John T Groves

List of Publications by Year
in descending order

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211 papers	24,462 citations	5267 83 h-index	7744 150 g-index
244 all docs	244 docs citations	244 times ranked	12940 citing authors

#	Article	IF	Citations
1	Toxicity of the iron siderophore mycobactin J in mouse macrophages: Evidence for a hypoxia response. Journal of Inorganic Biochemistry, 2022, 227, 111669.	3.5	3
2	Aerobic Partial Oxidation of Alkanes Using Photodriven Iron Catalysis. Inorganic Chemistry, 2022, 61, 759-766.	4.0	9
3	Manganese Catalyzed Partial Oxidation of Light Alkanes. ACS Catalysis, 2022, 12, 5356-5370.	11.2	9
4	Studies of Câ€“H Activation and Functionalization: Combined Computational and Experimental Efforts to Elucidate Mechanisms, Principles, and Catalysts. Springer Series in Materials Science, 2021, , 767-806.	0.6	2
5	Concise Modular Synthesis and NMR Structural Determination of Gallium Mycobactin T. Journal of Organic Chemistry, 2021, 86, 15453-15468.	3.2	4
6	Potent Activation of Indoleamine 2,3-Dioxygenase by Polysulfides. Journal of the American Chemical Society, 2019, 141, 15288-15300.	13.7	22
7	Selective Photoâ€Oxygenation of Light Alkanes Using Iodine Oxides and Chloride. ChemCatChem, 2019, 11, 5045-5054.	3.7	14
8	Manganese-Catalyzed Desaturation of N-Acyl Amines and Ethers. ACS Catalysis, 2019, 9, 9513-9517.	11.2	33
9	DFT Mechanistic Study of Methane Mono-Esterification by Hypervalent Iodine Alkane Oxidation Process. Journal of Physical Chemistry C, 2019, 123, 15674-15684.	3.1	13
10	Photoinduced charge flow inside an iron porphyrazine complex. Chemical Communications, 2019, 55, 13606-13609.	4.1	8
11	Oxygen Activation and Radical Transformations in Heme Proteins and Metalloporphyrins. Chemical Reviews, 2018, 118, 2491-2553.	47.7	686
12	Selective Câ^'H Halogenation with a Highly Fluorinated Manganese Porphyrin. Angewandte Chemie, 2018, 130, 1265-1269.	2.0	19
13	Mechanism of Hydrocarbon Functionalization by an Iodate/Chloride System: The Role of Ester Protection. ACS Catalysis, 2018, 8, 3138-3149.	11.2	23
14	Immune-modulating enzyme indoleamine 2,3-dioxygenase is effectively inhibited by targeting its apo-form. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3249-3254.	7.1	157
15	Selective Câ^'H Halogenation with a Highly Fluorinated Manganese Porphyrin. Angewandte Chemie - International Edition, 2018, 57, 1251-1255.	13.8	72
16	Site-selective ¹⁸F fluorination of unactivated Câ€“H bonds mediated by a manganese porphyrin. Chemical Science, 2018, 9, 1168-1172.	7.4	76
17	A reevaluation of iron binding by Mycobactin J. Journal of Biological Inorganic Chemistry, 2018, 23, 995-1007.	2.6	12
18	Fast Hydrogen Atom Abstraction by a Hydroxo Iron(III) Porphyrazine. Journal of the American Chemical Society, 2017, 139, 3938-3941.	13.7	48

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19	Probing the Câ€“O Bond-Formation Step in Metalloporphyrin-Catalyzed Câ€“H Oxygenation Reactions. ACS Catalysis, 2017, 7, 4182-4188.	11.2	52
20	The Enigmatic P450 Decarboxylase OleT Is Capable of, but Evolved To Frustrate, Oxygen Rebound Chemistry. Biochemistry, 2017, 56, 3347-3357.	2.5	62
21	Beyond ferryl-mediated hydroxylation: 40Âyears of the rebound mechanism and Câ€“H activation. Journal of Biological Inorganic Chemistry, 2017, 22, 185-207.	2.6	238
22	Alkyl Isocyanates via Manganese-Catalyzed Câ€“H Activation for the Preparation of Substituted Ureas. Journal of the American Chemical Society, 2017, 139, 15407-15413.	13.7	59
23	Taming Azide Radicals for Catalytic Câ€“H Azidation. ACS Catalysis, 2016, 6, 751-759.	11.2	147
