Li-June Ming

List of Publications by Year
in descending order

40 papers	1,244 citations	394421 19 h-index	361022 35 g-index
47 all docs	47 docs citations	47 times ranked	1523 citing authors

#	Article	IF	Citations
1	Structure and function of ?metalloantibiotics?. Medicinal Research Reviews, 2003, 23, 697-762.	10.5	195
2	Metal binding and structureâ€“activity relationship of the metalloantibiotic peptide bacitracin. Journal of Inorganic Biochemistry, 2002, 91, 46-58.	3.5	143
3	Identification of Metal-Binding Residues in theKlebsiella aerogenesUrease Nickel Metallochaperone, UreEâ€. Biochemistry, 1999, 38, 4078-4088.	2.5	85
4	Paramagnetic Cobalt(II) as an NMR Probe of Dendrimer Structure:Â Mobility and Cooperativity of Dendritic Arms. Journal of the American Chemical Society, 2001, 123, 8583-8592.	13.7	59
5	Introducing Seven Transition Metal Ions into Terpyridine-Based Supramolecules: Self-Assembly and Dynamic Ligand Exchange Study. Journal of the American Chemical Society, 2020, 142, 1811-1821.	13.7	53
6	Right-Handed Helical Foldamers Consisting of De Novo <scp>d</scp>-AApeptides. Journal of the American Chemical Society, 2017, 139, 7363-7369.	13.7	52
7	Metallo-ROS in Alzheimer's Disease: Oxidation of Neurotransmitters by CuII-Î²-Amyloid and Neuropathology of the Disease. Angewandte Chemie - International Edition, 2007, 46, 3337-3341.	13.8	44
8	The mechanistic role of the coordinated tyrosine in astacin. Journal of Inorganic Biochemistry, 1998, 72, 57-62.	3.5	42
9	Alzheimer's Disease Related Copper(II)-Î²-Amyloid Peptide Exhibits Phenol Monooxygenase and Catechol Oxidase Activities. Angewandte Chemie - International Edition, 2005, 44, 5501-5504.	13.8	41
10	Catechol Oxidase-like Oxidation Chemistry of the 1â€“20 and 1â€“16 Fragments of Alzheimer's Disease-related Î²-Amyloid Peptide. Journal of Biological Chemistry, 2005, 280, 16601-16609.	3.4	40
11	Spectroscopic characterization of metal binding by Klebsiella aerogenes UreE urease accessory protein. Journal of Biological Inorganic Chemistry, 1998, 3, 150-160.	2.6	36
12	Proton NMR Spectroscopy as a Probe of Dinuclear Copper(II) Active Sites in Metalloproteins. Characterization of the Hyperactive Copper(II)-Substituted Aminopeptidase fromAeromonas proteolytica. Journal of the American Chemical Society, 1998, 120, 6329-6335.	13.7	34
13	NMR Study of Dendrimer Structures Using Paramagnetic Cobalt(II) as a Probe. Inorganic Chemistry, 1999, 38, 4498-4502.	4.0	30
14	Metal Binding of Flavonoids and Their Distinct Inhibition Mechanisms Toward the Oxidation Activity of Cu2+â€“Î²-Amyloid: Not Just Serving as Suicide Antioxidants!. Inorganic Chemistry, 2013, 52, 679-690.	4.0	30
15	Mechanistic studies of the astacin-like Serratia metalloendopeptidase serralysin: highly active (>2000%) Co(II) and Cu(II) derivatives for further corroboration of a "metallotriad" mechanism. Journal of Biological Inorganic Chemistry, 2002, 7, 600-610.	2.6	29
16	1H NMR, Mechanism, and Mononuclear Oxidative Activity of the Antibiotic Metallopeptide Bacitracin: The Role of d-Glu-4, Interaction with Pyrophosphate Moiety, DNA Binding and Cleavage, and Bioactivity. Journal of the American Chemical Society, 2010, 132, 5652-5661.	13.7	28
17	Vitamin B6s inhibit oxidative stress caused by Alzheimerâ€™s disease-related CuII-Î²-amyloid complexesâ€”cooperative action of phospho-moiety. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6430-6432.	2.2	28
18	Comprehensive 2D1H NMR Studies of Paramagnetic Lanthanide(III) Complexes of Anthracycline Antitumor Antibiotics. Inorganic Chemistry, 1998, 37, 2255-2262.	4.0	24

