Kenneth D Karlin

List of Publications by Year
in descending order

311 papers	23,632 citations	6592 79 h-index	14156 128 g-index
398 all docs	398 docs citations	398 times ranked	14546 citing authors

#	Article	IF	Citations
1	End-On Copper(I) Superoxo and Cu(II) Peroxo and Hydroperoxo Complexes Generated by Cryoreduction/Annealing and Characterized by EPR/ENDOR Spectroscopy. Journal of the American Chemical Society, 2022, 144, 377-389.	6.6	17
2	Concluding remarks: discussion on natural and artificial enzymes including synthetic models. Faraday Discussions, 2022, 234, 388-404.	1.6	0
3	Ferric Heme Superoxide Reductive Transformations to Ferric Heme (Hydro)Peroxide Species: Spectroscopic Characterization and Thermodynamic Implications for Hâ€Atom Transfer (HAT). Angewandte Chemie - International Edition, 2021, 60, 5907-5912.	7.2	10
4	Ferric Heme Superoxide Reductive Transformations to Ferric Heme (Hydro)Peroxide Species: Spectroscopic Characterization and Thermodynamic Implications for Hâ€Atom Transfer (HAT). Angewandte Chemie, 2021, 133, 5972-5977.	1.6	1
5	A Thioether-Ligated Cupric Superoxide Model with Hydrogen Atom Abstraction Reactivity. Journal of the American Chemical Society, 2021, 143, 3707-3713.	6.6	23
6	Proton Relay in Iron Porphyrins for Hydrogen Evolution Reaction. Inorganic Chemistry, 2021, 60, 13876-13887.	1.9	26
7	Heme-Fe^{III} Superoxide, Peroxide and Hydroperoxide Thermodynamic Relationships: Fe^{III}-O₂^{â€â€“} Complex H-Atom Abstraction Reactivity. Journal of the American Chemical Society, 2020, 142, 3104-3116.	6.6	40
8	Copper Enzymes Involved in Multi-Electron Processes. , 2020, , 524-524.		0
9	KÎ² X-ray Emission Spectroscopy as a Probe of Cu(I) Sites: Application to the Cu(I) Site in Preprocessed Galactose Oxidase. Inorganic Chemistry, 2020, 59, 16567-16581.	1.9	10
10	Direct Resonance Raman Characterization of a Peroxynitrito Copper Complex Generated from O 2 and NO and Mechanistic Insights into Metalâ€Mediated Peroxynitrite Decomposition. Angewandte Chemie, 2019, 131, 11052-11056.	1.6	1
11	Enhanced Rates of Câ€“H Bond Cleavage by a Hydrogen-Bonded Synthetic Heme High-Valent Iron(IV) Oxo Complex. Journal of the American Chemical Society, 2019, 141, 12558-12569.	6.6	39
12	Ligand Identity-Induced Generation of Enhanced Oxidative Hydrogen Atom Transfer Reactivity for a CuII2(O2â€¢â€“) Complex Driven by Formation of a CuII2(â^OOH) Compound with a Strong Oâ€“H Bond. Journal of the American Chemical Society, 2019, 141, 12682-12696.	6.6	28
13	Copper(I) Complex Mediated Nitric Oxide Reductive Coupling: Ligand Hydrogen Bonding Derived Proton Transfer Promotes N₂O_(g) Release. Journal of the American Chemical Society, 2019, 141, 17962-17967.	6.6	20
14	Impact of Intramolecular Hydrogen Bonding on the Reactivity of Cupric Superoxide Complexes with Oâ^H and Câ^H Substrates. Angewandte Chemie, 2019, 131, 17736-17740.	1.6	2
15	Impact of Intramolecular Hydrogen Bonding on the Reactivity of Cupric Superoxide Complexes with Oâ^H and Câ^H Substrates. Angewandte Chemie - International Edition, 2019, 58, 17572-17576.	7.2	28
