Martin J Stillman

List of Publications by Year
in descending order

258	8,378	44069	74163
papers	citations	48 h-index	75 g-index

274	274	274	5292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of MCD spectroscopy to porphyrinoids. Coordination Chemistry Reviews, 2007, 251, 429-453.	18.8	292
2	Metallothioneins. Coordination Chemistry Reviews, 1995, 144, 461-511.	18.8	259
3	The â€œmagic numbersâ€•of metallothionein. Metallomics, 2011, 3, 444.	2.4	175
4	Application of MCD Spectroscopy and TDâ^'DFT to a Highly Non-Planar Porphyrinoid Ring System. New Insights on Redâ^'Shifted Porphyrinoid Spectral Bands. Journal of the American Chemical Society, 2005, 127, 17697-17711.	13.7	174
5	Photochemical Formation of the Anion Radical of Zinc Phthalocyanine and Analysis of the Absorption and Magnetic Circular Dichroism Spectral Data. Assignment of the Optical Spectrum of [ZnPc(-3)]-. Journal of the American Chemical Society, 1994, 116, 1292-1304.	13.7	166
6	Analysis of the absorption and magnetic circular dichroism spectra of zinc phthalocyanine and the .pi.-cation-radical species [ZnPc(1-)].cntdot.+. Inorganic Chemistry, 1987, 26, 1087-1095.	4.0	164
7	Phthalocyanine .pi.-cation-radical species: photochemical and electrochemical preparation of [ZnPc(-1).+ in solution. Inorganic Chemistry, 1987, 26, 548-553.	4.0	150
8	Demonstration of the Iron-regulated Surface Determinant (Isd) Heme Transfer Pathway in Staphylococcus aureus. Journal of Biological Chemistry, 2008, 283, 28125-28136.	3.4	142
9	Assignment of the charge-transfer bands in some metal phthalocyanines. Evidence for the S= 1 state of iron (II) phthalocyanine in solution. Journal of the Chemical Society, Faraday Transactions 2, 1974, 70, 790.	1.1	138
10	Arsenic Binding to Human Metallothionein. Journal of the American Chemical Society, 2006, 128, 12473-12483.	13.7	122
11	Studies of metal binding reactions in metallothioneins by spectroscopic, molecular biology, and molecular modeling techniques. Coordination Chemistry Reviews, 2002, 233-234, 319-339.	18.8	115
12	Intramolecular photochemical electron transfer. 2. Fluorescence studies of linked porphyrin-quinone compounds. Journal of the American Chemical Society, 1983, 105, 7224-7230.	13.7	104
13	Assignment of the Optical Spectra of Metal Phthalocyanine Anions. Inorganic Chemistry, 1997, 36, 413-425.	4.0	100
14	Photochemical, electrochemical, and chemical formation of the .pi.-cation-radical species of magnesium phthalocyanine. Analysis of the absorption and MCD spectra of [MgPc(-1)].bul.+. Inorganic Chemistry, 1991, 30, 2301-2310.	4.0	99
15	Electrochemistry and spectroscopy of magnesium phthalocyanine. Analysis of the absorption and magnetic circular dichroism spectra. Inorganic Chemistry, 1988, 27, 2724-2732.	4.0	98
16	Metal-dependent protein folding: Metallation of metallothionein. Journal of Inorganic Biochemistry, 2006, 100, 2101-2107.	3.5	86
17	Band Deconvolution Analysis of the Absorption and Magnetic Circular Dichroism Spectral Data of ZnPc(-2) Recorded at Cryogenic Temperatures. The Journal of Physical Chemistry, 1995, 99, 7935-7945.	2.9	84
18	Electronic Structure of Reduced Symmetry Peripheral Fused-Ring-Substituted Phthalocyanines. Inorganic Chemistry, 2002, 41, 5350-5363.	4.0	84

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19	Structures of the Cadmium, Mercury, and Zinc Thiolate Clusters in Metallothionein: XAFS Study of Zn7-MT, Cd7-MT, Hg7-MT, and Hg18-MT Formed from Rabbit Liver Metallothionein 2. Journal of the American Chemical Society, 1994, 116, 11004-11013.	13.7	82
20	.pi.-Cation-radical formation following visible light photolysis of porphyrins in frozen solution using alkyl chlorides or quinones as electron acceptors. Inorganic Chemistry, 1985, 24, 2440-2447.	4.0	81
