Annette Rompel

List of Publications by Year
in descending order

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155 papers	7,038 citations	66315 42 h-index	69214 77 g-index
163 all docs	163 docs citations	163 times ranked	5942 citing authors

#	Article	IF	Citations
1	Polyphenol oxidase and enzymatic browning in apricot (Prunus armeniaca L.): Effect on phenolic composition and deduction of main substrates. Current Research in Food Science, 2022, 5, 196-206.	2.7	23
2	Polyoxidovanadates' interactions with proteins: An overview. Coordination Chemistry Reviews, 2022, 454, 214344.	9.5	78
3	Crystal structure of hexasodium tetraserinolium paratungstate B decahydrate, [Na₆{(CH₂OH)₂CHNH₃}₄][W₁₂O₄₀](OH)₂·10H₂O. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 207-210.	0.5	1
4	Lanthanides Singing the Blues: Their Fascinating Role in the Assembly of Gigantic Molybdenum Blue Wheels. ACS Nanoscience Au, 2022, 2, 179-197.	2.0	6
5	Synthesis and characterization of the `Japanese rice-ball'-shaped Molybdenum Blue Na₄[Mo₂O₂(OH)₄(C₆H₄NO₂)₂]₂[Mo₁₅₄O₄₆₂H₁₄]·300H₂O. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 299-304.	0.5	1
6	Quantifying up to 90 polyphenols simultaneously in human bio-fluids by LC-MS/MS. Analytica Chimica Acta, 2022, 1216, 339977.	2.6	13
7	Immobilization of a [Co^{III}Co^{II}(H₂O)W₁₁O₃₉]^{7â€“} Polyoxoanion for the Photocatalytic Oxygen Evolution Reaction. ACS Materials Au, 2022, 2, 505-515.	2.6	2
8	The Preyssler-Type Polyoxotungstate Exhibits Anti-Quorum Sensing, Antibiofilm, and Antiviral Activities. Biology, 2022, 11, 994.	1.3	10
9	Aluminum-Substituted Keggin Germanotungstate [HAl(H₂O)GeW₁₁O₃₉]^{4â€“}: Synthesis, Characterization, and Antibacterial Activity. Inorganic Chemistry, 2021, 60, 28-31.	1.9	18
10	Similar but Still Different: Which Amino Acid Residues Are Responsible for Varying Activities in Typeâ€III Copper Enzymes?. ChemBioChem, 2021, 22, 1161-1175.	1.3	24
11	Interweaving Disciplines to Advance Chemistry: Applying Polyoxometalates in Biology. Inorganic Chemistry, 2021, 60, 6109-6114.	1.9	31
12	Polyphenol Exposure, Metabolism, and Analysis: A Global Exposomics Perspective. Annual Review of Food Science and Technology, 2021, 12, 461-484.	5.1	17
13	Phosphateâ€Templated Encapsulation of a {Co^{II}₄O₄} Cubane in Germanotungstates as Carbonâ€Free Homogeneous Water Oxidation Photocatalysts. ChemSusChem, 2021, 14, 2529-2536.	3.6	10
14	Defect {(W^{VI}O₇)W^{VI}₄} and Full {(W^{VI}O₇)W^{VI}₅} Pentagonal Units as Synthons for the Generation of Nanosized Main Group V Heteropolyoxotungstates. Inorganic Chemistry, 2021, 60, 8917-8923.	1.9	5
15	The Smallest Polyoxotungstate Retained by TRIS-Stabilization. Inorganic Chemistry, 2021, 60, 12671-12675.	1.9	3
16	Synthesis and characterization of the Andersonâ€“Evans tungstoantimonate [Na₅(H₂O)₁₈{(HOCH₂)₂CHNH₃}₂][SbW₆O₂₄]·4H₂O. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 420-425.	0.5	5
17	Expression, Purification, and Characterization of a Well-Adapted Tyrosinase from Peatlands Identified by Partial Community Analysis. Environmental Science & Technology, 2021, 55, 11445-11454.	4.6	10
18	Speciation of Transition-Metal-Substituted Keggin-Type Silicotungstates Affected by the Co-crystallization Conditions with Proteinase K. Inorganic Chemistry, 2021, 60, 15096-15100.	1.9	4

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19	Wellsâ€“Dawson phosphotungstates as mushroom tyrosinase inhibitors: a speciation study. Scientific Reports, 2021, 11, 19354.	1.6	4
20	Polyoxovanadates with emerging biomedical activities. Coordination Chemistry Reviews, 2021, 447, 214143.	9.5	115