24	Manganese Catalyzed Câ€“H Halogenation. Accounts of Chemical Research, 2015, 48, 1727-1735.	15.6	373
25	Ferryl Protonation in Oxoiron(IV) Porphyrins and Its Role in Oxygen Transfer. Journal of the American Chemical Society, 2015, 137, 2875-2885.	13.7	63
26	Targeted Fluorination with the Fluoride Ion by Manganeseâ€Catalyzed Decarboxylation. Angewandte Chemie - International Edition, 2015, 54, 5241-5245.	13.8	129
27	Partial oxidation of light alkanes by periodate and chloride salts. Dalton Transactions, 2015, 44, 5294-5298.	3.3	21
28	Manganese-Catalyzed Late-Stage Aliphatic Câ€“H Azidation. Journal of the American Chemical Society, 2015, 137, 5300-5303.	13.7	270
29	Heme-thiolate ferryl of aromatic peroxygenase is basic and reactive. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3686-3691.	7.1	77
30	Peroxynitrite and protein nitration in the pathogenesis of diabetic peripheral neuropathy. Diabetes/Metabolism Research and Reviews, 2014, 30, 669-678.	4.0	67
31	Theoretical Study of Reductive Functionalization of Methyl Ligands of Group 9 Complexes Supported by Two Bipyridyl Ligands: A Key Step in Catalytic Hydrocarbon Functionalization. Organometallics, 2014, 33, 1936-1944.	2.3	15
32	Late Stage Benzylic Câ€“H Fluorination with [¹⁸F]Fluoride for PET Imaging. Journal of the American Chemical Society, 2014, 136, 6842-6845.	13.7	206
33	Using push to get pull. Nature Chemistry, 2014, 6, 89-91.	13.6	133
34	Reductive functionalization of a rhodium(iii)â€“methyl bond by electronic modification of the supporting ligand. Dalton Transactions, 2014, 43, 8273.	3.3	26
35	Selective CH Functionalization of Methane, Ethane, and Propane by a Perfluoroarene Iodine(III) Complex. Angewandte Chemie - International Edition, 2014, 53, 10490-10494.	13.8	62
36	Selective Monooxidation of Light Alkanes Using Chloride and Iodate. Journal of the American Chemical Society, 2014, 136, 8393-8401.	13.7	53

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37	Fishing for peroxidase protons. Science, 2014, 345, 142-143.	12.6	22
38	Driving Force for Oxygenâ€Atom Transfer by Hemeâ€Thiolate Enzymes. Angewandte Chemie - International Edition, 2013, 52, 9238-9241.	13.8	48
39	Oxidative aliphatic C-H fluorination with manganese catalysts and fluoride ion. Nature Protocols, 2013, 8, 2348-2354.	12.0	42
40	Efficient water oxidation catalyzed by homogeneous cationic cobalt porphyrins with critical roles for the buffer base. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15579-15584.	7.1	312
41	Substrate specificity and reaction mechanism of purified alkane hydroxylase from the hydrocarbonoclastic bacterium Alcanivorax borkumensis (AbAlkB). Journal of Inorganic Biochemistry, 2013, 121, 46-52.	3.5	26
42	Manganeseâ€Catalyzed Oxidative Benzylic Câ€“H Fluorination by Fluoride Ions. Angewandte Chemie - International Edition, 2013, 52, 6024-6027.	13.8	219
43	Cytochrome c causes pore formation in cardiolipin-containing membranes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6269-6274.	7.1	119
44	Identity and mechanisms of alkane-oxidizing metalloenzymes from deep-sea hydrothermal vents. Frontiers in Microbiology, 2013, 4, 109.	3.5	16
45	Effects of FP15, a peroxynitrite decomposition catalyst on cardiac and pulmonary function after cardiopulmonary bypass. European Journal of Cardio-thoracic Surgery, 2012, 41, 391-396.	1.4	12
46	Flavin-Catalyzed Insertion of Oxygen into Rheniumâ€“Methyl Bonds. Journal of the American Chemical Society, 2012, 134, 12920-12923.	13.7	34