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19	Iron(III)â€“Chelex resin complex as a prototypical heterogeneous catalyst for phosphodiester hydrolysis. Catalysis Communications, 2003, 4, 549-553.	3.3	19
20	Effective heterogeneous hydrolysis of phosphodiester by pyridine-containing metallopolymers. Inorganica Chimica Acta, 2005, 358, 1247-1252.	2.4	19
21	A 1010 Rate Enhancement of Phosphodiester Hydrolysis by a Dinuclear Aminopeptidaseâ€”Transition-State Analogues as Substrates?. Angewandte Chemie - International Edition, 1999, 38, 2914-2916.	13.8	18
22	Metal Complexes of a Multidentate Cyclophosphazene with Imidazoleâ€Containing Side Chains for Hydrolyses of Phosphoesters â€“ Bimolecular vs. Intramolecular Dinuclear Pathway. European Journal of Inorganic Chemistry, 2011, 2011, 674-682.	2.0	18
23	Recent advances of cyclotriphosphazene derivatives as fluorescent dyes. Dyes and Pigments, 2021, 188, 109214.	3.7	18
24	Different phosphate binding modes ofStreptomyces griseusaminopeptidase between crystal and solution states and the status of zinc-bound water. FEBS Letters, 1999, 455, 321-324.	2.8	17
25	An Ytterbium(III) Complex of Daunomycin, a Model Metal Complex of Anthracycline Antibiotics. Inorganic Chemistry, 1994, 33, 4617-4618.	4.0	15
26	Remarkable enhancement of the hydrolyses of phosphoesters by dinuclear centers: Streptomyces aminopeptidase as a â€˜natural model systemâ€™. Chemical Communications, 2000, , 2501-2502.	4.1	15
27	Iron(III) Complexes of Metalâ€Binding Copolymers as Proficient Catalysts for Acid Hydrolysis of Phosphodiesters and Oxidative DNA Cleavage â€“ Insight into the Rational Design of Functional Metallopolymers. European Journal of Inorganic Chemistry, 2009, 2009, 1199-1207.	2.0	15
28	Overexpression and Mechanistic Characterization of Blastula Protease 10, a Metalloprotease Involved in Sea Urchin Embryogenesis and Development. Journal of Biological Chemistry, 2006, 281, 10737-10744.	3.4	14
29	Metal ion binding and activation of Streptomyces griseus dinuclear aminopeptidase: cadmium(II) binding as a model. Journal of Biological Inorganic Chemistry, 2001, 6, 120-127.	2.6	12
30	Metallopeptides â€” from Drug Discovery to Catalysis. Journal of the Chinese Chemical Society, 2010, 57, 285-299.	1.4	10
31	Insights into SOD1-linked amyotrophic lateral sclerosis from NMR studies of Ni2+- and other metal-ion-substituted wild-type copperâ€“zinc superoxide dismutases. Journal of Biological Inorganic Chemistry, 2014, 19, 647-657.	2.6	9
32	Two-dimensional1H NMR studies of Ca(II)-binding site in proteins using paramagnetic lanthanides(III) as probes and Yb(III)-substituted bovine Î±-lactalbumin as an example. Magnetic Resonance in Chemistry, 1993, 31, S104-S109.	1.9	8
33	How Well Should the Active Site and the Specific Recognition Be Defined for Proficient Catalysis? â€“ Effective and Cooperative Polyphenol/Catechol Oxidation and Oxidative DNA Cleavage by a Copper(II)â€Binding and Hâ€Bonding Copolymer. European Journal of Inorganic Chemistry, 2008, 2008, 2584-2592.	2.0	8
34	Catalytic Cooperativity, Nuclearity, and O₂/H₂O₂ Specificity of Multiâ€Copper(II) Complexes of Cyclenâ€Tethered Cyclotriphosphazene Ligands in Aqueous Media. European Journal of Inorganic Chemistry, 2017, 2017, 4899-4908.	2.0	8
35	Mechanistic Insights into Phenol Oxidation by a Copper(II) Complex of a Pyridineâ€and Amideâ€Containing Copolymer in an Aqueous Medium. European Journal of Inorganic Chemistry, 2015, 2015, 375-381.	2.0	3
36	Radical annihilation of Î³â€rayâ€irradiated contact lens blanks made of a 2â€hydroxyethyl methacrylate copolymer at elevated temperatures. Journal of Applied Polymer Science, 2010, 117, 3114-3120.	2.6	2

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37	Catalytic Cooperativity, Nuclearity, and O₂/H₂O₂ Specificity of Multiâ€Copper(II) Complexes of Cyclenâ€Tethered Cyclotriphosphazene Ligands in Aqueous Media. European Journal of Inorganic Chemistry, 2017, 2017, 4885-4885.	2.0	2
38	Front Cover: Catalytic Cooperativity, Nuclearity, and O₂/H₂O₂ Specificity of Multiâ€Copper(II) Complexes of Cyclenâ€Tethered Cyclotriphosphazene Ligands in Aqueous Media (Eur. J. Inorg. Chem. 42/2017). European Journal of Inorganic Chemistry, 2017, 2017, 4884-4884.	2.0	1
39	To be structurally well-defined or not to be, that is not the question for iron(III)â€“poly(4-Vinylpyridine-co-acrylamide) to exhibit catechol dioxygenase activity!. Catalysis Communications, 2018, 106, 87-91.	3.3	0
40	The distribution in native populations from Mexico and Central America of the C677T variant in the MTHFR gene. American Journal of Human Biology, 2021, 33, e23567.	1.6	0