Luigi Casella

List of Publications by Year
in descending order

138 papers	6,367 citations	66343 42 h-index	79698 73 g-index
141 all docs	141 docs citations	141 times ranked	6142 citing authors

#	Article	IF	Citations
1	Interactions of iron, dopamine and neuromelanin pathways in brain aging and Parkinson's disease. Progress in Neurobiology, 2017, 155, 96-119.	5.7	490
2	Tyrosinase Models. Synthesis, Structure, Catechol Oxidase Activity, and Phenol Monooxygenase Activity of a Dinuclear Copper Complex Derived from a Triamino Pentabenzimidazole Ligand. Inorganic Chemistry, 1998, 37, 553-562.	4.0	288
3	New melanic pigments in the human brain that accumulate in aging and block environmental toxic metals. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17567-17572.	7.1	213
4	Neuromelanin of the Human Substantia Nigra: An Update. Neurotoxicity Research, 2014, 25, 13-23.	2.7	191
5	Neuromelanin can protect against ironâ€mediated oxidative damage in system modeling iron overload of brain aging and Parkinsonâ€™s disease. Journal of Neurochemistry, 2008, 106, 1866-1875.	3.9	174
6	Neuromelanin detection by magnetic resonance imaging (MRI) and its promise as a biomarker for Parkinsonâ€™s disease. Npj Parkinson's Disease, 2018, 4, 11.	5.3	169
7	Chloroperoxidase and hydrogen peroxide: An efficient system for enzymatic enantioselective sulfoxidations.. Tetrahedron: Asymmetry, 1992, 3, 95-106.	1.8	165
8	Dopamine, Oxidative Stress and Proteinâ€“Quinone Modifications in Parkinson's and Other Neurodegenerative Diseases. Angewandte Chemie - International Edition, 2019, 58, 6512-6527.	13.8	160
9	Mechanistic, Structural, and Spectroscopic Studies on the Catecholase Activity of a Dinuclear Copper Complex by Dioxygen. Inorganic Chemistry, 1999, 38, 5359-5369.	4.0	142
10	Reversible Dioxygen Binding and Phenol Oxygenation in a Tyrosinase Model System. Chemistry - A European Journal, 2000, 6, 519-522.	3.3	132
11	Hydroxylation of Phenolic Compounds by a Peroxodicopper(II) Complex:â€‰ Further Insight into the Mechanism of Tyrosinase. Journal of the American Chemical Society, 2005, 127, 18031-18036.	13.7	113
12	Coordination modes of histidine. 2. Stereochemistry of the reaction between histidine derivatives and pyridoxal analogs conformational properties of zinc(II) complexes of histidine Schiff bases. Journal of the American Chemical Society, 1981, 103, 6338-6347.	13.7	112
13	O₂â€…Activation and Selective Phenolate orthoâ€…Hydroxylation by an Unsymmetric Dicopper Î¼â€Î·¹:Î·¹â€Peroxido Complex. Angewandte Chemie - International Edition, 2010, 49, 2406-2409.	13.8	104
14	Neuromelanin organelles are specialized autolysosomes that accumulate undegraded proteins and lipids in aging human brain and are likely involved in Parkinsonâ€™s disease. Npj Parkinson's Disease, 2018, 4, 17.	5.3	101
15	Functional Modeling of Tyrosinase. Mechanism of Phenolortho-Hydroxylation by Dinuclear Copper Complexes. Inorganic Chemistry, 1996, 35, 7516-7525.	4.0	98
16	Synthesis, Structure, and Reactivity of Model Complexes of Copper Nitrite Reductase. Inorganic Chemistry, 1996, 35, 1101-1113.	4.0	96
17	Kinetics and Thermodynamics of Halide and Nitrite Oxidation by Mammalian Heme Peroxidases. European Journal of Inorganic Chemistry, 2006, 2006, 3801-3811.	2.0	96
18	Synthesis and reactivity of a family of copper monooxygenase model systems. Journal of the American Chemical Society, 1988, 110, 4221-4227.	13.7	95