21	Intramolecular Photochemical Electron Transfer. 1. EPR and Optical Absorption Evidence for Stabilized Charge Separation in Linked Porphyrin-Quinone Molecules. Journal of the American Chemical Society, 1983, 105, 7215-7223.	13.7	79
22	Determination of the Hydroxyapatite-Nucleating Region of Bone Sialoprotein. Connective Tissue Research, 1996, 35, 385-392.	2.3	77
23	Spectroscopy and Electronic Structure of Electron Deficient Zinc Phthalocyanines. Journal of the American Chemical Society, 2003, 125, 7067-7085.	13.7	77
24	Copper Binding to Rabbit Liver Metallothionein. Formation of a Continuum of Copper(I)-Thiolate Stoichiometric Species. FEBS Journal, 1995, 227, 226-240.	0.2	75
25	A Novel Composite Endpoint to Evaluate the Gastrointestinal (GI) Effects of Nonsteroidal Antiinflammatory Drugs Through the Entire GI Tract. Journal of Rheumatology, 2010, 37, 167-174.	2.0	72
26	Assignment of the optical spectrum of metal porphyrin and phthalocyanine radical anions. Journal of Porphyrins and Phthalocyanines, 2001, 05, 67-76.	0.8	71
27	Kinetic Analysis of Arsenicâ^'Metalation of Human Metallothionein: Significance of the Two-Domain Structure. Journal of the American Chemical Society, 2008, 130, 17016-17028.	13.7	69
28	Electronic Structures of Metal Phthalocyanine and Porphyrin Complexes from Analysis of the UVâ€“Visible Absorption and Magnetic Circular Dichroism Spectra and Molecular Orbital Calculations. , 2003, , 43-116.		66
29	The Synthesis and Properties of Freeâ€Base [14]Triphyrin(2.1.1) Compounds and the Formation of Subporphyrinoid Metal Complexes. Chemistry - A European Journal, 2011, 17, 4396-4407.	3.3	65
30	Analysis of the absorption and magnetic circular dichroism spectra of iron(II) phthalocyanine. Inorganic Chemistry, 1994, 33, 573-583.	4.0	64
31	Luminescence Probe of Copper-Thiolate Cluster Formation within Mammalian Metallothionein. Inorganic Chemistry, 1994, 33, 4159-4168.	4.0	64
32	A N-Heterocyclic Carbene-Stabilized Coinage Metal-Chalcogenide Framework with Tunable Optical Properties. Journal of the American Chemical Society, 2017, 139, 14045-14048.	13.7	62
33	Sulfur K-Edge EXAFS Studies of Cadmium-, Zinc-, Copper-, and Silver-Rabbit Liver Metallothioneins. Inorganic Chemistry, 1996, 35, 6520-6529.	4.0	61
34	Characterization of the Heme Binding Properties ofStaphylococcus aureusIsdAâ€. Biochemistry, 2006, 45, 12867-12875.	2.5	61
35	Application of MCD Spectroscopy and TDâ€DFT to Nonplanar Coreâ€Modified Tetrabenzoporphyrins: Effect of Reduced Symmetry on Nonplanar Porphyrinoids. Chemistry - A European Journal, 2008, 14, 5001-5020.	3.3	59
36	Mercury-thiolate clusters in metallothionein. Analysis of circular dichroism spectra of complexes formed between .alpha.-metallothionein, apometallothionein, zinc metallothionein, and cadmium metallothionein and mercury(2+). Journal of the American Chemical Society, 1993, 115, 3291-3299.	13.7	58

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37	The Zinc Balance: Competitive Zinc Metalation of Carbonic Anhydrase and Metallothionein 1A. Biochemistry, 2014, 53, 6276-6285.	2.5	58
38	Absorption and magnetic circular dichroism spectra of nitrogen homologues of magnesium and zinc phthalocyanine. Canadian Journal of Chemistry, 1993, 71, 1898-1909.	1.1	57
39	Transition Assignments in the Ultravioletâ^'Visible Absorption and Magnetic Circular Dichroism Spectra of Phthalocyanines. Inorganic Chemistry, 2001, 40, 812-814.	4.0	57
40	Determination of the ground state of manganese phthalocyanine in an argon matrix using magnetic circular dichroism and absorption spectroscopy. Journal of the American Chemical Society, 1992, 114, 2412-2419.	13.7	56
41	Arsenic binding to Fucus vesiculosus metallothionein. Biochemical and Biophysical Research Communications, 2004, 324, 127-132.	2.1	55
42	Emission spectra of some lanthanoid decatungstate and undecatungstosilicate ions. Journal of the Chemical Society Dalton Transactions, 1976, , 1138.	1.1	54