16	Dimethylanilinic N-Oxides and Their Oxygen Surrogacy Role in the Formation of a Putative High-Valent Copperâ€“Oxygen Species. Inorganic Chemistry, 2019, 58, 13746-13750.	1.9	9
17	Hemeâ€“Cu Binucleating Ligand Supports Heme/O2and FeIIâ€“CuI/O2Reactivity Providing High- and Low-Spin FeIIIâ€“Peroxoâ€“CuIIComplexes. Inorganic Chemistry, 2019, 58, 15423-15432.	1.9	8
18	Influence of intramolecular secondary sphere hydrogen-bonding interactions on cytochrome c oxidase inspired low-spin hemeâ€“peroxoâ€“copper complexes. Chemical Science, 2019, 10, 2893-2905.	3.7	20

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19	Formation and Reactivity of New Isoporphyrins: Implications for Understanding the Tyr-His Cross-Link Cofactor Biogenesis in Cytochrome c Oxidase. Journal of the American Chemical Society, 2019, 141, 10632-10643.	6.6	21
20	Direct Resonance Raman Characterization of a Peroxynitrito Copper Complex Generated from O₂ and NO and Mechanistic Insights into Metalâ€Mediated Peroxynitrite Decomposition. Angewandte Chemie - International Edition, 2019, 58, 10936-10940.	7.2	19
21	Spin Interconversion of Heme-Peroxo-Copper Complexes Facilitated by Intramolecular Hydrogen-Bonding Interactions. Journal of the American Chemical Society, 2019, 141, 4936-4951.	6.6	13
22	Tuning the Geometric and Electronic Structure of Synthetic High-Valent Heme Iron(IV)-Oxo Models in the Presence of a Lewis Acid and Various Axial Ligands. Journal of the American Chemical Society, 2019, 141, 5942-5960.	6.6	54
23	Unprecedented direct cupric-superoxo conversion to a bis-Î¼-oxo dicopper(III) complex and resulting oxidative activity. Inorganica Chimica Acta, 2019, 485, 155-161.	1.2	4
24	Synthetic Fe/Cu Complexes: Toward Understanding Heme-Copper Oxidase Structure and Function. Chemical Reviews, 2018, 118, 10840-11022.	23.0	166
25	Intramolecular Hydrogen Bonding Enhances Stability and Reactivity of Mononuclear Cupric Superoxide Complexes. Journal of the American Chemical Society, 2018, 140, 9042-9045.	6.6	70
26	A mononuclear nonheme {FeNO}⁶ complex: synthesis and structural and spectroscopic characterization. Chemical Science, 2018, 9, 6952-6960.	3.7	11
27	Substrate and Lewis Acid Coordination Promote Oâ€“O Bond Cleavage of an Unreactive L₂Cu^{II}₂(O₂^{2â€“}) Species to Form L₂Cu^{III}₂(O)₂ Cores with Enhanced Oxidative Reactivity. Journal of the American Chemical Society, 2017, 139, 3186-3195.	6.6	50
28	Activation of dioxygen by copper metalloproteins and insights from model complexes. Journal of Biological Inorganic Chemistry, 2017, 22, 253-288.	1.1	173
29	Phenol-Induced Oâ€“O Bond Cleavage in a Low-Spin Hemeâ€“Peroxoâ€“Copper Complex: Implications for O₂ Reduction in Hemeâ€“Copper Oxidases. Journal of the American Chemical Society, 2017, 139, 7958-7973.	6.6	43
30	Critical Aspects of Hemeâ€“Peroxoâ€“Cu Complex Structure and Nature of Proton Source Dictate Metalâ€“O_{peroxo} Breakage versus Reductive Oâ€“O Cleavage Chemistry. Journal of the American Chemical Society, 2017, 139, 472-481.	6.6	38
