

Catherine Belle

List of Publications by Year in descending order

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48
papers

2,262
citations

270111

25
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232693

48
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50
all docs

50
docs citations

50
times ranked

2654
citing authors

#	ARTICLE	IF	CITATIONS
1	Ditopic Chelators of Dicopper Centers for Enhanced Tyrosinases Inhibition. Chemistry - A European Journal, 2021, 27, 4384-4393.	1.7	6
2	Synthesis of unsymmetrical 1,8-naphthyridine-based ligands for the assembly of tri- and tetra-nuclear copper(II) complexes. New Journal of Chemistry, 2020, 44, 16713-16720.	1.4	0
3	A Nanotube-Supported Dicopper Complex Enhances Pt-free Molecular H ₂ /Air Fuel Cells. Joule, 2019, 3, 2020-2029.	11.7	28
4	High-valence Cu ^{II} Cu ^{III} species in action: demonstration of aliphatic C-H bond activation at room temperature. Chemical Communications, 2019, 55, 12711-12714.	2.2	9
5	Tyrosinases: Enzymes, Models and Related Applications. Series on Chemistry, Energy and the Environment, 2019, , 155-183.	0.3	4
6	Effect of ligand exchange on the one-electron oxidation process of alkoxy or phenoxy bridged binuclear copper(II) complexes. Inorganica Chimica Acta, 2018, 481, 113-119.	1.2	4
7	Effect of Mono-electronic Oxidation of an Unsymmetrical Phenoxido-Hydroxido Bridged Dicopper(II) Complex. Inorganic Chemistry, 2018, 57, 12364-12375.	1.9	12
8	Tetranuclear and dinuclear phenoxido bridged copper complexes based on unsymmetrical thiosemicarbazone ligands. Dalton Transactions, 2018, 47, 9665-9676.	1.6	10
9	Influence of Asymmetry on the Redox Properties of Phenoxy- and Hydroxy-Bridged Dicopper Complexes: Spectroelectrochemical and Theoretical Studies. Inorganic Chemistry, 2017, 56, 7707-7719.	1.9	16
10	2-Hydroxypyridine-N-oxide-Embedded Aurones as Potent Human Tyrosinase Inhibitors. ACS Medicinal Chemistry Letters, 2017, 8, 55-60.	1.3	38
11	Room-Temperature Characterization of a Mixed-Valent μ_4 -Hydroxodicopper(II,III) Complex. Inorganic Chemistry, 2016, 55, 8263-8266.	1.9	25
12	Are Human Tyrosinase and Related Proteins Suitable Targets for Melanoma Therapy?. Current Topics in Medicinal Chemistry, 2016, 16, 3033-3047.	1.0	54
13	Investigation of Binding Site Homology between Mushroom and Bacterial Tyrosinases by Using Aurones as Effectors. ChemBioChem, 2014, 15, 1325-1333.	1.3	26
14	Probing kojic acid binding to tyrosinase enzyme: insights from a model complex and QM/MM calculations. Chemical Communications, 2014, 50, 308-310.	2.2	25
15	Exploring the Interaction of N/S Compounds with a Dicopper Center: Tyrosinase Inhibition and Model Studies. Inorganic Chemistry, 2014, 53, 12848-12858.	1.9	28
16	Thiomethyl Substituted Dicopper Complexes: Attempts to Reproduce the Asymmetry of the Active Site from Type 3 Copper Enzymes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1477-1482.	0.6	3
17	Unsymmetrical Binding Modes of the HOPNO Inhibitor of Tyrosinase: From Model Complexes to the Enzyme. Chemistry - A European Journal, 2013, 19, 3655-3664.	1.7	16
18	Refinement of arylthiosemicarbazone pharmacophore in inhibition of mushroom tyrosinase. European Journal of Medicinal Chemistry, 2011, 46, 4330-4335.	2.6	66