21	Polyoxometalates in solution: speciation under spotlight. Chemical Society Reviews, 2020, 49, 7568-7601.	18.7	204
22	Die Erzeugung von TyrosinaseaktivitÃt in einer Catecholoxidase erlaubt die Identifizierung der fÃ¼r die Câ€Hâ€Aktivierung in Typâ€IIIâ€Kupferenzymen verantwortlichen AminosÃurereste. Angewandte Chemie, 2020, 132, 21126-21131.	1.6	2
23	Identification of Amino Acid Residues Responsible for Câ^'H Activation in Typeâ€III Copper Enzymes by Generating Tyrosinase Activity in a Catechol Oxidase. Angewandte Chemie - International Edition, 2020, 59, 20940-20945.	7.2	19
24	Synthesis, Characterization, and Phosphoesterase Activity of a Series of 4f- and 4d-Sandwich-Type Germanotungstates [(n-C₄H₉)₄N]_l/m</sub>H₂[(M(H₂O)₃)₂(B-α-GeW₉O₃₄)₂] (M = Ce^{III}, Nd^{III}, Gd^{III}, Er^{III}, l = 7;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 527 T		
25	Toward Artificial Musselâ€Glue Proteins: Differentiating Sequence Modules for Adhesion and Switchable Cohesion. Angewandte Chemie, 2020, 132, 18653-18657.	1.6	6
26	Identification of the amino acid position controlling the different enzymatic activities in walnut tyrosinase isoenzymes (jrPPO1 and jrPPO2). Scientific Reports, 2020, 10, 10813.	1.6	11
27	Polyphenol oxidases exhibit promiscuous proteolytic activity. Communications Chemistry, 2020, 3, .	2.0	25
28	Toward Artificial Musselâ€Glue Proteins: Differentiating Sequence Modules for Adhesion and Switchable Cohesion. Angewandte Chemie - International Edition, 2020, 59, 18495-18499.	7.2	29
29	Conversion of walnut tyrosinase into a catechol oxidase by site directed mutagenesis. Scientific Reports, 2020, 10, 1659.	1.6	22
30	Incorporation of Cr^{III} into a Keggin Polyoxometalate as a Chemical Strategy to Stabilize a Labile {Cr^{III}O₄} Tetrahedral Conformation and Promote Unattended Single-Ion Magnet Properties. Journal of the American Chemical Society, 2020, 142, 3336-3339.	6.6	32
31	Binding of a Fatty Acid-Functionalized Anderson-Type Polyoxometalate to Human Serum Albumin. Inorganic Chemistry, 2020, 59, 5243-5246.	1.9	18
32	The Aquaporin-3-Inhibiting Potential of Polyoxotungstates. International Journal of Molecular Sciences, 2020, 21, 2467.	1.8	35
33	Cation-Directed Synthetic Strategy Using 4f Tungstoantimonates as Nonlacunary Precursors for the Generation of 3dâ€“4f Clusters. Inorganic Chemistry, 2020, 59, 8461-8467.	1.9	13
34	Im Kampf gegen Krebs: Polyoxometallate als nÃchste Generation metallhaltiger Medikamente. Angewandte Chemie, 2019, 131, 3008-3029.	1.6	48
35	Polyoxometalates as Potential Nextâ€Generation Metallodrugs in the Combat Against Cancer. Angewandte Chemie - International Edition, 2019, 58, 2980-2999.	7.2	403
36	Photoheterotrophic growth of unicellular cyanobacterium Synechocystis sp. PCC 6803 gtrâ^' dependent on fructose. Monatshefte FÃ¼r Chemie, 2019, 150, 1863-1868.	0.9	2

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37	Transition metal-substituted Keggin polyoxotungstates enabling covalent attachment to proteinase K upon co-crystallization. Chemical Communications, 2019, 55, 11519-11522.	2.2	12
38	Inhibition of apricot polyphenol oxidase by combinations of plant proteases and ascorbic acid. Food Chemistry: X, 2019, 4, 100053.	1.8	23
39	Synthesis, crystal structure and characterization of two new Cr(III)-substituted polyoxotungstates: [Cr((OCH2)3CCH2OH)2W6O18]3â^' and [H3Cr2W10O38(H2O)2]7â^'. Polyhedron, 2019, 169, 202-208.	1.0	1
40	Synthesis, characterization, and POM-protein interactions of a Fe-substituted Krebs-type Sandwich-tungstoantimonate. Monatshefte FÃ¼r Chemie, 2019, 150, 871-875.	0.9	4