43	Structural studies of metal-free metallothionein. Biochemical and Biophysical Research Communications, 2004, 325, 1271-1278.	2.1	54
44	GI-REASONS: A Novel 6-Month, Prospective, Randomized, Open-Label, Blinded Endpoint (PROBE) Trial. American Journal of Gastroenterology, 2013, 108, 392-400.	0.4	54
45	Silver binding to rabbit liver zinc metallothionein and zinc .alpha. and .beta. fragments. Formation of silver metallothionein with silver(I):protein ratios of 6, 12, and 18 observed using circular dichroism spectroscopy. Inorganic Chemistry, 1992, 31, 3363-3370.	4.0	53
46	XAFS Spectral Analysis of the Cadmium Coordination Geometry in Cadmium Thiolate Clusters in Metallothionein. Inorganic Chemistry, 2005, 44, 4923-4933.	4.0	52
47	Peptide Folding, Metal-Binding Mechanisms, and Binding Site Structures in Metallothioneins. Experimental Biology and Medicine, 2006, 231, 1488-1499.	2.4	52
48	Optical absorption and magnetic circular dichroism studies of hydrogen, copper(II), zinc(II), nickel(II), and cobalt(II) crown ether-substituted monomeric and dimeric phthalocyanines. Journal of the Chemical Society Dalton Transactions, 1989, , 2397.	1.1	51
49	Noncooperative cadmium(II) binding to human metallothionein 1a. Biochemical and Biophysical Research Communications, 2008, 372, 840-844.	2.1	50
50	Photochemical Formation of Ruthenium Phthalocyanine Ï†-Cation Radical Species. Inorganica Chimica Acta, 1986, 112, 11-15.	2.4	49
51	Noncooperative Metalation of Metallothionein 1a and Its Isolated Domains with Zinc. Biochemistry, 2012, 51, 6690-6700.	2.5	48
52	Defining the metal binding pathways of human metallothionein 1a: balancing zinc availability and cadmium seclusion. Metallomics, 2016, 8, 71-81.	2.4	48
53	Assignment of absorption and magnetic circular dichroism spectra of solid, ? phase metallophthalocyanines. Journal of the Chemical Society, Faraday Transactions 2, 1978, 74, 2107.	1.1	47
54	Mercury binding to metallothioneins: formation of the Hg18-MT species. Inorganic Chemistry, 1993, 32, 919-926.	4.0	47

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55	Copper speciation in the Î± and Î² domains of recombinant human metallothionein by electrospray ionization mass spectrometry. Journal of Inorganic Biochemistry, 2002, 88, 153-172.	3.5	47
56	Single Domain Metallothioneins: Supermetalation of Human MT 1a. Journal of the American Chemical Society, 2012, 134, 3290-3299.	13.7	47
57	Orbital reduction factors in the lowest excited state of the phthalocyanine ring and their measurement by magnetic circular dichroism spectroscopy. Journal of the Chemical Society, Faraday Transactions 2, 1974, 70, 805.	1.1	46
58	A multinuclear (1H, 13C, 113Cd) nuclear magnetic resonance and magnetic circular dichroism spectroscopic study of thiolate complexes of cadmium. Inorganica Chimica Acta, 1981, 56, 59-71.	2.4	46
59	In vivo heme scavenging by Staphylococcus aureus IsdC and IsdE proteins. Biochemical and Biophysical Research Communications, 2004, 320, 781-788.	2.1	46
60	Ground-state and optical spectrum of metallophthalocyanine radical anions from low-temperature magnetic circular dichroism spectroscopy. Inorganic Chemistry, 1992, 31, 1717-1719.	4.0	45
61	Spectroscopic Studies of Copper, Silver and Gold-Metallothioneins. Metal-Based Drugs, 1994, 1, 375-394.	3.8	45
62	Metal-binding mechanisms in metallothioneins. Dalton Transactions, 2009, , 5425.	3.3	45
63	Heme binding in the NEAT domains of IsdA and IsdC of Staphylococcus aureus. Journal of Inorganic Biochemistry, 2008, 102, 480-488.	3.5	44
64	A Heme-responsive Regulator Controls Synthesis of Staphyloferrin B in Staphylococcus aureus. Journal of Biological Chemistry, 2016, 291, 29-40.	3.4	44