31	Direct Determination of Electronâ€Transfer Properties of Dicopperâ€Bound Reduced Dioxygen Species by a Cryoâ€Spectroelectrochemical Approach.. Chemistry - A European Journal, 2017, 23, 18314-18319.	1.7	12
32	A Six-Coordinate Peroxynitrite Low-Spin Iron(III) Porphyrinate Complexâ€”The Product of the Reaction of Nitrogen Monoxide (Â·NO_(g)) with a Ferric-Superoxide Species. Journal of the American Chemical Society, 2017, 139, 17421-17430.	6.6	40
33	Copper(I)/NO_(g) Reductive Coupling Producing a trans-Hyponitrite Bridged Dicopper(II) Complex: Redox Reversal Giving Copper(I)/NO_(g) Disproportionation. Journal of the American Chemical Society, 2017, 139, 13276-13279.	6.6	46
34	A Peroxynitrite Dicopper Complex: Formation via Cuâ€“NO and Cuâ€“O2Intermediates and Reactivity via Oâ€“O Cleavage Chemistry. Journal of the American Chemical Society, 2016, 138, 16148-16158.	6.6	27
35	Peroxo and Superoxo Moieties Bound to Copper Ion: Electron-Transfer Equilibrium with a Small Reorganization Energy. Journal of the American Chemical Society, 2016, 138, 7055-7066.	6.6	52
36	Factors That Control the Reactivity of Cobalt(III)â€“Nitrosyl Complexes in Nitric Oxide Transfer and Dioxygenation Reactions: A Combined Experimental and Theoretical Investigation. Journal of the American Chemical Society, 2016, 138, 7753-7762.	6.6	36

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37	Mechanistic Insight into the Nitric Oxide Dioxygenation Reaction of Nonheme Iron(III)â€“Superoxo and Manganese(IV)â€“Peroxo Complexes. Angewandte Chemie, 2016, 128, 12591-12595.	1.6	5
38	Mechanistic Insight into the Nitric Oxide Dioxygenation Reaction of Nonheme Iron(III)â€“Superoxo and Manganese(IV)â€“Peroxo Complexes. Angewandte Chemie - International Edition, 2016, 55, 12403-12407.	7.2	23
39	Copper(I)â€Dioxygen Adducts and Copper Enzyme Mechanisms. Israel Journal of Chemistry, 2016, 56, 738-755.	1.0	57
40	Isocyanide or nitrosyl complexation to hemes with varying tethered axial base ligand donors: synthesis and characterization. Journal of Biological Inorganic Chemistry, 2016, 21, 729-743.	1.1	8
41	Dioxygen Activation by a Macrocyclic Copper Complex Leads to a Cu₂O₂ Core with Unexpected Structure and Reactivity. Chemistry - A European Journal, 2016, 22, 5133-5137.	1.7	25
42	One-step selective hydroxylation of benzene to phenol with hydrogen peroxide catalysed by copper complexes incorporated into mesoporous silicaâ€“alumina. Chemical Science, 2016, 7, 2856-2863.	3.7	106
43	Laser-Induced Dynamics of Peroxodicopper(II) Complexes Vary with the Ligand Architecture. One-Photon Two-Electron O₂ Ejection and Formation of Mixed-Valent Cu^ICu^{II}â€“Superoxide Intermediates. Journal of the American Chemical Society, 2015, 137, 15865-15874.	6.6	21
44	Lewis Acid-Induced Change from Four- to Two-Electron Reduction of Dioxygen Catalyzed by Copper Complexes Using Scandium Triflate. Journal of the American Chemical Society, 2015, 137, 3330-3337.	6.6	52
45	A N₃S_(thioether)-Ligated Cu^{II}-Superoxo with Enhanced Reactivity. Journal of the American Chemical Society, 2015, 137, 2796-2799.	6.6	66