41	Inhibition of Na+/K+- and Ca2+-ATPase activities by phosphotetradecavanadate. Journal of Inorganic Biochemistry, 2019, 197, 110700.	1.5	34
42	Eine peptidvermittelte Selbstspaltungsreaktion initiiert die Tyrosinaseaktivierung. Angewandte Chemie, 2019, 131, 7553-7557.	1.6	4
43	A Peptideâ€Induced Selfâ€Cleavage Reaction Initiates the Activation of Tyrosinase. Angewandte Chemie - International Edition, 2019, 58, 7475-7479.	7.2	29
44	Keggin-type polyoxotungstates as mushroom tyrosinase inhibitors - A speciation study. Scientific Reports, 2019, 9, 5183.	1.6	18
45	Biochemical and structural characterization of tomato polyphenol oxidases provide novel insights into their substrate specificity. Scientific Reports, 2019, 9, 4022.	1.6	40
46	Tuning the interactions of decavanadate with thaumatin, lysozyme, proteinase K and human serum proteins by its coordination to a pentaaquacobalt(<scp>ii</scp>) complex cation. New Journal of Chemistry, 2019, 43, 17863-17871.	1.4	13
47	Transport of organic substances through the cytoplasmic membrane of cyanobacteria. Phytochemistry, 2019, 157, 206-218.	1.4	21
48	Successful amphiphiles as the key to crystallization of membrane proteins: Bridging theory and practice. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 437-455.	1.1	23
49	Direct Single- and Double-Side Triol-Functionalization of the Mixed Type Anderson Polyoxotungstate [Cr(OH)₃W₆O₂₁]^{6â€“}. Inorganic Chemistry, 2019, 58, 106-113.	1.9	20
50	Polyoxometalates as Potential Next-Generation Metallodrugs in the Combat Against Cancer. , 2019, 58, 2980.		1
51	Polyoxometalates as Potential Next-Generation Metallodrugs in the Combat Against Cancer. , 2019, 58, 2980.		1
52	A Peptide-Induced Self-Cleavage Reaction Initiates the Activation of Tyrosinase. , 2019, 58, 7475.		2
53	Regioselective synthesis and characterization of monovanadium-substituted Î²-octamolybdate [VMo₇O₂₆]^{5â^'}. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 872-876.	0.2	3
54	Tyrosinases: Enzymes, Models and Related Applications. Series on Chemistry, Energy and the Environment, 2019, , 155-183.	0.3	4

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55	Investigations on the formation of dihydrochalcones in apple (Malus sp.) leaves. Acta Horticulturae, 2019, , 415-420.	0.1	2
56	Synthesis, structures and applications of electron-rich polyoxometalates. Nature Reviews Chemistry, 2018, 2, .	13.8	392
57	The antibacterial activity of polyoxometalates: structures, antibiotic effects and future perspectives. Chemical Communications, 2018, 54, 1153-1169.	2.2	294
58	The P-type ATPase inhibiting potential of polyoxotungstates. Metallomics, 2018, 10, 287-295.	1.0	34
59	What causes the different functionality in type-III-copper enzymes? A state of the art perspective. Inorganica Chimica Acta, 2018, 481, 25-31.	1.2	53
60	Synthesis of the first Zn6-hexagon sandwich-tungstoantimonate via rearrangement of a non-lacunary Krebs-type polyoxotungstate. Dalton Transactions, 2018, 47, 15651-15655.	1.6	8
61	Iron(II) and copper(II) paratungstates B: a single-crystal X-ray diffraction study. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 1252-1259.	0.2	5
62	Polymerizing Like Mussels Do: Toward Synthetic Mussel Foot Proteins and Resistant Glues. Angewandte Chemie - International Edition, 2018, 57, 15728-15732.	7.2	42
63	Production, characterization and adsorption studies of bamboo-based biochar/montmorillonite composite for nitrate removal. Waste Management, 2018, 79, 385-394.	3.7	126