65	Temperature dependence and electronic transition energies in the magnetic circular dichroism spectrum of horseradish peroxidase compound I. Journal of the American Chemical Society, 1988, 110, 3633-3640.	13.7	43
66	Circular dichroism, kinetic and mass spectrometric studies of copper(I) and mercury(II) binding to metallothionein. Journal of Inorganic Biochemistry, 2000, 79, 11-19.	3.5	43
67	Characterization of the conformational changes in recombinant human metallothioneins using ESI-MS and molecular modeling. Canadian Journal of Chemistry, 2007, 85, 898-912.	1.1	42
68	Evidence for noncooperative metal binding to the Î± domain of human metallothionein. FEBS Journal, 2007, 274, 2253-2261.	4.7	42
69	Stepwise copper(<scp>i</scp>) binding to metallothionein: a mixed cooperative and non-cooperative mechanism for all 20 copper ions. Metallomics, 2017, 9, 447-462.	2.4	42
70	Unravelling the mechanistic details of metal binding to mammalian metallothioneins from stoichiometric, kinetic, and binding affinity data. Dalton Transactions, 2018, 47, 3613-3637.	3.3	42
71	Photochemical electron transfer in monolayer assemblies. 1. Spectroscopic study of radicals produced in chlorophyll a/acceptor systems. Journal of the American Chemical Society, 1979, 101, 6337-6341.	13.7	41
72	(Mercury)18-metallothionein. Journal of the American Chemical Society, 1988, 110, 7872-7873.	13.7	40

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73	Molecular dynamics study on the folding and metallation of the individual domains of metallothionein. Proteins: Structure, Function and Bioinformatics, 2005, 62, 159-172.	2.6	39
74	The Ni(II)-Binding Properties of the Metallochaperone SlyD. Journal of the American Chemical Society, 2009, 131, 18489-18500.	13.7	39
75	Cu+ distribution in metallothionein fragments. Biochemical and Biophysical Research Communications, 2004, 318, 73-80.	2.1	38
76	Comparison of the Structures of the Metal-thiolate Binding Site in Zn(II)-, Cd(II)-, and Hg(II)-Metallothioneins Using Molecular Modeling Techniques. Journal of Biomolecular Structure and Dynamics, 1997, 14, 393-406.	3.5	37
77	Incorporation of copper into the yeast saccharomyces cerevisiae. Identification of Cu(I)-metallothionein in intact yeast cells. Journal of Inorganic Biochemistry, 1997, 66, 231-240.	3.5	37
78	The spectroscopic impact of interactions with the four Gouterman orbitals from peripheral decoration of porphyrins with simple electron withdrawing and donating groups. Organic and Biomolecular Chemistry, 2017, 15, 9081-9094.	2.8	37
79	Magnetic circular dichroism study of porphyrin Ï€ cation radical species. Inorganica Chimica Acta, 1981, 49, 69-77.	2.4	36
80	Metalation of metallothioneins. IUBMB Life, 2009, 61, 438-446.	3.4	36
81	Photochemical reactions of horseradish peroxidase compounds I and II at room temperature and 10Â°K. Biochemistry, 1975, 14, 3183-3188.	2.5	35
82	Heme Binding Properties of Staphylococcus aureus IsdE. Biochemistry, 2007, 46, 12777-12787.	2.5	35
83	One-electron photooxidation of porphyrins at low temperature. Inorganica Chimica Acta, 1984, 92, 37-42.	2.4	34
84	Multiprotein Heme Shuttle Pathway in Staphylococcus aureus: Iron-Regulated Surface Determinant Cog-Wheel Kinetics. Journal of the American Chemical Society, 2012, 134, 16578-16585.	13.7	34
85	Luminescence decay from copper(I) complexes of metallothionein. Inorganica Chimica Acta, 1988, 153, 115-118.	2.4	33
86	Absorption and magnetic circular dichroism spectroscopy of metal- and ring-oxidized porphyrins. Spectral characteristics of the one- and two-electron oxidation products of cobalt octaethylporphyrin. Inorganic Chemistry, 1990, 29, 5101-5109.	4.0	33
87	Magnetic circular dichroism studies of bovine liver catalase. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1979, 577, 291-306.	1.7	32