46	A â€œNakedâ€•FeIII-(O22â€“)-CuII Species Allows for Structural and Spectroscopic Tuning of Low-Spin Heme-Peroxo-Cu Complexes. Journal of the American Chemical Society, 2015, 137, 1032-1035.	6.6	36
47	Amine Oxidative N-Dealkylation via Cupric Hydroperoxide Cu-OOH Homolytic Cleavage Followed by Site-Specific Fenton Chemistry. Journal of the American Chemical Society, 2015, 137, 2867-2874.	6.6	100
48	Reactions of a heme-superoxo complex toward a cuprous chelate and â€¢NO_(g):CcOand NOD chemistry. Journal of Porphyrins and Phthalocyanines, 2015, 19, 352-360.	0.4	13
49	Nitrogen Oxide Atom-Transfer Redox Chemistry; Mechanism of NO_(g) to Nitrite Conversion Utilizing Î¼-oxo Heme-Fe^{III}â€“Oâ€“Cu^{II}(L) Constructs. Journal of the American Chemical Society, 2015, 137, 6602-6615.	6.6	27
50	Reactions of Co(III)â€“Nitrosyl Complexes with Superoxide and Their Mechanistic Insights. Journal of the American Chemical Society, 2015, 137, 4284-4287.	6.6	38
51	Elaboration of copperâ€“oxygen mediated Câ€“H activation chemistry in consideration of future fuel and feedstock generation. Current Opinion in Chemical Biology, 2015, 25, 184-193.	2.8	102
52	Electrocatalytic O₂-Reduction by Synthetic Cytochrome c Oxidase Mimics: Identification of a â€œBridging Peroxoâ€•Intermediate Involved in Facile 4e^{â€“}/4H⁺ O₂-Reduction. Journal of the American Chemical Society, 2015, 137, 12897-12905.	6.6	100
53	Synthetic Heme/Copper Assemblies: Toward an Understanding of Cytochrome c Oxidase Interactions with Dioxygen and Nitrogen Oxides. Accounts of Chemical Research, 2015, 48, 2462-2474.	7.6	89
54	Cumulative Index, Volumes 1-59. Progress in Inorganic Chemistry, 2014, , 561-584.	3.0	0

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55	Wiley End User License Agreement. Progress in Inorganic Chemistry, 2014, , a-a.	3.0	0
56	Observation of a Cu^{II}₂(Î¼â€1,2â€peroxo)/Cu^{III}₂(Î¼â€oxo)₂ Equilibrium and its Implications for Copperâ€“Dioxygen Reactivity. Angewandte Chemie - International Edition, 2014, 53, 4935-4939.	7.2	53
57	Tuning of the Copperâ€“Thioether Bond in Tetradentate N₃S_(thioether) Ligands; Oâ€“O Bond Reductive Cleavage via a [Cu^{II}₂(Î¼-1,2-peroxo)]²⁺/[Cu^{III}₂(Î¼-oxo)₂]²⁺ Equilibrium. Journal of the American Chemical Society, 2014, 136, 8063-8071.	6.6	32
58	Mechanistic Insights into the Oxidation of Substituted Phenols via Hydrogen Atom Abstraction by a Cupricâ€“Superoxo Complex. Journal of the American Chemical Society, 2014, 136, 9925-9937.	6.6	125
59	Copperâ€“Peptide Complex Structure and Reactivity When Found in Conserved His-X_{aa}-His Sequences. Journal of the American Chemical Society, 2014, 136, 12532-12535.	6.6	29
60	A Selective Stepwise Heme Oxygenase Model System: An Iron(IV)-Oxo Porphyrin Ï€-Cation Radical Leads to a Verdoheme-Type Compound via an Isoporphyrin Intermediate. Journal of the American Chemical Society, 2013, 135, 16248-16251.	6.6	38
61	Correlation of the Electronic and Geometric Structures in Mononuclear Copper(II) Superoxide Complexes. Inorganic Chemistry, 2013, 52, 12872-12874.	1.9	45
62	L-Edge X-ray Absorption Spectroscopy and DFT Calculations on Cu₂O₂ Species: Direct Electrophilic Aromatic Attack by Side-on Peroxo Bridged Dicopper(II) Complexes. Journal of the American Chemical Society, 2013, 135, 17417-17431.	6.6	50