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19	Hemocyanin and tyrosinase models. Synthesis, azide binding, and electrochemistry of dinuclear copper(II) complexes with poly(benzimidazole) ligands modeling the met forms of the proteins. Inorganic Chemistry, 1993, 32, 2056-2067.	4.0	82
20	Enantioselective epoxidation of styrene derivatives by chloroperoxidase catalysis. Tetrahedron: Asymmetry, 1993, 4, 1325-1330.	1.8	81
21	Adsorption and Conformational Change of Myoglobin on Biomimetic Hydroxyapatite Nanocrystals Functionalized with Alendronate. Langmuir, 2008, 24, 4924-4930.	3.5	78
22	The Chloroperoxidase-Catalyzed Oxidation of Phenols. Mechanism, Selectivity, and Characterization of Enzyme-Substrate Complexes. Biochemistry, 1994, 33, 6377-6386.	2.5	76
23	Oxidation of Phenolic Compounds by Lactoperoxidase. Evidence for the Presence of a Low-Potential Compound II during Catalytic Turnoverâ€. Biochemistry, 1997, 36, 1918-1926.	2.5	76
24	Enzymatic properties of human hemalbumin. BBA - Proteins and Proteomics, 2001, 1547, 302-312.	2.1	76
25	Tyrosinaseâ€Like Reactivity in a Cu^{III}₂(Î¼â€O)₂ Species. Chemistry - A European Journal, 2008, 14, 3535-3538.	3.3	73
26	Tyrosinase-catalyzed Oxidation of Fluorophenols. Journal of Biological Chemistry, 2002, 277, 44606-44612.	3.4	71
27	Mechanistic insight into the catechol oxidase activity by a biomimetic dinuclear copper complex. Journal of Biological Inorganic Chemistry, 2004, 9, 903-913.	2.6	70
28	Biomimetic Oxidations by Dinuclear and Trinuclear Copper Complexes. Advances in Inorganic Chemistry, 2006, , 185-233.	1.0	65
29	Neuromelanins of Human Brain Have Soluble and Insoluble Components with Dolichols Attached to the Melanic Structure. PLoS ONE, 2012, 7, e48490.	2.5	65
30	Mechanism of enantioselective oxygenation of sulfides catalyzed by chloroperoxidase and horseradish peroxidase. Spectral studies and characterization of enzyme-substrate complexes. Biochemistry, 1992, 31, 9451-9459.	2.5	62
31	Coordination modes of histidine. 3. Stereochemistry of copper(II) complexes related to pyridoxal catalysis. Journal of the American Chemical Society, 1982, 104, 2386-2396.	13.7	61
32	Coordination modes of histidine. Journal of Inorganic Biochemistry, 1983, 18, 19-31.	3.5	61
33	Properties and Reactivity of Myoglobin Reconstituted with Chemically Modified Protohemin Complexesâ€. Biochemistry, 2000, 39, 9571-9582.	2.5	59
34	Copper(I)-Î±-Synuclein Interaction: Structural Description of Two Independent and Competing Metal Binding Sites. Inorganic Chemistry, 2013, 52, 1358-1367.	4.0	58
35	Mechanistic insight into the peroxidase catalyzed nitration of tyrosine derivatives by nitrite and hydrogen peroxide. FEBS Journal, 2004, 271, 895-906.	0.2	57
36	Superoxide Dismutase (SOD)-mimetic M40403 Is Protective in Cell and Fly Models of Paraquat Toxicity. Journal of Biological Chemistry, 2016, 291, 9257-9267.	3.4	56

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37	A Double Arene Hydroxylation Mediated by Dicopper(II)â^'Hydroperoxide Species. Journal of the American Chemical Society, 2003, 125, 4185-4198.	13.7	54
38	Reactivity and endogenous modification by nitrite and hydrogen peroxide: does human neuroglobin act only as a scavenger?. Biochemical Journal, 2007, 407, 89-99.	3.7	51