88	Structural properties of metal-free apometallothioneins. Biochemical and Biophysical Research Communications, 2012, 425, 485-492.	2.1	32
89	Cysteine accessibility during As3+ metalation of the Î±- and Î²-domains of recombinant human MT1a. Biochemical and Biophysical Research Communications, 2013, 433, 477-483.	2.1	32
90	Challenging conventional wisdom: single domain metallothioneins. Metallomics, 2014, 6, 702-728.	2.4	32

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91	Iron acquisition by the haem-binding Isd proteins in Staphylococcus aureus: studies of the mechanism using magnetic circular dichroism. Biochemical Society Transactions, 2008, 36, 1138-1143.	3.4	31
92	Bismuth binding studies to the human metallothionein using electrospray mass spectrometry. Biochemical and Biophysical Research Communications, 2010, 396, 206-212.	2.1	30
93	A Simple Metallothionein-Based Biosensor for Enhanced Detection of Arsenic and Mercury. Biosensors, 2017, 7, 14.	4.7	30
94	One-electron, visible-light photooxidation of porphyrins in alkyl chloride solutions. Inorganic Chemistry, 1984, 23, 382-384.	4.0	29
95	Electrochemistry and spectroscopy of magnesium octaethyltetraazaporphyrin and magnesium octakis(methylthio)tetraazaporphyrin. Inorganica Chimica Acta, 1996, 246, 361-369.	2.4	29
96	Absorption, Fluorescence, and Magnetic Circular Dichroism Spectra of and Molecular Orbital Calculations on Tetrabenzotriazaporphyrins and Tetranaphthotriazaporphyrins. Inorganic Chemistry, 1997, 36, 5624-5634.	4.0	29
97	Determination of the Cd/S Cluster Stoichiometry in Fucus vesiculosus Metallothionein. Chemical Research in Toxicology, 2006, 19, 365-375.	3.3	29
98	Evidence for heme Ï€ cation radical species in compound I of horseradish peroxidase and catalase. Biochimica Et Biophysica Acta - Biomembranes, 1981, 660, 1-7.	2.6	28
99	Cadmium binding studies to the earthworm Lumbricus rubellus metallothionein by electrospray mass spectrometry and circular dichroism spectroscopy. Biochemical and Biophysical Research Communications, 2006, 351, 229-233.	2.1	28
100	Metal exchange in metallothioneins â€“ a novel structurally significant Cd₅ species in the alpha domain of human metallothioneinâ€ƒ1a. FEBS Journal, 2008, 275, 2227-2239.	4.7	28
101	Arsenic transfer between metallothionein proteins at physiological pH. Biochemical and Biophysical Research Communications, 2010, 401, 69-74.	2.1	28
102	Theoretical aspects of the spectroscopy of porphyrins and phthalocyanines. Journal of Porphyrins and Phthalocyanines, 2002, 06, 296-300.	0.8	27
103	Probing structural changes in the Î± and Î² domains of copper- and silver-substituted metallothionein by emission spectroscopy and electrospray ionization mass spectrometry. Journal of Biological Inorganic Chemistry, 2007, 12, 294-312.	2.6	27
104	Horseradish peroxidase. XIX. A photochemical reaction of compound I at 5Â°K. Biochemical and Biophysical Research Communications, 1975, 63, 32-35.	2.1	26
105	On the assignment of absorption bands in alkali halides doped with s2 ions. Chemical Physics Letters, 1980, 74, 135-138.	2.6	26
106	A luminescence probe for metallothionein in liver tissue: emission intensity measured directly from copper metallothionein induced in rat liver. FEBS Letters, 1989, 257, 283-286.	2.8	26
107	Analysis of the absorption and magnetic circular dichroism spectra of low spin (S = 1/2) iron(III) phthalocyanine. Inorganic Chemistry, 1995, 34, 4317-4325.	4.0	26
108	Challenging Density Functional Theory Calculations with Hemes and Porphyrins. International Journal of Molecular Sciences, 2016, 17, 519.	4.1	25

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109	Lowâ€Symmetry Î©â€Shaped Zinc Phthalocyanine Sensitizers with Panchromatic Lightâ€Harvesting Properties for Dyeâ€Sensitized Solar Cells. Chemistry - A European Journal, 2016, 22, 18760-18768.	3.3	25