63	Reactions of a Chromium(III)-Superoxo Complex and Nitric Oxide That Lead to the Formation of Chromium(IV)-Oxo and Chromium(III)-Nitrito Complexes. Journal of the American Chemical Society, 2013, 135, 14900-14903.	6.6	49
64	New hemeâ€“dioxygen and carbon monoxide adducts using pyridyl or imidazolyl tailed porphyrins. Polyhedron, 2013, 58, 190-196.	1.0	12
65	Enhanced Catalytic Four-Electron Dioxygen (O₂) and Two-Electron Hydrogen Peroxide (H₂O₂) Reduction with a Copper(II) Complex Possessing a Pendant Ligand Pivalamido Group. Journal of the American Chemical Society, 2013, 135, 6513-6522.	6.6	98
66	Temperature-Independent Catalytic Two-Electron Reduction of Dioxygen by Ferrocenes with a Copper(II) Tris[2-(2-pyridyl)ethyl]amine Catalyst in the Presence of Perchloric Acid. Journal of the American Chemical Society, 2013, 135, 2825-2834.	6.6	68
67	Acid-Induced Mechanism Change and Overpotential Decrease in Dioxygen Reduction Catalysis with a Dinuclear Copper Complex. Journal of the American Chemical Society, 2013, 135, 4018-4026.	6.6	56
68	Stepwise Protonation and Electron-Transfer Reduction of a Primary Copperâ€“Dioxygen Adduct. Journal of the American Chemical Society, 2013, 135, 16454-16467.	6.6	74
69	Computational study of the activated O _H state in the catalytic mechanism of cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16844-16849.	3.3	56
70	Coordination Chemistry and Reactivity of a Cupric Hydroperoxide Species Featuring a Proximal H-Bonding Substituent. Inorganic Chemistry, 2012, 51, 12603-12605.	1.9	63
71	Heme/Copper Assembly Mediated Nitrite and Nitric Oxide Interconversion. Journal of the American Chemical Society, 2012, 134, 18912-18915.	6.6	44
72	Geometric and Electronic Structure of [{Cu(MeAN)}₂(Î¼-Î·²:Î·²(O₂^{2â€“}))]²⁺ with an Unusually Long Oâ€“O Bond: Oâ€“O Bond Weakening vs Activation for Reductive Cleavage. Journal of the American Chemical Society, 2012, 134, 8513-8524.	6.6	55

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73	Hydrogen peroxide as a sustainable energy carrier: Electrocatalytic production of hydrogen peroxide and the fuel cell. Electrochimica Acta, 2012, 82, 493-511.	2.6	245
74	Chromium(IV)â€“Peroxo Complex Formation and Its Nitric Oxide Dioxygenase Reactivity. Journal of the American Chemical Society, 2012, 134, 15269-15272.	6.6	71
75	Factors That Control Catalytic Two- versus Four-Electron Reduction of Dioxygen by Copper Complexes. Journal of the American Chemical Society, 2012, 134, 7025-7035.	6.6	84
76	Reversible dioxygen binding and arene hydroxylation reactions: Kinetic and thermodynamic studies involving ligand electronic and structural variations. Inorganica Chimica Acta, 2012, 389, 138-150.	1.2	11
77	Spectroscopic Elucidation of a New Heme/Copper Dioxygen Structure Type: Implications for Oâ‹…â‹…â‹…O Bond Rupture in Cytochromeâ€…c Oxidase. Angewandte Chemie - International Edition, 2012, 51, 168-172.	7.2	42