64	Polyoxometalates: more than a phasing tool in protein crystallography. ChemTexts, 2018, 4, 10.	1.0	36
65	Polymerizing Like Mussels Do: Toward Synthetic Mussel Foot Proteins and Resistant Glues. Angewandte Chemie, 2018, 130, 15954-15958.	1.6	13
66	Antibacterial Activity of Polyoxometalates Against Moraxella catarrhalis. Frontiers in Chemistry, 2018, 6, 336.	1.8	37
67	The crystallization additive hexatungstotellurate promotes the crystallization of the HSP70 nucleotide binding domain into two different crystal forms. PLoS ONE, 2018, 13, e0199639.	1.1	18
68	Recent progress in synthesis and characterization of metal chalcone complexes and their potential as bioactive agents. Coordination Chemistry Reviews, 2018, 374, 497-524.	9.5	38
69	Total Synthesis, Stereochemical Assignment, and Divergent Enantioselective Enzymatic Recognition of Larreatricin. Chemistry - A European Journal, 2018, 24, 15756-15760.	1.7	16
70	Synthesis and characterization of hybrid Anderson hexamolybdoaluminates(III) functionalized with indometacin or cinnamic acid. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 1378-1383.	0.2	3
71	Electronic State of Sodium trans-[Tetrachloridobis(1H-indazole)ruthenate(III)] (NKP-1339) in Tumor, Liver and Kidney Tissue of a SW480-bearing Mouse. Scientific Reports, 2017, 7, 40966.	1.6	25
72	Ten Good Reasons for the Use of the Tellurium-Centered Andersonâ€“Evans Polyoxotungstate in Protein Crystallography. Accounts of Chemical Research, 2017, 50, 1441-1448.	7.6	93

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73	Three recombinantly expressed apple tyrosinases suggest the amino acids responsible for mono- versus diphenolase activity in plant polyphenol oxidases. Scientific Reports, 2017, 7, 8860.	1.6	51
74	Purification and Characterization of Latent Polyphenol Oxidase from Apricot (Prunus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (a	2.4	70
75	Heterologous expression and characterization of functional mushroom tyrosinase (AbPPO4). Scientific Reports, 2017, 7, 1810.	1.6	85
76	The potential of hexatungstotellurate(VI) to induce a significant entropic gain during protein crystallization. IUCrJ, 2017, 4, 734-740.	1.0	30
77	In crystalloactivity tests with latent apple tyrosinase and two mutants reveal the importance of the mutated sites for polyphenol oxidase activity. Acta Crystallographica Section F, Structural Biology Communications, 2017, 73, 491-499.	0.4	13
78	Photoreduction of Terrigenous Feâ€Humic Substances Leads to Bioavailable Iron in Oceans. Angewandte Chemie - International Edition, 2016, 55, 6417-6422.	7.2	24
79	X-ray Structure Analysis of Indazolium trans-[Tetrachlorobis(1H-indazole)ruthenate(III)] (KP1019) Bound to Human Serum Albumin Reveals Two Ruthenium Binding Sites and Provides Insights into the Drug Binding Mechanism. Journal of Medicinal Chemistry, 2016, 59, 5894-5903.	2.9	113
80	In situ formation of the first proteinogenically functionalized [TeW₆O₂₄O₂(Glu)]^{7â^'} structure reveals unprecedented chemical and geometrical features of the Anderson-type cluster. Chemical Communications, 2016, 52, 12286-12289.	2.2	52
81	Synthesis, structure, and antioxidant activity of methoxy- and hydroxyl-substituted 2′-aminochalcones. Monatshefte FÃ¼r Chemie, 2016, 147, 1747-1757.	0.9	20
82	Synthesis, characterization, and antioxidant activity of Zn2+ and Cu2+ coordinated polyhydroxychalcone complexes. Monatshefte FÃ¼r Chemie, 2016, 147, 1871-1881.	0.9	25
83	Synthesis and Characterization of the First Nickel(II)â€Centered Singleâ€Side Trisâ€Functionalized Andersonâ€Type Polyoxomolybdate. European Journal of Inorganic Chemistry, 2016, 2016, 5507-5511.	1.0	24