39	Heme Binding Induces Dimerization and Nitration of Truncated Î²â€Amyloid Peptide AÎ²16 Under Oxidative Stress. Angewandte Chemie - International Edition, 2013, 52, 8041-8044.	13.8	50
40	Synthetic approach to the type 1 active site of copper proteins. Copper(I), copper(II), and zinc(II) complexes with N2SS* ligand donor sets. Inorganic Chemistry, 1984, 23, 2781-2787.	4.0	49
41	Characterization and Peroxidase Activity of a Myoglobin Mutant Containing a Distal Arginine. ChemBioChem, 2002, 3, 226-233.	2.6	48
42	Models for biological trinuclear copper clusters. Characterization and enantioselective catalytic oxidation of catechols by the copper(ii) complexes of a chiral ligand derived from (S)-(â^')-1,1â€²-binaphthyl-2,2â€²-diamine. Dalton Transactions, 2004, , 2192-2201.	3.3	44
43	Coordination and redox properties of copper interaction with Î±-synuclein. Journal of Inorganic Biochemistry, 2016, 163, 292-300.	3.5	43
44	Electron Transfer Complex between Nitrous Oxide Reductase and Cytochrome c₅₅₂ from Pseudomonas nautica: Kinetic, Nuclear Magnetic Resonance, and Docking Studies. Biochemistry, 2008, 47, 10852-10862.	2.5	42
45	Synthesis, Structure Characterization, and Evaluation in Microglia Cultures of Neuromelanin Analogues Suitable for Modeling Parkinsonâ€™s Disease. ACS Chemical Neuroscience, 2017, 8, 501-512.	3.5	40
46	Covalently modified microperoxidases as heme-peptide models for peroxidases. Journal of Inorganic Biochemistry, 2000, 79, 31-40.	3.5	39
47	Peroxidase catalyzed nitration of tryptophan derivatives. FEBS Journal, 2004, 271, 2841-2852.	0.2	39
48	Reactivity of copperâ€“Î±-synuclein peptide complexes relevant to Parkinsonâ€™s disease. Metallomics, 2015, 7, 1091-1102.	2.4	39
49	Spectroscopic and binding studies of azide-copper(II) model complexes. Inorganic Chemistry, 1991, 30, 221-227.	4.0	38
50	Engineering peroxidase activity in myoglobin: the haem cavity structure and peroxide activation in the T67R/S92D mutant and its derivative reconstituted with protohaemin-l-histidine. Biochemical Journal, 2004, 377, 717-724.	3.7	38
51	Copper(I/II), Î±/Î²â€Synuclein and Amyloidâ€Î²: Menage Ã Trois?. ChemBioChem, 2015, 16, 2319-2328.	2.6	38
52	Axial Imidazole Distortion Effects on the Catalytic and Binding Properties of Chelated Deuterohemin Complexes. Inorganic Chemistry, 1996, 35, 439-444.	4.0	37
53	Easy Oxidation and Nitration of Human Myoglobin by Nitrite and Hydrogen Peroxide. Chemistry - A European Journal, 2006, 12, 749-757.	3.3	37
54	Investigation of Streptomyces antibioticus tyrosinase reactivity toward chlorophenols. Archives of Biochemistry and Biophysics, 2011, 505, 67-74.	3.0	37

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55	Catecholate Adducts of Binuclear Copper Complexes Modelling the Type 3 Copper Active Siteâ€" Spectroscopic Characterization and Relevance to the Tyrosinase Reaction. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 2258-2265.	1.2	35
56	Remote His50 Acts as a Coordination Switch in the High-Affinity N-Terminal Centered Copper(II) Site of Î±-Synuclein. Inorganic Chemistry, 2015, 54, 4744-4751.	4.0	35
57	Synthesis, characterization, and reactivity of copper(I) and copper(II) complexes of N,N'-bis(3-(2-thenylideneimino)propyl)piperazine (tipp) and N,N'-bis(3-(2-thenylamino)propyl)piperazine (tapp). Crystal structure of [Cu(tapp)][ClO4]2. Inorganic Chemistry, 1981, 20, 2438-2448.	4.0	33
58	Binding and Reactivity of Copper to R₁ and R₃ Fragments of tau Protein. Inorganic Chemistry, 2020, 59, 274-286.	4.0	33