78	Spectroscopic and computational characterization of CuIIâ€“OOR (R = H or cumyl) complexes bearing a Me6-tren ligand. Dalton Transactions, 2011, 40, 2234.	1.6	39
79	Electronic Structure of a Low-Spin Heme/Cu Peroxide Complex: Spin-State and Spin-Topology Contributions to Reactivity. Inorganic Chemistry, 2011, 50, 11777-11786.	1.9	29
80	Cupric Superoxo-Mediated Intermolecular Câˆ’H Activation Chemistry. Journal of the American Chemical Society, 2011, 133, 1702-1705.	6.6	141
81	Homogeneous catalytic O2 reduction to water by a cytochrome c oxidase model with trapping of intermediates and mechanistic insights. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13990-13994.	3.3	102
82	One is Lonely and Three is a Crowd: Two Coppers Are for Methane Oxidation. Angewandte Chemie - International Edition, 2010, 49, 6714-6716.	7.2	85
83	Model offers intermediate insight. Nature, 2010, 463, 168-169.	13.7	43
84	Spectroscopic and Computational Studies of an End-on Bound Superoxo-Cu(II) Complex: Geometric and Electronic Factors That Determine the Ground State. Inorganic Chemistry, 2010, 49, 9450-9459.	1.9	102
85	CO and O₂ Binding to Pseudo-tetradentate Ligandâˆ’Copper(I) Complexes with a Variable N-Donor Moiety: Kinetic/Thermodynamic Investigation Reveals Ligand-Induced Changes in Reaction Mechanism. Journal of the American Chemical Society, 2010, 132, 12927-12940.	6.6	33
86	Bioinspired Heme, Heme/Nonheme Diiron, Heme/Copper, and Inorganic NOx Chemistry: â€¢NO_(g) Oxidation, Peroxynitriteâˆ’Metal Chemistry, and â€¢NO_(g) Reductive Coupling. Inorganic Chemistry, 2010, 49, 6267-6282.	1.9	95
87	Sulfur Donor Atom Effects on Copper(I)/O₂ Chemistry with Thioanisole Containing Tetradentate N₃S Ligand Leading to Î¼-1,2-Peroxo-Dicopper(II) Species. Inorganic Chemistry, 2010, 49, 8873-8885.	1.9	37
88	Hemeâˆ’Copperâˆ’Dioxygen Complexes: Toward Understanding Ligand-Environmental Effects on the Coordination Geometry, Electronic Structure, and Reactivity. Inorganic Chemistry, 2010, 49, 3629-3645.	1.9	66
89	Mononuclear Copper Complex-Catalyzed Four-Electron Reduction of Oxygen. Journal of the American Chemical Society, 2010, 132, 6874-6875.	6.6	127
90	Thioether S-ligation in a side-on Î¼-Î·²:Î·2-peroxodicopper(ii) complex. Chemical Communications, 2010, 46, 91-93.	2.2	29

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91	Reductive Coupling of Nitrogen Monoxide (â€¢NO) Facilitated by Heme/Copper Complexes. Inorganic Chemistry, 2010, 49, 1404-1419.	1.9	51
92	Cumulative Index, Volumes 1-56. Progress in Inorganic Chemistry, 2009, , 569-586.	3.0	0
93	A peroxynitrite complex of copper: formation from a copperâ€“nitrosyl complex, transformation to nitrite and exogenous phenol oxidative coupling or nitration. Journal of Biological Inorganic Chemistry, 2009, 14, 1301-1311.	1.1	52
94	Copperâ€“dioxygen complex mediated Câ€“H bond oxygenation: relevance for particulate methane monooxygenase (pMMO). Current Opinion in Chemical Biology, 2009, 13, 119-131.	2.8	212
95	Copper(I)/O₂ Chemistry with Imidazole Containing Tripodal Tetradentate Ligands Leading to Î¼-1,2-Peroxoâˆ'Dicopper(II) Species. Inorganic Chemistry, 2009, 48, 11297-11309.	1.9	47