84	[Ni(OH)3W6O18(OCH2)3CCH2OH]4â^': the first tris-functionalized Anderson-type heteropolytungstate. Chemical Communications, 2016, 52, 9263-9266.	2.2	34
85	Photoreduction of Terrigenous Feâ€Humic Substances Leads to Bioavailable Iron in Oceans. Angewandte Chemie, 2016, 128, 6527-6532.	1.6	10
86	Aurone synthase is a catechol oxidase with hydroxylase activity and provides insights into the mechanism of plant polyphenol oxidases. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1806-15.	3.3	112
87	The Andersonâ€“Evans polyoxometalate: From inorganic building blocks via hybrid organicâ€“inorganic structures to tomorrows â€œBio-POMâ€• Coordination Chemistry Reviews, 2016, 307, 42-64.	9.5	259
88	The Synthesis and Characterization of Aromatic Hybrid Andersonâ€“Evans POMs and their Serum Albumin Interactions: The Shift from Polar to Hydrophobic Interactions. Chemistry - A European Journal, 2015, 21, 17800-17807.	1.7	26
89	Heteropentanuclear Oxalatoâ€Bridged ndâ€“4f (n=4, 5) Metal Complexes with NO Ligand: Synthesis, Crystal Structures, Aqueous Stability and Antiproliferative Activity. Chemistry - A European Journal, 2015, 21, 13703-13713.	1.7	13
90	The Structure of a Plant Tyrosinase from Walnut Leaves Reveals the Importance of â€œSubstrateâ€Guiding Residuesâ€•for Enzymatic Specificity. Angewandte Chemie - International Edition, 2015, 54, 14677-14680.	7.2	96

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91	Fungal Tyrosinases: Why Mushrooms Turn Brown. , 2015, , .		7
92	Siteâ€directed mutagenesis around the CuA site of a polyphenol oxidase from Coreopsis grandiflora (cgAUS1). FEBS Letters, 2015, 589, 789-797.	1.3	20
93	Trisâ€Functionalized Hybrid Anderson Polyoxometalates: Synthesis, Characterization, Hydrolytic Stability and Inversion of Protein Surface Charge. Chemistry - A European Journal, 2015, 21, 4762-4771.	1.7	51
94	Crystallization and preliminary crystallographic analysis of latent, active and recombinantly expressed aurone synthase, a polyphenol oxidase, fromCoreopsis grandiflora. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 746-751.	0.4	26
95	Latent and active aurone synthase from petals of C. grandiflora: a polyphenol oxidase with unique characteristics. Planta, 2015, 242, 519-537.	1.6	62
96	The use of polyoxometalates in protein crystallography â€“ An attempt to widen a well-known bottleneck. Coordination Chemistry Reviews, 2015, 299, 22-38.	9.5	210
97	Complexes of N-hydroxyethyl-N-benzimidazolylmethylethylenediaminediacetic acid with group 12 metals and vanadiumâ€”Synthesis, structure and bioactivity of the vanadium complex. Journal of Inorganic Biochemistry, 2015, 147, 147-152.	1.5	15
98	Hen Eggâ€White Lysozyme Crystallisation: Protein Stacking and Structure Stability Enhanced by a Tellurium(VI)â€Centred Polyoxotungstate. ChemBioChem, 2015, 16, 233-241.	1.3	72
99	Dihydroflavonol 4-Reductase Genes Encode Enzymes with Contrasting Substrate Specificity and Show Divergent Gene Expression Profiles in Fragaria Species. PLoS ONE, 2014, 9, e112707.	1.1	43
100	Crystallization and preliminary X-ray crystallographic analysis of latent isoform PPO4 mushroom (Agaricus bisporus)tyrosinase. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 263-266.	0.4	57
101	Cloning and functional expression in E. coli of a polyphenol oxidase transcript from Coreopsis grandiflora involved in aurone formation. FEBS Letters, 2014, 588, 3417-3426.	1.3	54
102	Type-3 Copper Proteins. Advances in Protein Chemistry and Structural Biology, 2014, 97, 1-35.	1.0	45