47	Parallel and Competitive Pathways for Substrate Desaturation, Hydroxylation, and Radical Rearrangement by the Non-heme Diiron Hydroxylase AlkB. Journal of the American Chemical Society, 2012, 134, 20365-20375.	13.7	50
48	Oxidative Aliphatic C-H Fluorination with Fluoride Ion Catalyzed by a Manganese Porphyrin. Science, 2012, 337, 1322-1325.	12.6	478
49	Detection and Kinetic Characterization of a Highly Reactive Hemeâ€“Thiolate Peroxygenase Compound I. Journal of the American Chemical Society, 2012, 134, 12897-12900.	13.7	114
50	Catalytic peroxynitrite decomposition improves reperfusion injury after heart transplantation. Journal of Thoracic and Cardiovascular Surgery, 2012, 143, 1443-1449.	0.8	18
51	Alkane-oxidizing metalloenzymes in the carbon cycle. Metallomics, 2011, 3, 775.	2.4	74
52	Single Vesicle Observations of the Cardiolipinâ^'CytochromecInteraction: Induction of Membrane Morphology Changes. Langmuir, 2011, 27, 6107-6115.	3.5	62
53	Dissection of the Mechanism of Manganese Porphyrin-Catalyzed Chlorine Dioxide Generation. Inorganic Chemistry, 2011, 50, 10353-10362.	4.0	40
54	Molecular probes of the mechanism of cytochrome P450. Oxygen traps a substrate radical intermediate. Archives of Biochemistry and Biophysics, 2011, 507, 111-118.	3.0	42

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55	Selective hydroxylation of alkanes by an extracellular fungal peroxygenase. FEBS Journal, 2011, 278, 3667-3675.	4.7	124
56	Chemistry in the Center for Catalytic Hydrocarbon Functionalization: An Energy Frontier Research Center. Catalysis Letters, 2011, 141, 213-221.	2.6	35
57	Catalytic Generation of Chlorine Dioxide from Chlorite Using a Waterâ€Soluble Manganese Porphyrin. Angewandte Chemie - International Edition, 2011, 50, 695-698.	13.8	53
58	Mechanisms of Peroxynitrite Interactions with Heme Proteins. Inorganic Chemistry, 2010, 49, 6317-6329.	4.0	79
59	A â€œPushâ^'Pullâ€•Mechanism for Heterolytic Oâ^'O Bond Cleavage in Hydroperoxo Manganese Porphyrins. Inorganic Chemistry, 2010, 49, 11516-11524.	4.0	90
60	Peroxynitrite Mediates Active Site Tyrosine Nitration in Manganese Superoxide Dismutase. Evidence of a Role for the Carbonate Radical Anion. Journal of the American Chemical Society, 2010, 132, 17174-17185.	13.7	80
61	Manganese Porphyrins Catalyze Selective Câ^'H Bond Halogenations. Journal of the American Chemical Society, 2010, 132, 12847-12849.	13.7	273
62	A Highly Reactive P450 Model Compound I. Journal of the American Chemical Society, 2009, 131, 9640-9641.	13.7	172
63	Direct Detection of the Oxygen Rebound Intermediates, Ferryl Mb and NO₂, in the Reaction of metMyoglobin with Peroxynitrite. Journal of the American Chemical Society, 2009, 131, 12979-12988.	13.7	64
64	Cage Escape Competes with Geminate Recombination during Alkane Hydroxylation by the Diiron Oxygenase AlkB. Angewandte Chemie - International Edition, 2008, 47, 5232-5234.	13.8	36
65	Nitrosative stress and peripheral diabetic neuropathy in leptin-deficient (ob/ob) mice. Experimental Neurology, 2007, 205, 425-436.	4.1	61
66	A Conformational Switch to Î²-Sheet Structure in Cytochrome c Leads to Heme Exposure. Implications for Cardiolipin Peroxidation and Apoptosis. Journal of the American Chemical Society, 2007, 129, 504-505.	13.7	59
67	Radical Intermediates in Monooxygenase Reactions of Rieske Dioxygenases. Journal of the American Chemical Society, 2007, 129, 3514-3515.	13.7	105
68	Trans-dioxo Manganese(V) Porphyrins. Journal of the American Chemical Society, 2007, 129, 12416-12417.	13.7	144
69	Role of nitrosative stress in early neuropathy and vascular dysfunction in streptozotocin-diabetic rats. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1645-E1655.	3.5	107
