to that of photosystem II. <i>Nature Chemistry</i> , 2012, 4, 418-423.	13.6	1,131
14	Ligand Influence over the Formation of Dinuclear [2+2] versus Trinuclear [3+3] CuI Schiff Base Macrocyclic Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 6878-6889.	4.0	13
15	Discrete and 1D coordination polymeric chloro-bridged copper(II) dimers exhibiting ferro- and antiferromagnetic exchange coupling: Magneto-structural correlations and non-covalent interactions. <i>Inorganica Chimica Acta</i> , 2009, 362, 27-37.	2.4	30
16	Syntheses, X-ray Structures, and Physicochemical Properties of Phenoxo-Bridged Dinuclear Nickel(II) Complexes: Kinetics of Transesterification of 2-Hydroxypropyl- <i>p</i> -nitrophenylphosphate. <i>Inorganic Chemistry</i> , 2009, 48, 7544-7556.	4.0	53
17	Modeling tyrosinase activity. Effect of ligand topology on aromatic ring hydroxylation: An overview. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1170-1189.	3.5	40
18	Formation of {Cu ₂ (μ ₃ -O) ₂ } ²⁺ Core Due to Dioxygen Reactivity of a Copper(I) Complex Supported by a New Hybrid Tridentate Ligand: Reaction with Exogenous Substrates. <i>Chemistry and Biodiversity</i> , 2008, 5, 1594-1608.	2.1	5

#	ARTICLE	IF	CITATIONS
19	A new tyrosinase model with 1,3-bis[(2-dimethylaminoethyl)iminomethyl]benzene: Binuclear copper(I) and phenoxo/hydroxo-bridged dicopper(II) complexes. <i>Inorganica Chimica Acta</i> , 2006, 359, 4019-4026.	2.4	17