96	Heme/O₂/â€¢NO Nitric Oxide Dioxygenase (NOD) Reactivity: Phenolic Nitration via a Putative Heme-Peroxynitrite Intermediate. Journal of the American Chemical Society, 2009, 131, 11304-11305.	6.6	67
97	Carbon Monoxide and Nitrogen Monoxide Ligand Dynamics in Synthetic Heme and Hemeâˆ'Copper Complex Systems. Journal of the American Chemical Society, 2009, 131, 13924-13925.	6.6	20
98	Heme-Copper Assembly Mediated Reductive Coupling of Nitrogen Monoxide (Â·NO). Journal of the American Chemical Society, 2009, 131, 450-451.	6.6	47
99	Reactions of a Copper(II) Superoxo Complex Lead to Cï£¿H and Oï£¿H Substrate Oxygenation: Modeling Copperâ€Monooxygenase Cï£¿H Hydroxylation. Angewandte Chemie - International Edition, 2008, 47, 82-85.	7.2	202
100	Structural Studies of Copper(I) Complexes of Amyloidâ€Î² Peptide Fragments: Formation of Twoâ€Coordinate Bis(histidine) Complexes. Angewandte Chemie - International Edition, 2008, 47, 9084-9087.	7.2	133
101	Cumulative Index, Volumes 1-55. Progress in Inorganic Chemistry, 2008, , 743-759.	3.0	0
102	Intermolecular versus intramolecular electron-/atom- (Cl) transfer in heme-iron and copper pyridylalkylamine complexes. Inorganica Chimica Acta, 2008, 361, 1100-1115.	1.2	3
103	Copper Dioxygen Adducts: Formation of Bis(Î¼-oxo)dicopper(III) versus (Î¼-1,2)Peroxodicopper(II) Complexes with Small Changes in One Pyridyl-Ligand Substituent. Inorganic Chemistry, 2008, 47, 3787-3800.	1.9	61
104	Copperâˆ'Hydroperoxo-Mediated N-Debenzylation Chemistry Mimicking Aspects of Copper Monooxygenases. Inorganic Chemistry, 2008, 47, 8736-8747.	1.9	59
105	Carbon Monoxide Coordination and Reversible Photodissociation in Copper(I) Pyridylalkylamine Compounds. Inorganic Chemistry, 2008, 47, 241-256.	1.9	41
106	Reaction of a Copperâˆ'Dioxygen Complex with Nitrogen Monoxide (â€¢NO) Leads to a Copper(II)âˆ'Peroxynitrite Species. Journal of the American Chemical Society, 2008, 130, 6700-6701.	6.6	78
107	Coordination Chemistry of Azacryptands. Progress in Inorganic Chemistry, 2007, , 167-316.	3.0	56
108	Organoimido Complexes of the Transition Metals. Progress in Inorganic Chemistry, 2007, , 239-482.	3.0	288

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109	The Chemistry of Peroxonitrites. Progress in Inorganic Chemistry, 2007, , 599-635.	3.0	57
110	Texaphyrins: Synthesis and Development of a Novel Class of Therapeutic Agents. Progress in Inorganic Chemistry, 2007, , 551-598.	3.0	40
111	Macrocyclic Polyamine Zinc(II) Complexes as Advanced Models for Zinc(II) Enzymes. Progress in Inorganic Chemistry, 2007, , 443-491.	3.0	86
112	Higher Oligopyridines as a Structural Motif in Metallosupramolecular Chemistry. Progress in Inorganic Chemistry, 2007, , 67-138.	3.0	153
113	The Chemistry of Nickel-Containing Enzymes. Progress in Inorganic Chemistry, 2007, , 493-597.	3.0	68
114	Langmuir-Blodgett Films of Transition Metal Complexes. Progress in Inorganic Chemistry, 2007, , 97-142.	3.0	2
115	Oxovanadium and Oxomolybdenum Clusters and Solids Incorporating Oxygen-Donor Ligands. Progress in Inorganic Chemistry, 2007, , 1-149.	3.0	131