59	Differences in the Binding of Copper(I) to Î±- and Î²-Synuclein. Inorganic Chemistry, 2015, 54, 265-272.	4.0	32
60	Enantio-differentiating catalytic oxidation by a biomimetic trinuclear copper complex containing l-histidine residues. Chemical Communications, 2003, , 2186.	4.1	31
61	Mechanistic Insight into the Activity of Tyrosinase from Variable-Temperature Studies in an Aqueous/Organic Solvent. Chemistry - A European Journal, 2006, 12, 2504-2514.	3.3	31
62	Metmyoglobin-Catalyzed Exogenous and Endogenous Tyrosine Nitration by Nitrite and Hydrogen Peroxide. Chemistry - A European Journal, 2004, 10, 2281-2290.	3.3	30
63	Tyrosinase-catecholic substrates in Vitro model: kinetic studies on the o-quinone/o-semiquinone radical formation. Journal of Inorganic Biochemistry, 1997, 68, 61-69.	3.5	29
64	Formation of reactive nitrogen species at biologic heme centers: a potential mechanism of nitric oxide-dependent toxicity.. Environmental Health Perspectives, 2002, 110, 709-711.	6.0	29
65	Reactive nitrogen species generated by heme proteins: Mechanism of formation and targets. Coordination Chemistry Reviews, 2006, 250, 1286-1293.	18.8	28
66	Modular syntheses of multidentate ligands with variable N-donors: applications to tri- and tetracopper(i) complexes. Dalton Transactions, 2007, , 3035.	3.3	28
67	Catalytic Sulfoxidation by Dinuclear Copper Complexes. Chemistry - A European Journal, 2009, 15, 12932-12936.	3.3	28
68	Catalytic peroxidation of nitrogen monoxide and peroxynitrite by globins. IUBMB Life, 2009, 61, 62-73.	3.4	28
69	Functional mimics of copper enzymes. Synthesis and stereochemical properties of the copper(II) complexes of a trinucleating ligand derived from l-histidine. Tetrahedron: Asymmetry, 1999, 10, 281-295.	1.8	27
70	Redox reactivity of the heme Fe3+/Fe2+ couple in native myoglobins and mutants with peroxidase-like activity. Journal of Biological Inorganic Chemistry, 2007, 12, 951-958.	2.6	27
71	Myoglobin Modification by Enzymeâ€Generated Dopamine Reactive Species. Chemistry - A European Journal, 2008, 14, 8661-8673.	3.3	27
72	Biomimetic Modelling of Copper Enzymes: Synthesis, Characterization, EPR Analysis and Enantioselective Catalytic Oxidations by a New Chiral Trinuclear Copper(II) Complex. European Journal of Inorganic Chemistry, 2009, 2009, 554-566.	2.0	27

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73	Synthesis and structural characterization of soluble neuromelanin analogs provides important clues to its biosynthesis. Journal of Biological Inorganic Chemistry, 2013, 18, 81-93.	2.6	27
74	Neuromelanins in brain aging and Parkinson's disease: synthesis, structure, neuroinflammatory, and neurodegenerative role. IUBMB Life, 2023, 75, 55-65.	3.4	26
75	Synthesis, characterization and stereoselective catalytic oxidations of chelated deuterohaemin-glycyl-L-histidine complexes. Inorganica Chimica Acta, 1998, 273, 339-345.	2.4	25
76	Synthesis and characterization of new chiral octadentate nitrogen ligands and related copper(II) complexes as catalysts for stereoselective oxidation of catechols. Journal of Molecular Catalysis A, 2005, 235, 271-284.	4.8	24
77	Trapping tyrosinase key active intermediate under turnover. Dalton Transactions, 2009, , 6468.	3.3	24