70	Profiling Mechanisms of Alkane Hydroxylase Activity In Vivo Using the Diagnostic Substrate Norcarane. Chemistry and Biology, 2007, 14, 165-172.	6.0	31
71	Modeling the haloperoxidases: Reversible oxygen atom transfer between bromide ion and an oxo-Mn(V) porphyrin. Journal of Inorganic Biochemistry, 2007, 101, 1786-1797.	3.5	49
72	A peroxynitrite decomposition catalyst counteracts sensory neuropathy in streptozotocin-diabetic mice. European Journal of Pharmacology, 2007, 569, 48-58.	3.5	86

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73	The peroxynitrite decomposition catalyst FP15 improves ageing-associated cardiac and vascular dysfunction. Mechanisms of Ageing and Development, 2007, 128, 173-181.	4.6	54
74	Electronic Structure and Reactivity of Isomeric Oxo-Mn(V) Porphyrins:Â Effects of Spin-State Crossing and pKaModulation. Inorganic Chemistry, 2006, 45, 4268-4276.	4.0	107
75	Mechanistic studies of an unusual epoxide-forming elimination of a Î²-hydroxyalkyl rhodium porphyrin. Chemical Communications, 2006, , 549-551.	4.1	14
76	Fast Catalytic Hydroxylation of Hydrocarbons with Ruthenium Porphyrins. Inorganic Chemistry, 2006, 45, 4769-4782.	4.0	86
77	Enzymatic Tailoring of Enterobactin Alters Membrane Partitioning and Iron Acquisition. ACS Chemical Biology, 2006, 1, 29-32.	3.4	48
78	High-valent iron in chemical and biological oxidations. Journal of Inorganic Biochemistry, 2006, 100, 434-447.	3.5	565
79	The Diagnostic Substrate Bicyclohexane Reveals a Radical Mechanism for Bacterial Cytochrome P450 in Whole Cells. Angewandte Chemie - International Edition, 2006, 45, 8192-8194.	13.8	33
80	RETROSPECTIVE: Edward I. Stiefel (1942-2006). Science, 2006, 314, 1406-1406.	12.6	1
81	Dynamics of Carbon Monoxide Binding to Cystathionine Î²-Synthase. Journal of Biological Chemistry, 2006, 281, 13433-13438.	3.4	74
82	Synthesis and structural modeling of the amphiphilic siderophore rhizobactin-1021 and its analogs. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3771-3774.	2.2	7
83	Mycobactin-mediated iron acquisition within macrophages. , 2005, 1, 149-153.		123
84	Reaction mechanisms of non-heme diiron hydroxylases characterized in whole cells. Journal of Inorganic Biochemistry, 2005, 99, 1998-2006.	3.5	49
85	Membrane Dynamics of the Amphiphilic Siderophore, Acinetoferrin. Journal of the American Chemical Society, 2005, 127, 1726-1736.	13.7	36
86	Models and Mechanisms of Cytochrome P450 Action. , 2005, , 1-43.		77
87	Role for nitrosative stress in diabetic neuropathy: evidence from studies with a peroxynitrite decomposition catalyst. FASEB Journal, 2005, 19, 1-21.	0.5	138
88	Dynamics of Carbon Monoxide Binding to CooA. Journal of Biological Chemistry, 2004, 279, 21096-21108.	3.4	62
89	Host-guest interactions of cyclodextrins and metalloporphyrins: supramolecular building blocks toward artificial heme proteins. Journal of Porphyrins and Phthalocyanines, 2004, 08, 125-140.	0.8	12
90	Anti-Markovnikov Hydrofunctionalization of Olefins Mediated by Rhodiumâ€“Porphyrin Complexes. Angewandte Chemie - International Edition, 2004, 43, 588-590.	13.8	58

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91	anti-Markovnikov Hydrofunctionalization of Olefins Mediated by Rhodium-Porphyrin Complexes.. ChemInform, 2004, 35, no.	0.0	0
92	Synthesis, Structure, and Molecular Dynamics of Gallium Complexes of Schizokinen and the Amphiphilic Siderophore Acinetoferrin. Journal of the American Chemical Society, 2004, 126, 12065-12075.	13.7	32