110	Information on Metal Binding Properties of Metallothioneins from Optical Spectroscopy. Exs, 1987, 52, 203-211.	1.4	25
111	Observation of Davydov splitting in the MCD spectra of Î± metal-free phthalocyanine. Chemical Physics Letters, 1974, 29, 284-286.	2.6	24
112	Mobility of Copper in Binding Sites in Rabbit Liver Metallothionein 2. Inorganic Chemistry, 1996, 35, 2799-2807.	4.0	24
113	Metalation Kinetics of the Human Îâ€Metallothioneinâ€...1a Fragment Is Dependent on the Fluxional Structure of the apoâ€Protein. Chemistry - A European Journal, 2015, 21, 1269-1279.	3.3	24
114	Arsenic Metalation of Seaweed Fucus vesiculosus Metallothionein: The Importance of the Interdomain Linker in Metallothionein. Biochemistry, 2009, 48, 8806-8816.	2.5	23
115	Absorption and magnetic circular dichroism spectra of metal-free phthalocyanine in ultraviolet-transparent solvents. Canadian Journal of Chemistry, 1979, 57, 1111-1113.	1.1	22
116	A spectroscopic study of rat liver and Scylia serrata crab metallothioneins. BBA - Proteins and Proteomics, 1984, 784, 53-61.	2.1	22
117	Computer-aided chemistryâ€”II. A spectral database management program for use with microcomputers. Computers & Chemistry, 1987, 11, 73-82.	1.2	22
118	Co-dependency of Calcium and Porphyrin for an Integrated Molecular Structure of Peanut Peroxidase: A Circular Dichroism Analysis. Biochemical and Biophysical Research Communications, 1993, 194, 326-332.	2.1	22
119	Magnetic circular dichroism spectroscopy and TD-DFT calculations of metal phthalocyanine anion and cation radical species. Journal of Porphyrins and Phthalocyanines, 2006, 10, 1219-1237.	0.8	22
120	Domain Selection in Metallothionein 1A: Affinity-Controlled Mechanisms of Zinc Binding and Cadmium Exchange. Biochemistry, 2015, 54, 5006-5016.	2.5	22
121	Characterization of the chromophores in horseradish peroxidase compounds I and II using magnetic circular dichroism. Biochemical and Biophysical Research Communications, 1976, 72, 554-559.	2.1	21
122	The effect of pH on Cd2+ binding to rat liver metallothionein. Biochemical and Biophysical Research Communications, 1980, 94, 138-143.	2.1	21
123	Characterization of the cadmium(II) binding site in Cd, Zn-metallothionein by magnetic circular dichroism spectroscopy. Biochemical and Biophysical Research Communications, 1981, 102, 397-402.	2.1	21
124	Cadmium binding to metal-free metallothionein: A correlation of UV, CD and 113Cd NMR data and a 113Cd NMR characterization of the binding sites in the reconstituted protein. Inorganica Chimica Acta, 1983, 78, 275-279.	2.4	21
125	Microcomputer-aided chemistry. Chemometrics and Intelligent Laboratory Systems, 1989, 5, 233-246.	3.5	21
126	Re-examination of the emission properties of alkoxy- and thioalkyl-substituted phthalocyanines. Journal of Inorganic Biochemistry, 2010, 104, 310-317.	3.5	21

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127	Circular dichroism and magnetic circular dichroism spectra of chlorophylls a and b in nematic liquid crystals. Biophysical Chemistry, 1987, 28, 101-114.	2.8	20
128	Oxidative quenching of luminescence from copper metallothionein. Inorganica Chimica Acta, 1994, 226, 275-283.	2.4	20
129	Single-Domain Metallothioneins: Evidence of the Onset of Clustered Metal Binding Domains in Zn-rhMT 1a. Biochemistry, 2013, 52, 2461-2471.	2.5	20
130	Kinetics of Zinc and Cadmium Exchanges between Metallothionein and Carbonic Anhydrase. Biochemistry, 2015, 54, 6284-6293.	2.5	20
131	Tuning the Metal/Chalcogen Composition in Copper(I)â€“Chalcogenide Clusters with Cyclic (Alkyl)(amino)carbene Ligands. Inorganic Chemistry, 2019, 58, 3338-3348.	4.0	20
132	Luminescent Ag12-metallothionein: Dependence of emission intensity on silver-thiolate cluster formation. FEBS Letters, 1988, 240, 159-162.	2.8	19