103	Crystallization and preliminary X-ray crystallographic analysis of polyphenol oxidase fromJuglans regia(jrPPO1). Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 832-834.	0.4	18
104	High level protein-purification allows the unambiguous polypeptide determination of latent isoform PPO4 of mushroom tyrosinase. Phytochemistry, 2014, 99, 14-25.	1.4	43
105	Purification and characterization of tyrosinase from walnut leaves (Juglans regia). Phytochemistry, 2014, 101, 5-15.	1.4	74
106	Latent and activeabPPO4 mushroom tyrosinase cocrystallized with hexatungstotellurate(VI) in a single crystal. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 2301-2315.	2.5	109
107	Complexes of N -hydroxyethyl- N -benzimidazolylmethylethylenediaminediacetic acid with copper(II) and cobalt(II): Preparation, crystal structure and urease inhibitory activity. Inorganica Chimica Acta, 2014, 421, 423-426.	1.2	17
108	Isolation of Dihydroflavonol 4-Reductase cDNA Clones from Angelonia x angustifolia and Heterologous Expression as GST Fusion Protein in Escherichia coli. PLoS ONE, 2014, 9, e107755.	1.1	24

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109	The use of X-ray absorption and synchrotron based micro-X-ray fluorescence spectroscopy to investigate anti-cancer metal compounds in vivo and in vitro. Metallomics, 2013, 5, 597.	1.0	63
110	X-ray Absorption Near Edge Structure Spectroscopy to Resolve the in Vivo Chemistry of the Redox-Active Indazolium trans-[Tetrachlorobis(1H-indazole)ruthenate(III)] (KP1019). Journal of Medicinal Chemistry, 2013, 56, 1182-1196.	2.9	49
111	Synthesis and structure of mononuclear Cu(II) complexes containing bis(1-methylimidazol-2-yl)ketone ligands. Inorganica Chimica Acta, 2013, 406, 184-189.	1.2	0
112	X-Ray Absorption Spectroscopy. Advances in Protein Chemistry and Structural Biology, 2013, 93, 257-305.	1.0	21
113	Purification and spectroscopic studies on catechol oxidase from lemon balm (Melissa officinalis). Phytochemistry, 2012, 81, 19-23.	1.4	9
114	X-ray Absorption Spectroscopy of an Investigational Anticancer Gallium(III) Drug: Interaction with Serum Proteins, Elemental Distribution Pattern, and Coordination of the Compound in Tissue. Journal of Medicinal Chemistry, 2012, 55, 5601-5613.	2.9	36
115	New reduction pathways for ctc-[PtCl₂(CH₃CO₂)₂(NH₃)(Am)] anticancer prodrugs. Chemical Communications, 2010, 46, 1842-1844.	2.2	76
116	Editorial: Topics in Bioinorganic Chemistry. Chemistry and Biodiversity, 2008, 5, 1435-1436.	1.0	0
117	Oxidative switches in functioning of mammalian copper chaperone Cox17. Biochemical Journal, 2007, 408, 139-148.	1.7	50
118	Reevaluation of the Kinetics of Polynuclear Mimics for Manganese Catalases. Inorganic Chemistry, 2007, 46, 10864-10868.	1.9	30
119	Structural, Kinetic, and Theoretical Studies on Models of the Zincâ€Containing Phosphodiesterase Active Center: Mediumâ€Dependent Reaction Mechanisms. Chemistry - A European Journal, 2007, 13, 9093-9106.	1.7	49
120	Purification, cloning and characterization of a novel peroxidase isozyme from sweetpotatoes (Ipomoea batatas). Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1422-1430.	1.1	12
121	Altering the Activity of Catechol Oxidase Model Compounds by Electronic Influence on the Copper Core. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2006, 632, 1057-1066.	0.6	33
122	Cytotoxic effects of novel polyoxotungstates and a platinum compound on human cancer cell lines. Anti-Cancer Drugs, 2005, 16, 101-106.	0.7	35
123	Highly Efficient Disproportionation of Dihydrogen Peroxide: Synthesis, Structure, and Catalase Activity of Manganese Complexes of the Salicylimidate Ligand. European Journal of Inorganic Chemistry, 2005, 2005, 305-313.	1.0	23