93	Remarkable Aliphatic Hydroxylation by the Diiron Enzyme Toluene 4-Monooxygenase in Reactions with Radical or Cation Diagnostic Probes Norcarane, 1,1-Dimethylcyclopropane, and 1,1-Diethylcyclopropaneâ€. Biochemistry, 2004, 43, 15688-15701.	2.5	35
94	Xylene monooxygenase, a membrane-spanning non-heme diiron enzyme that hydroxylates hydrocarbons via a substrate radical intermediate. Journal of Biological Inorganic Chemistry, 2003, 8, 733-740.	2.6	35
95	Hemodextrin: a self-assembled cyclodextrinâ€“porphyrin construct that binds dioxygen. Biophysical Chemistry, 2003, 105, 639-648.	2.8	20
96	Zinc-Coordination Oligomers of Phenanthrolinylporphyrins. Organic Letters, 2003, 5, 1829-1832.	4.6	12
97	Potent Metalloporphyrin Peroxynitrite Decomposition Catalyst Protects Against the Development of Doxorubicin-Induced Cardiac Dysfunction. Circulation, 2003, 107, 896-904.	1.6	263
98	The bioinorganic chemistry of iron in oxygenases and supramolecular assemblies. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3569-3574.	7.1	312
99	Synthesis of Trithiolanes and Tetrathianes from Thiiranes Catalyzed by Ruthenium Salen Nitrosyl Complexes. Journal of the American Chemical Society, 2002, 124, 4770-4778.	13.7	30
100	Revisiting the Mechanism of P450 Enzymes with the Radical Clocks Norcarane and Spiro[2,5]octane. Journal of the American Chemical Society, 2002, 124, 6020-6027.	13.7	148
101	Membrane Affinity of the Amphiphilic Marinobactin Siderophores. Journal of the American Chemical Society, 2002, 124, 13408-13415.	13.7	70
102	Part I: Pathogenetic Role of Peroxynitrite in the Development of Diabetes and Diabetic Vascular Complications: Studies With FP15, A Novel Potent Peroxynitrite Decomposition Catalyst. Molecular Medicine, 2002, 8, 571-580.	4.4	162
103	Mechanisms of Peroxynitrite Decomposition Catalyzed by FeTMPS, a Bioactive Sulfonated Iron Porphyrin. Archives of Biochemistry and Biophysics, 2001, 387, 307-317.	3.0	92
104	Intermediate Q from Soluble Methane Monooxygenase Hydroxylates the Mechanistic Substrate Probe Norcarane:Â Evidence for a Stepwise Reaction. Journal of the American Chemical Society, 2001, 123, 11831-11837.	13.7	85
105	Continuous Crystalline Carbonate Apatite Thin Films. A Biomimetic Approach. Journal of the American Chemical Society, 2001, 123, 2196-2203.	13.7	178
106	Myoglobin Catalyzes Its Own Nitration. Journal of the American Chemical Society, 2001, 123, 5142-5143.	13.7	87
107	Mn(II)â^'Texaphyrin as a Catalyst for the Decomposition of Peroxynitrite. Journal of the American Chemical Society, 2001, 123, 3613-3614.	13.7	64
108	Chameleon States: High-Valent Metal-Oxo Species of Cytochrome P450 and Its Ruthenium Analogue. Angewandte Chemie - International Edition, 2001, 40, 2874-2878.	13.8	114

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109	Chameleon States: High-Valent Metal-Oxo Species of Cytochrome P450 and its Ruthenium Analogue The research in HU was sponsored by the Binational German Israeli Foundation (GIF) and by the Israeli Ministry of Science, Culture and Sport. Partial support by the US National Science Foundation (CHE-9814301) to J.T.G. is acknowledged. F.O. thanks the EU for a Marie Curie Fellowship.. Angewandte Chemie - International Edition, 2001, 40, 2874-2878.	13.8	16
110	Reactivity and mechanisms of metalloporphyrin-catalyzed oxidations. Journal of Porphyrins and Phthalocyanines, 2000, 04, 350-352.	0.8	87
111	Rapid, Reversible Oxygen Atom Transfer between an Oxomanganese(V) Porphyrin and Bromide: A Haloperoxidase Mimic with Enzymatic Rates. Angewandte Chemie - International Edition, 2000, 39, 3849-3851.	13.8	107