78	A new chiral, poly-imidazole N8-ligand and the related di- and tri-copper(ii) complexes: synthesis, theoretical modelling, spectroscopic properties, and biomimetic stereoselective oxidations. Dalton Transactions, 2011, 40, 5436.	3.3	24
79	Coordination modes of histidine. 5. Copper(II) complexes of L-N.tau.-methylhistidine and L-N.alpha.,N.alpha.-dimethylhistidine in aqueous solution. Inorganic Chemistry, 1983, 22, 242-249.	4.0	23
80	Neuroglobin Modification by Reactive Quinone Species. Chemical Research in Toxicology, 2013, 26, 1821-1831.	3.3	23
81	Copper(I) Forms a Redox-Stable 1:2 Complex with Î±-Synuclein N-Terminal Peptide in a Membrane-Like Environment. Inorganic Chemistry, 2016, 55, 6100-6106.	4.0	23
82	Copper monooxygenase models. Aromatic hydroxylation by a dinuclear copper(I) complex containing methionine sulfur ligands. Journal of the Chemical Society Dalton Transactions, 1997, , 4789-4794.	1.1	22
83	Inhibition of Ascorbate Oxidase by Phenolic Compounds. Enzymatic and Spectroscopic Studiesâ€. Biochemistry, 1997, 36, 4852-4859.	2.5	22
84	Probing the location of the substrate binding site of ascorbate oxidase near type 1 copper: an investigation through spectroscopic, inhibition and docking studies. International Journal of Biochemistry and Cell Biology, 2004, 36, 881-892.	2.8	21
85	Cross-talk between endogenous H 2 S and NO accounts for vascular protective activity of the metal-nonoate Zn(PipNONO)Cl. Biochemical Pharmacology, 2018, 152, 143-152.	4.4	21
86	Catalytic activity, stability, unfolding, and degradation pathways of engineered and reconstituted myoglobins. Journal of Biological Inorganic Chemistry, 2005, 10, 11-24.	2.6	20
87	Endogenous Arene Hydroxylation Promoted by Copper(I) Cluster Helicates. Chemistry - A European Journal, 2010, 16, 14175-14180.	3.3	20
88	Protective Effects of Novel Metal-Nonoates on the Cellular Components of the Vascular System. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 500-509.	2.5	20
89	Interaction of Neuromelanin with Xenobiotics and Consequences for Neurodegeneration; Promising Experimental Models. Antioxidants, 2021, 10, 824.	5.1	20
90	Structure and Reactivity Studies on Dinuclear Copper Complexes of the Ligand Î±,Î±â€²-Bis{bis[1-(1â€²-methyl-2â€²-benzimidazolyl)methyl]amino}-m-xylene. European Journal of Inorganic Chemistry, 2003, 2003, 1197-1205.	2.0	19

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91	Tyrosinase Catalyzes Asymmetric Sulfoxidation. Biochemistry, 2008, 47, 3493-3498.	2.5	19
92	Engineering and Prostheticâ€Group Modification of Myoglobin: Peroxidase Activity, Chemical Stability and Unfolding Properties. European Journal of Inorganic Chemistry, 2004, 2004, 2203-2213.	2.0	18
93	Modified Microperoxidases Exhibit Different Reactivity Towards Phenolic Substrates. ChemBioChem, 2004, 5, 1692-1699.	2.6	18
94	Heme-peptide complexes as peroxidase models. Comptes Rendus Chimie, 2007, 10, 380-391.	0.5	18
95	Copperâ€Aβ2 Peptides and Oxidation of Catecholic Substrates: Reactivity and Endogenous Peptide Damage. Chemistry - A European Journal, 2016, 22, 16964-16973.	3.3	18
96	Anti-hypertensive property of a nickel-piperazine/NO donor in spontaneously hypertensive rats. Pharmacological Research, 2016, 107, 352-359.	7.1	17
97	Metallotexaphyrins as MRI-Active Catalytic Antioxidants for Neurodegenerative Disease: A Study on Alzheimerâ€™s Disease. CheM, 2020, 6, 703-724.	11.7	17
98	The metal-nonoate Ni(SalPipNONO) inhibits in vitro tumor growth, invasiveness and angiogenesis. Oncotarget, 2018, 9, 13353-13365.	1.8	17