116	The Influence of Ligands on Dirhodium(II) on Reactivity and Selectivity in Metal Carbene Reactions. Progress in Inorganic Chemistry, 2007, , 113-168.	3.0	63
117	Metal Phosphonate Chemistry. Progress in Inorganic Chemistry, 2007, , 371-510.	3.0	326
118	Copper(I), Lithium, and Magnesium Thiolate Complexes: An Overview with Due Mention of Selenolate and Tellurolate Analogues and Related Silver(I) and Gold(I) Species. Progress in Inorganic Chemistry, 2007, , 97-149.	3.0	30
119	Oxygen Activation Mechanism at the Binuclear Site of Heme-Copper Oxidase Superfamily as Revealed by Time-Resolved Resonance Raman Spectroscopy. Progress in Inorganic Chemistry, 2007, , 431-479.	3.0	50
120	Anion Binding and Recognition by Inorganic Based Receptors. Progress in Inorganic Chemistry, 2007, , 1-96.	3.0	88
121	Palladium Complex Catalyzed Oxidation Reactions. Progress in Inorganic Chemistry, 2007, , 483-576.	3.0	27
122	The Chemistry of Synthetic Fe-Mo-S Clusters and their Relevance to the Structure and Function of the Fe-Mo-S Center in Nitrogenase. Progress in Inorganic Chemistry, 2007, , 599-662.	3.0	45
123	The Coordination Chemistry of Phosphinines: Their Polydentate and Macrocyclic Derivatives. Progress in Inorganic Chemistry, 2007, , 455-550.	3.0	43
124	X-Ray Crystallography: A Fast, First-Resort Analytical Tool. Progress in Inorganic Chemistry, 2007, , 1-19.	3.0	106
125	Metal-Carbohydrate Complexes in Solution. Progress in Inorganic Chemistry, 2007, , 837-945.	3.0	55
126	Recent Trends in Metal Alkoxide Chemistry. Progress in Inorganic Chemistry, 2007, , 239-454.	3.0	83

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127	Hemeâ€“Copper/Dioxygen Adduct Formation, Properties, and Reactivity. Accounts of Chemical Research, 2007, 40, 563-572.	7.6	141
128	A Supramolecular Approach to Light Harvesting and Sensitization of Wide-Bandgap Semiconductors: Antenna Effects and Charge Separation. Progress in Inorganic Chemistry, 2007, , 1-95.	3.0	61
129	Molecular and Supramolecular Surface Modification of Nanocrystalline TiO2Films: Charge-Separating and Charge-Injecting Devices. Progress in Inorganic Chemistry, 2007, , 345-393.	3.0	50
130	Coordination Chemistry with Sterically Hindered Hydrotris(pyrazolyl)borate Ligands: Organometallic and Bioinorganic Perspectives. Progress in Inorganic Chemistry, 2007, , 419-531.	3.0	188
131	Synthesis and X-ray Absorption Spectroscopy Structural Studies of Cu(I) Complexes of HistidylHistidine Peptides:Â The Predominance of Linear 2-Coordinate Geometry. Journal of the American Chemical Society, 2007, 129, 5352-5353.	6.6	92
132	Copper(II)â^'Hydroperoxo Complex Induced Oxidative N-Dealkylation Chemistry. Journal of the American Chemical Society, 2007, 129, 6720-6721.	6.6	81
133	Ternary Transition Metal Sulfides. Progress in Inorganic Chemistry, 2007, , 139-237.	3.0	13
134	Generation and Characterization of [(P)Mâ^'(X)â^'Co(TMPA)]n+Assemblies; P = Porphyrinate, M = FeIIIand CoIII, X = O2-, OH-, O22-, and TMPA = Tris(2-pyridylmethyl)amine. Inorganic Chemistry, 2007, 46, 3017-3026.	1.9	23
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