112	Nitric oxide synthase: models and mechanisms. Current Opinion in Chemical Biology, 2000, 4, 687-695.	6.1	191
113	An Amorphous to Crystalline Transition in the Formation of CaCO3Thin Films. Microscopy and Microanalysis, 2000, 6, 1072-1073.	0.4	0
114	Biomimetic Oxygenations Related to Cytochrome P450: Metal-Oxo and Metal-Peroxo Intermediates. , 2000, , 91-169.		106
115	The Non-Heme Diiron Alkane Monooxygenase of Pseudomonas oleovorans (AlkB) Hydroxylates via a Substrate Radical Intermediate. Journal of the American Chemical Society, 2000, 122, 11747-11748.	13.7	77
116	Langmuirâ"Blodgett Films of Regioregular Poly(3-hexylthiophene) as Field-Effect Transistors. Langmuir, 2000, 16, 1834-1841.	3.5	175
117	Reactivity and mechanisms of metalloporphyrinâ€•catalyzed oxidations. Journal of Porphyrins and Phthalocyanines, 2000, 4, 350-352.	0.8	2
118	Peroxynitrite: reactive, invasive and enigmatic. Current Opinion in Chemical Biology, 1999, 3, 226-235.	6.1	203
119	Unusual Kinetic Stability of a Ground-State Singlet Oxomanganese(V) Porphyrin. Evidence for a Spin State Crossing Effect. Journal of the American Chemical Society, 1999, 121, 2923-2924.	13.7	240
120	Models of Nitric Oxide Synthase:Â Iron(III) Porphyrin-Catalyzed Oxidation of Fluorenone Oxime to Nitric Oxide and Fluorenone. Journal of the American Chemical Society, 1999, 121, 12094-12103.	13.7	41
121	Paramagnetic1H-NMR relaxation probes of stereoselectivity in metalloporphyrin catalyzed olefin epoxidation. Chirality, 1998, 10, 106-119.	2.6	18
122	Manganese Porphyrins as Redox-Coupled Peroxynitrite Reductases. Journal of the American Chemical Society, 1998, 120, 6053-6061.	13.7	162
123	Biomimetic Synthesis of Macroscopic-Scale Calcium Carbonate Thin Films. Evidence for a Multistep Assembly Process. Journal of the American Chemical Society, 1998, 120, 11977-11985.	13.7	277
124	Mechanisms of Iron Porphyrin Reactions with Peroxynitrite. Journal of the American Chemical Society, 1998, 120, 7493-7501.	13.7	171
125	Rapid catalytic oxygenation of hydrocarbons with perhalogenated ruthenium porphyrin complexes. Studies in Surface Science and Catalysis, 1997, 110, 865-872.	1.5	7
126	Porphyrin Amphiphiles as Templates for the Nucleation of Calcium Carbonate. Journal of the American Chemical Society, 1997, 119, 5449-5450.	13.7	82

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127	Detection and Characterization of an Oxomanganese(V) Porphyrin Complex by Rapid-Mixing Stopped-Flow Spectrophotometry. Journal of the American Chemical Society, 1997, 119, 6269-6273.	13.7	418
128	The importance of being selective. Nature, 1997, 389, 329-330.	27.8	30
129	Amphiphilic peroxynitrite decomposition catalysts in liposomal assemblies. Chemistry and Biology, 1997, 4, 845-858.	6.0	50
130	Rapid decomposition of peroxynitrite by manganese porphyrin-antioxidant redox couples. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 2913-2918.	2.2	73
131	Flavins Inhibit Human Cytomegalovirus UL80 Protease via Disulfide Bond Formationâ€. Biochemistry, 1996, 35, 5847-5855.	2.5	38
132	Multi-Heme Self-Assembly in Phospholipid Vesicles. Journal of the American Chemical Society, 1996, 118, 2347-2358.	13.7	88
133	Rapid Catalytic Oxygenation of Hydrocarbons by Ruthenium Pentafluorophenylporphyrin Complexes:Â Evidence for the Involvement of a Ru(III) Intermediate. Journal of the American Chemical Society, 1996, 118, 8961-8962.	13.7	162
134	Designed double-strand DNA cleavage with chelate-appended porphyrins. Bioorganic and Medicinal Chemistry Letters, 1996, 6, 1595-1600.	2.2	9