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19	The Versatile Binding Mode of Transition-State Analogue Inhibitors of Tyrosinase towards Dicopper(II) Model Complexes: Experimental and Theoretical Investigations. <i>Chemistry - A European Journal</i> , 2011, 17, 13482-13494.	1.7	12
20	Separation of Geometric Isomers of a Dicopper Complex by Using a ¹⁹ F-Labeled Ligand: Dynamics, Structures, and DFT Calculations. <i>Inorganic Chemistry</i> , 2010, 49, 7832-7840.	1.9	2
21	Structural and redox properties in thioether-based (N/S) copper(II/I) complexes: Experimental and theoretical investigations. <i>Inorganica Chimica Acta</i> , 2009, 362, 2321-2326.	1.2	8
22	¹⁹ F NMR: An underused efficient probe for paramagnetic metal centers in bioinorganic solution chemistry. <i>Coordination Chemistry Reviews</i> , 2009, 253, 963-976.	9.5	18
23	Binding of 2-Hydroxypyridine- <i>N</i> -oxide on Dicopper(II) Centers: Insights into Tyrosinase Inhibition Mechanism by Transition-State Analogs. <i>Inorganic Chemistry</i> , 2009, 48, 10874-10876.	1.9	27
24	Changes in magnetic properties from solid state to solution in a trinuclear linear copper(ii) complex. <i>New Journal of Chemistry</i> , 2007, 31, 512.	1.4	13
25	Structural, Kinetic, and Theoretical Studies on Models of the Zinc-Containing Phosphodiesterase Active Center: Medium-Dependent Reaction Mechanisms. <i>Chemistry - A European Journal</i> , 2007, 13, 9093-9106.	1.7	49
26	Chemical tools for mechanistic studies related to catechol oxidase activity. <i>Comptes Rendus Chimie</i> , 2007, 10, 271-283.	0.2	39
27	Synthetic models of the active site of catechol oxidase: mechanistic studies. <i>Chemical Society Reviews</i> , 2006, 35, 814.	18.7	465
28	Catecholase Activity of a Copper(II) Complex with a Macrocyclic Ligand: Unraveling Catalytic Mechanisms. <i>Chemistry - A European Journal</i> , 2006, 12, 6138-6150.	1.7	105
29	Sulfur ligation in copper enzymes and models. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1929-1936.	1.5	71
30	An Unprecedented Bridging Phenoxyl Radical in Dicopper(II) Complexes: Evidence for an S=3/2 Spin State. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 438-441.	7.2	41
31	Catecholase activity of a μ_4 -hydroxidocopper(II) macrocyclic complex: structures, intermediates and reaction mechanism. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 739-750.	1.1	56
32	Proton NMR Spectroscopy and Magnetic Properties of a Solution-Stable Dicopper(II) Complex Bearing a Single μ_4 -Hydroxo Bridge. <i>Inorganic Chemistry</i> , 2005, 44, 4372-4382.	1.9	53
33	Asymmetry in Bridged Binuclear Metalloenzymes: Lessons for the Chemist. <i>ChemInform</i> , 2004, 35, no.	0.1	1
34	Dinuclear CuII Complexes with a New Phenol-Based Ligand Bearing Pyridine and Thiophene Substituents: Synthesis, Characterization and Interaction with Catechol Substrates. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4036-4045.	1.0	44
35	A New Thioether-Based (N ₂ S ₂)Copper(II/I) Complex Exhibiting a High Redox Potential. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2452-2457.	1.0	19
36	Asymmetry in Bridged Binuclear Metalloenzymes: Lessons for the Chemist. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 4137-4146.	1.0	77

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37	Dicopper(II) Complexes of H-BPMP-Type Ligands: pH-Induced Changes of Redox, Spectroscopic (19F NMR) and Catalytic Properties. <i>Inorganic Chemistry</i> , 2002, 41, 479-491.	1.9	187
38	Substrate Binding in Catechol Oxidase Activity: A Biomimetic Approach. <i>Inorganic Chemistry</i> , 2002, 41, 3983-3989.	1.9	82
39	Regio-Directed Synthesis of a Zn(II)/Fe(III) Complex from an Unsymmetrical Ligand and Its Relevance to Purple Acid Phosphatases. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 3087-3090.	1.0	32
40	Heterodinuclear Cu(II)-Zn(II) complexes: 19F NMR as a versatile tool to control the synthesis. <i>Inorganica Chimica Acta</i> , 2002, 333, 144-147.	1.2	14
41	Dinuclear Zinc(II)-Iron(III) and Iron(II)-Iron(III) Complexes as Models for Purple Acid Phosphatases. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 1457-1464.	1.0	70
42	pH-Controlled Change of the Metal Coordination in a Dicopper(II) Complex of the Ligand H-BPMP: Crystal Structures, Magnetic Properties, and Catecholase Activity. <i>Inorganic Chemistry</i> , 2000, 39, 3526-3536.	1.9	235
43	A molecular redox switch via iron translocation in a bicompartamental ligand. <i>New Journal of Chemistry</i> , 1998, 22, 1399-1402.	1.4	35
44	Directed syntheses and structural studies of mononuclear copper(II) and heterodinuclear copper(II)-iron(III) complexes from the same unsymmetrical dinucleating ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 3543-3546.	1.1	17
45	19-Nor-10-azasteroids: A Novel Class of Inhibitors for Human Steroid 5 α -Reductases 1 and 2. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 1112-1129.	2.9	58
46	A Phenoxo-Bridged Diferric Complex with Two Different Coordination Numbers in Two Distinct Coordination Sites. <i>Inorganic Chemistry</i> , 1996, 35, 3706-3708.	1.9	34
47	A versatile key synthon for the syntheses of ligands potentially suited for the preparation of μ_2 -phenoxo dimetallic complexes with two non equivalent complexation sites. <i>Tetrahedron Letters</i> , 1994, 35, 7019-7022.	0.7	16
48	Sequential rearrangement-annulation of isoxazoline-5-spirocyclopropanes. Total Synthesis of (11 β)-19-Nor-10-Aza-Testosterone. <i>Tetrahedron Letters</i> , 1991, 32, 6395-6398.	0.7	11