99	A new dinuclear heme-copper complex derived from functionalized protoporphyrin IX. Dalton Transactions, 2007, , 2197.	3.3	16
100	Nitric Oxide Releasing Metalâ€“Diazeniumdiolate Complexes Strongly Induce Vasorelaxation and Endothelial Cell Proliferation. ChemMedChem, 2008, 3, 1039-1047.	3.2	15
101	Prion Peptides Are Extremely Sensitive to Copper Induced Oxidative Stress. Inorganic Chemistry, 2017, 56, 11317-11325.	4.0	15
102	Copperâ€“β2-amyloid peptides exhibit neither monooxygenase nor superoxide dismutase activities. Chemical Communications, 2013, 49, 4027.	4.1	14
103	Membrane Binding Strongly Affecting the Dopamine Reactivity Induced by Copper Prion and Copper/Amyloid-β2 (Aβ2) Peptides. A Ternary Copper/Aβ2/Prion Peptide Complex Stabilized and Solubilized in Sodium Dodecyl Sulfate Micelles. Inorganic Chemistry, 2020, 59, 900-912.	4.0	14
104	Ligand Binding, Conformational and Spectroscopic Properties, and Biomimetic Monooxygenase Activity by the Trinuclear Copperâ€“PHI Complex Derived from <scp>L</scp>â€Histidine. European Journal of Inorganic Chemistry, 2008, 2008, 2081-2089.	2.0	13
105	Supramolecular Helical Architectures Dictated by Folded and Extended Conformations of the Amino Acid in Ternary CuII/Diamine/Racemic Amino Acid Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 1654-1660.	2.0	12
106	Building biomimetic model compounds of dinuclear and trinuclear copper clusters for stereoselective oxidations. Inorganica Chimica Acta, 2018, 481, 47-55.	2.4	12
107	Inhibitor binding studies on ascorbate oxidase. Coordination Chemistry Reviews, 1999, 185-186, 619-628.	18.8	11
108	New aspects of the reactivity of tyrosinase. Micron, 2004, 35, 141-142.	2.2	11

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109	Synthesis, Characterization, and Stereoselective Oxidations of the Dinuclear Copper(II) Complex Derived from a Chiral Diamino-m-xylenetetra(benzimidazole) Ligand. European Journal of Inorganic Chemistry, 2015, 2015, 3493-3500.	2.0	11
110	A dinuclear biomimetic Cu complex derived from <scp>l</scp>-histidine: synthesis and stereoselective oxidations. Dalton Transactions, 2017, 46, 4018-4029.	3.3	11
111	Synthesis and Conformational Studies of a Chiral Octadentate Ligand Derived from (R)-1,1â€²-Binaphthyl-2,2â€²-diamine and its Dinuclear Zinc(II) and Nickel(II) Complexes. European Journal of Inorganic Chemistry, 2003, 2003, 3934-3944.	2.0	10
112	Enzymatic and spectroscopic studies on the activation or inhibition effects by substituted phenolic compounds in the oxidation of aryldiamines and catechols catalyzed by Rhus vernicifera laccase. Journal of Inorganic Biochemistry, 2006, 100, 2127-2139.	3.5	10
113	A Stereoselective Tyrosinase Model Compound Derived from an m-Xylyl-<scp>l</scp>-histidine Ligand. Inorganic Chemistry, 2019, 58, 7335-7344.	4.0	10
114	Spectroscopic and binding studies of azide to type-2-copper-depleted ascorbate oxidase from zucchini. Biology of Metals, 1991, 4, 81-89.	1.1	9
115	The Oxidation of Hemocyanin. Kinetics, Reaction Mechanism and Characterization of Met-Hemocyanin Product. FEBS Journal, 1995, 232, 98-105.	0.2	9
116	Selectivity in the peroxidase catalyzed oxidation of phenolic sulfides. Journal of Molecular Catalysis A, 2003, 204-205, 391-400.	4.8	9
117	Protein selfâ€modification by hemeâ€generated reactive species. IUBMB Life, 2008, 60, 41-56.	3.4	9