124	Water Oxidation Catalyzed by a Dinuclear Mn Complex: A Functional Model for the Oxygen-Evolving Center of Photosystem II. Angewandte Chemie - International Edition, 2005, 44, 6916-6920.	7.2	205
125	Less Symmetrical Dicopper(II) Complexes as Catechol Oxidase Models-An Adjacent Thioether Group Increases Catecholase Activity. Chemistry - A European Journal, 2005, 11, 1201-1209.	1.7	121
126	Structureâ€“function relationships of purple acid phosphatase from red kidney beans based on heterologously expressed mutants. Archives of Biochemistry and Biophysics, 2005, 440, 38-45.	1.4	15

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127	N-Methyl-N-(2-pyridiniomethyl)-2-[N-(2-pyridiniomethyl)methylamino]-N-(2-pyridylmethyl)ethanaminium tris(perchlorate). Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1987-o1988.	0.2	0
128	Bis(2,2â€²:6â€²,2â€²â€²-terpyridyl-Î²3N)manganese(II) dinitrate dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, m1759-m1760.	0.2	9
129	Tuning the Catalase Activity of Dinuclear Manganese Complexes by Utilizing Different Substituted Tripodal Ligands. European Journal of Inorganic Chemistry, 2004, 2004, 879-887.	1.0	36
130	Mimicking the reduced, oxidized and azide inhibited form of manganese superoxide dismutase by mononuclear Mn compounds utilizing tridentate ligands. Inorganica Chimica Acta, 2004, 357, 1695-1702.	1.2	10
131	Mononuclear manganese(III) catechol compounds as substrate adduct complexes for manganese-substituted intradiol cleaving catechol dioxygenases. Inorganica Chimica Acta, 2004, 357, 2703-2712.	1.2	20
132	Five manganese(II) complexes with seven- or eight-coordinated Mn(II), revealing different coordination modes for the nitrato ligands. Inorganica Chimica Acta, 2004, 357, 3295-3303.	1.2	24
133	Unique example of flexible phenol coordination in mononuclear manganese compounds. Dalton Transactions, 2004, , 1474.	1.6	12
134	Porcine purple acid phosphatase: heterologous expression, characterization, and proteolytic analysis. Archives of Biochemistry and Biophysics, 2004, 432, 25-36.	1.4	11
135	Catalytic Oxidation of 3,5-Di-tert-butylcatechol by a Series of Mononuclear Manganese Complexes:Â Synthesis, Structure, and Kinetic Investigation. Inorganic Chemistry, 2003, 42, 6274-6283.	1.9	117
136	Ni(II) complexes as models for inhibited urease. Inorganica Chimica Acta, 2002, 340, 181-186.	1.2	28
137	Preparation of Highly Efficient Manganese Catalase Mimicsâ€–. Inorganic Chemistry, 2002, 41, 5544-5554.	1.9	153
138	Ca2+ Function in Photosynthetic Oxygen Evolution Studied by Alkali Metal Cations Substitution. Biophysical Journal, 2001, 81, 1831-1840.	0.2	35
139	Counting the number of disulfides and thiol groups in proteins and a novel approach for determining the local pKafor cysteine groups in proteinsin vivo. Journal of Synchrotron Radiation, 2001, 8, 1056-1058.	1.0	9
140	SK- and MoL-edge X-ray absorption spectroscopy to determine metalâ€“ligand charge distribution in molybdenumâ€“sulfur compounds. Journal of Synchrotron Radiation, 2001, 8, 1006-1008.	1.0	6
141	Synthesis of a novel Î¼-acetate bridged dinuclear Cu(II) complex as model compound for the active site of tyrosinase: crystal structure, magnetic properties and catecholase activity. Inorganic Chemistry Communication, 2001, 4, 753-756.	1.8	26
142	Isozymes of Ipomoea batatas catechol oxidase differ in catalase-like activity. BBA - Proteins and Proteomics, 2001, 1548, 94-105.	2.1	25
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