135	Nitrous Oxide Activation by a Ruthenium Porphyrin. Journal of the American Chemical Society, 1995, 117, 5594-5595.	13.7	108
136	Peroxynitrite-Induced DNA Strand Scission Mediated by a Manganese Porphyrin. Journal of the American Chemical Society, 1995, 117, 9578-9579.	13.7	100
137	A general method for coupling unprotected peptides to bromoacetamido porphyrin templates. Tetrahedron Letters, 1994, 35, 6191-6194.	1.4	23
138	Preparation and Reactivity of Oxoiron(IV) Porphyrins. Inorganic Chemistry, 1994, 33, 5065-5072.	4.0	240
139	Directed Multi-Heme Self-Assembly and Electron Transfer in a Model Membrane. Journal of the American Chemical Society, 1994, 116, 5477-5478.	13.7	22
140	Intercalation of aminophenyl- and pyridinium-substituted porphyrins into zirconium hydrogen phosphate: evidence for substituent-derived orientational selectivity. Inorganic Chemistry, 1993, 32, 4509-4516.	4.0	41
141	Sequence-specific cleavage of DNA by oligonucleotide-bound metal complexes. Inorganic Chemistry, 1993, 32, 3868-3872.	4.0	53
142	9 Molecular Mechanism of Oxygen Activation by P-450. The Enzymes, 1992, , 405-452.	1.7	30
143	Tetraphilin: a four-helix proton channel built on a tetraphenylporphyrin framework. Journal of the American Chemical Society, 1992, 114, 9656-9657.	13.7	151
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145	Co-ordination of styrene oxide to a sterically hindered ruthenium(II) porphyrin. Journal of the Chemical Society Chemical Communications, 1990, , 436.	2.0	42
146	Biocompatible catalysis. Enzymic reduction of metalloporphyrin catalysts in phospholipid bilayers. Journal of the American Chemical Society, 1990, 112, 7796-7797.	13.7	36
147	Asymmetric hydroxylation, epoxidation, and sulfoxidation catalyzed by vaulted binaphthyl metalloporphyrins. Journal of Organic Chemistry, 1990, 55, 3628-3634.	3.2	347
148	Asymmetric hydroxylation by a chiral iron porphyrin. Journal of the American Chemical Society, 1989, 111, 8537-8538.	13.7	214
149	Regioselective oxidation catalysis in synthetic phospholipid vesicles. Membrane-spanning steroidal metalloporphyrins. Journal of the American Chemical Society, 1989, 111, 2900-2909.	13.7	160
150	DNA cleavage by a metal chelating tricationic porphyrin. Journal of the American Chemical Society, 1989, 111, 4998-5000.	13.7	40
151	Models of zinc-containing proteases. Catalysis of cobalt(III)-mediated amide hydrolysis by a pendant carboxylate. Journal of the American Chemical Society, 1989, 111, 5442-5448.	13.7	65
152	Hindered rotation of axially coordinated 2-methylimidazoles in tetramesitylporphyrinato-iron(III) complexes. Tetrahedron, 1988, 44, 3225-3230.	1.9	40
153	Cis-trans isomerization of epoxides catalyzed by ruthenium(II) porphyrins. Journal of the American Chemical Society, 1988, 110, 4217-4220.	13.7	59
154	Reactive iron porphyrin derivatives related to the catalytic cycles of cytochrome P-450 and peroxidase. Studies of the mechanism of oxygen activation. Journal of the American Chemical Society, 1988, 110, 8443-8452.	13.7	318
155	Synthesis, characterization, and reactivity of oxomanganese(IV) porphyrin complexes. Journal of the American Chemical Society, 1988, 110, 8628-8638.	13.7	285
156	Enzymic regioselectivity in the hydroxylation of cholesterol catalyzed by a membrane-spanning metalloporphyrin. Journal of Organic Chemistry, 1988, 53, 3891-3893.	3.2	69
157	Oxomanganese(IV) porphyrins identified by resonance Raman and infrared spectroscopy. Weak bonds and the stability of the half-filled t2g subshell. Journal of the American Chemical Society, 1988, 110, 4158-4165.	13.7	172
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