118	Selective Copper-Mediated Halogenation of Aromatic Rings Under Mild Conditions. European Journal of Inorganic Chemistry, 2011, 2011, 4360-4368.	2.0	9
119	Spectral study of ascorbate oxidase. Inorganica Chimica Acta, 1984, 91, 189-194.	2.4	8
120	Nitrite increases the enantioselectivity of sulfoxidation catalyzed by myoglobin derivatives in the presence of hydrogen peroxide. Tetrahedron, 2004, 60, 8153-8160.	1.9	8
121	Neuronal Proteins as Targets of 3-Hydroxykynurenine: Implications in Neurodegenerative Diseases. ACS Chemical Neuroscience, 2019, 10, 3731-3739.	3.5	8
122	Potential Applications of Peroxidases in the Fine Chemical Industries. , 2010, , 111-153.		8
123	Dopamin, oxidativer Stress und Proteinâ€Chinonmodifikationen bei Parkinson und anderen neurodegenerativen Erkrankungen. Angewandte Chemie, 2019, 131, 6580-6596.	2.0	7
124	Interaction between Hemin and Prion Peptides: Binding, Oxidative Reactivity and Aggregation. International Journal of Molecular Sciences, 2020, 21, 7553.	4.1	7
125	Synthesis, characterization and stereochemistry of condensation products between (1R)-3-hydroxymethylenebornane-2-thione and diamines and their metal complexes. Journal of the Chemical Society Dalton Transactions, 1991, , 2527.	1.1	6
126	METALLOENZYMES AND CHEMICAL BIOMIMETICS. European Journal of Inorganic Chemistry, 2006, 2006, 3545-3546.	2.0	6

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127	A Cu-bis(imidazole) Substrate Intermediate Is the Catalytically Competent Center for Catechol Oxidase Activity of Copper Amyloid-Î². Inorganic Chemistry, 2021, 60, 606-613.	4.0	6
128	Neuronal effects of a nickel-piperazine/NO donor complex in rodents. Pharmacological Research, 2015, 99, 162-173.	7.1	5
129	Condition-Dependent Coordination and Peroxidase Activity of Hemin-AÎ² Complexes. Molecules, 2020, 25, 5044.	3.8	5
130	Coordination modes of histidine. 8. Copper(II) complexes of 2-(trifluoromethyl)-L-histidine in aqueous solution. Inorganic Chemistry, 1985, 24, 84-88.	4.0	4
131	Tyrosinase-Generated Quinones Induce Covalent Modification, Unfolding, and Aggregation of Human Holo-Myoglobin. Biomacromolecules, 2007, 8, 3214-3223.	5.4	3
132	Oxidase Reactivity of CuII Bound to N-Truncated AÎ² Peptides Promoted by Dopamine. International Journal of Molecular Sciences, 2021, 22, 5190.	4.1	3
133	Nitrative Stress Causes Nitration, Oxidation, and Subunit Cross Linking in Human Hemoglobin. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1384-1394.	1.2	2
134	Waterâ€Soluble Melaninâ€“Proteinâ€“Fe/Cu Conjugates Derived from Norepinephrine as Reliable Models for Neuromelanin of Human BrainLocus Coeruleus. Angewandte Chemie - International Edition, 2022, 61, .	13.8	2
135	Aminomethylene-Phosphonate Analogue as a Cu(II) Chelator: Characterization and Application as an Inhibitor of Oxidation Induced by the Cu(II)â€“Prion Peptide Complex. Inorganic Chemistry, 2019, 58, 8995-9003.	4.0	1
136	Waterâ€Soluble Melaninâ€“Proteinâ€“Fe/Cu Conjugates Derived from Norepinephrine as Reliable Models for Neuromelanin of Human Brain Locus Coeruleus. Angewandte Chemie, 0, , .	2.0	1
137	Engineering and Prosthetic-Group Modification of Myoglobin: Peroxidase Activity, Chemical Stability and Unfolding Properties.. ChemInform, 2004, 35, no.	0.0	0
138	Interactions of metal ions with Î± synuclein and amyloid Î² peptides. , 2014, , .		0