

Peter C Ford

List of Publications by Year in descending order

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388
papers

22,691
citations

8755

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433
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433
docs citations

433
times ranked

12923
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoluminescence Properties of Multinuclear Copper(I) Compounds. <i>Chemical Reviews</i> , 1999, 99, 3625-3648.	47.7	1,097
2	Photochemical and photophysical properties of tetranuclear and hexanuclear clusters of metals with d10 and s2 electronic configurations. <i>Accounts of Chemical Research</i> , 1993, 26, 220-226.	15.6	501
3	Reactions of the bioregulatory agent nitric oxide in oxygenated aqueous media: Determination of the kinetics for oxidation and nitrosation by intermediates generated in the nitric oxide/oxygen reaction. <i>Chemical Research in Toxicology</i> , 1993, 6, 23-27.	3.3	497
4	Mechanistic Aspects of the Reactions of Nitric Oxide with Transition-Metal Complexes. <i>Chemical Reviews</i> , 2002, 102, 993-1018.	47.7	490
5	Autoxidation kinetics of aqueous nitric oxide. <i>FEBS Letters</i> , 1993, 326, 1-3.	2.8	377
6	Synthesis and properties of pentaamminepyridineruthenium(II) and related pentaammineruthenium complexes of aromatic nitrogen heterocycles. <i>Journal of the American Chemical Society</i> , 1968, 90, 1187-1194.	13.7	352
7	Photophysical studies in solution of the tetranuclear copper(I) clusters Cu ₄ L ₄ (L = pyridine or Tj ETQq1 1 0.784314 rgBT / Overlock 10	13.7	352
8	One-Pot Catalytic Conversion of Cellulose and of Woody Biomass Solids to Liquid Fuels. <i>Journal of the American Chemical Society</i> , 2011, 133, 14090-14097.	13.7	316
9	Catalytic Conversion of Nonfood Woody Biomass Solids to Organic Liquids. <i>Accounts of Chemical Research</i> , 2014, 47, 1503-1512.	15.6	307
10	Catalytic disassembly of an organosolv lignin via hydrogen transfer from supercritical methanol. <i>Green Chemistry</i> , 2010, 12, 1640.	9.0	306
11	Photochemistry of nitric oxide adducts of water-soluble iron(III) porphyrin and ferrihemoproteins studied by nanosecond laser photolysis. <i>Journal of the American Chemical Society</i> , 1993, 115, 9568-9575.	13.7	296
12	Solvent- and Vapor-Induced Isomerization between the Luminescent Solids [Cu(4-pic)] ₄ and [Cu(4-pic)] ₂ (pic = methylpyridine). The Structural Basis for the Observed Luminescence Vapochromism. <i>Chemistry of Materials</i> , 2000, 12, 3385-3391.	6.7	274
13	Metal centered ligand field excited states: Their roles in the design and performance of transition metal based photochemical molecular devices. <i>Coordination Chemistry Reviews</i> , 2011, 255, 591-616.	18.8	256
14	Photochemistry of metal nitrosyl complexes. Delivery of nitric oxide to biological targets. <i>Coordination Chemistry Reviews</i> , 1998, 171, 185-202.	18.8	248
15	Chemical biology of nitric oxide: Regulation and protective and toxic mechanisms. <i>Current Topics in Cellular Regulation</i> , 1996, 34, 159-187.	9.6	247
16	Luminescent mixed ligand copper(I) clusters (Cu) _n (L) _m (L=pyridine, piperidine): thermodynamic control of molecular and supramolecular species. <i>Coordination Chemistry Reviews</i> , 2001, 219-221, 3-16.	18.8	241
17	Studies on the Reaction Mechanism for Reductive Nitrosylation of Ferrihemoproteins in Buffer Solutions. <i>Journal of the American Chemical Society</i> , 1996, 118, 5702-5707.	13.7	235
18	The water gas shift reaction: homogeneous catalysis by ruthenium and other metal carbonyls. <i>Accounts of Chemical Research</i> , 1981, 14, 31-37.	15.6	223