133	Sulfur L-edge XANES study of zinc-, cadmium-, and mercury-containing metallothionein and model compounds. Inorganic Chemistry, 1990, 29, 2561-2563.	4.0	19
134	Formation and electronic properties of ring-oxidized and ring-reduced radical species of the phthalocyanines and porphyrins. Journal of Porphyrins and Phthalocyanines, 2000, 04, 374-376.	0.8	19
135	Supermetalation of the Î² Domain of Human Metallothionein 1a. Biochemistry, 2010, 49, 3593-3601.	2.5	19
136	Spectroscopic and Theoretical Studies of Ga(III)protoporphyrin-IX and Its Reactions with Myoglobin. Inorganic Chemistry, 2012, 51, 3743-3753.	4.0	19
137	Selective cysteine modification of metalâ€free human metallothionein 1a and its isolated domain fragments: Solution structural properties revealed via ESIâ€MS. Protein Science, 2017, 26, 960-971.	7.6	19
138	Laser induced emission spectra of Pr3+ in CaF2 at low temperatures. Journal of Luminescence, 1983, 28, 177-190.	3.1	18
139	Chiral copper(I)?thiolate clusters in metallothionein and glutathione. Chirality, 1994, 6, 521-530.	2.6	18
140	Photochemically-Induced Radical Reactions of Zinc Phthalocyanine. Inorganic Chemistry, 2002, 41, 353-358.	4.0	18
141	Metal Selectivity of the Escherichia coli Nickel Metallochaperone, SlyD. Biochemistry, 2011, 50, 10666-10677.	2.5	18
142	Topographical analysis of As-induced folding of Î±-MT1a. Biochemical and Biophysical Research Communications, 2013, 441, 208-213.	2.1	18
143	Capturing platinum in cisplatin: kinetic reactions with recombinant human apo-metallothionein 1a. Metallomics, 2018, 10, 713-721.	2.4	18
144	Metallothionein: An Aggressive Scavengerâ€"The Metabolism of Rhodium(II) Tetraacetate (Rh₂(CH₃CO₂)₄). ACS Omega, 2018, 3, 16314-16327.	3.5	18

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145	Circular dichroism and magnetic circular dichroism spectra of chlorophylls in nematic liquid crystals. I. Electric and weak magnetic field effects on the dichroism spectra. Biochimica Et Biophysica Acta - Bioenergetics, 1982, 681, 273-285.	1.0	17
146	Spectroscopic characterization of rat kidney Hg, Cu-metallothionein. Biochemical and Biophysical Research Communications, 1983, 115, 167-173.	2.1	17
147	[62] Luminescence spectroscopy of metallothioneins. Methods in Enzymology, 1991, 205, 540-555.	1.0	17
148	Structural model of rabbit liver copper metallothionein. Journal of the Chemical Society Dalton Transactions, 1997, , 977-984.	1.1	17
149	Magnetic circular dichroism spectroscopy of cobalt tetraphenyltetraacenaphthoporphyrin. Journal of Inorganic Biochemistry, 2008, 102, 472-479.	3.5	17
150	Cu(I) binding properties of a designed metalloprotein. Journal of Inorganic Biochemistry, 2010, 104, 261-267.	3.5	17
151	Application of magnetic circular dichroism spectroscopy to porphyrins, phthalocyanines and hemes. Journal of Porphyrins and Phthalocyanines, 2011, 15, 1134-1149.	0.8	17
152	Soluble Diamagnetic Model for Malaria Pigment: Coordination Chemistry of Gallium(III)protoporphyrin-IX. Inorganic Chemistry, 2012, 51, 10747-10761.	4.0	17
153	Modeling the Zn2+ and Cd2+ metalation mechanism in mammalian metallothionein 1a. Biochemical and Biophysical Research Communications, 2012, 426, 601-607.	2.1	17
154	Destructive interactions of dirhodium(<scp>ii</scp>) tetraacetate with Î² metallothionein rh1a. Chemical Communications, 2016, 52, 5698-5701.	4.1	17
155	Zinc binds non-cooperatively to human liver metallothionein 2a at physiological pH. Biochemical and Biophysical Research Communications, 2017, 493, 650-653.	2.1	17
156	Magnetic circular dichroism studies on the electronic configuration of catalase compounds I and II. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1980, 623, 21-31.	1.7	16
157	Absorption and Magnetic Circular Dichroism Spectra of CsI:Tl⁺³. Physica Status Solidi (B): Basic Research, 1984, 124, 261-270.	1.5	16
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