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19	Electronic Transitions Involved in the Absorption Spectrum and Dual Luminescence of Tetranuclear Cubane [Cu ₄ I ₄ (pyridine) ₄] Cluster: A Density Functional Theory/Time-Dependent Density Functional Theory Investigation. <i>Inorganic Chemistry</i> , 2006, 45, 10576-10584.	4.0	218
20	Polychromophoric Metal Complexes for Generating the Bioregulatory Agent Nitric Oxide by Single- and Two-Photon Excitation. <i>Accounts of Chemical Research</i> , 2008, 41, 190-200.	15.6	209
21	Tissue Processing of Nitrite in Hypoxia. <i>Journal of Biological Chemistry</i> , 2008, 283, 33927-33934.	3.4	193
22	A Luminescent and Biocompatible PhotoCORM. <i>Journal of the American Chemical Society</i> , 2012, 134, 18197-18200.	13.7	193
23	Homogeneous catalysis by ruthenium carbonyl in alkaline solution: the water gas shift reaction. <i>Journal of the American Chemical Society</i> , 1977, 99, 252-253.	13.7	192
24	Photochemically activated carbon monoxide release for biological targets. Toward developing air-stable photoCORMs labilized by visible light. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1509-1519.	18.8	192
25	Nucleophilic Activation of Carbon Monoxide: Applications to Homogeneous Catalysis by Metal Carbonyls of the Water Gas Shift and Related Reactions. <i>Advances in Organometallic Chemistry</i> , 1988, 28, 139-217.	1.0	174
26	NIR-Triggered Release of Caged Nitric Oxide using Upconverting Nanostructured Materials. <i>Small</i> , 2012, 8, 3800-3805.	10.0	168
27	Metal complexes as photochemical nitric oxide precursors: Potential applications in the treatment of tumors. <i>Dalton Transactions</i> , 2009, , 10660.	3.3	165
28	One-pot reduction of 5-hydroxymethylfurfural via hydrogen transfer from supercritical methanol. <i>Green Chemistry</i> , 2012, 14, 2457.	9.0	164
29	Nitric oxide complexes of metalloporphyrins: an overview of some mechanistic studies. <i>Coordination Chemistry Reviews</i> , 1999, 187, 75-102.	18.8	163
30	Mechanisms of Reductive Nitrosylation in Iron and Copper Models Relevant to Biological Systems. <i>Chemical Reviews</i> , 2005, 105, 2439-2456.	47.7	162
31	Photochemistry of Roussin's Red Salt, Na ₂ [Fe ₂ S ₂ (NO) ₄], and of Roussin's Black Salt, NH ₄ [Fe ₄ S ₃ (NO) ₇]. In Situ Nitric Oxide Generation To Sensitize ¹³¹ I-Radiation Induced Cell Death. <i>Journal of the American Chemical Society</i> , 1997, 119, 2853-2860.	13.7	156
32	A Photochemical Precursor for Carbon Monoxide Release in Aerated Aqueous Media. <i>Inorganic Chemistry</i> , 2010, 49, 1180-1185.	4.0	152
33	Synthesis, Structure, and Spectroscopic Properties of Ortho-Metalated Platinum(II) Complexes. <i>Inorganic Chemistry</i> , 1995, 34, 2334-2342.	4.0	148
34	Direct and indirect effects of nitric oxide in chemical reactions relevant to biology. <i>Methods in Enzymology</i> , 1996, 268, 12-31.	1.0	148
35	Photochemical delivery of nitric oxide. <i>Nitric Oxide - Biology and Chemistry</i> , 2013, 34, 56-64.	2.7	147
36	Photochemical Nitric Oxide Precursors: A Synthesis, Photochemistry, and Ligand Substitution Kinetics of Ruthenium Salen Nitrosyl and Ruthenium Salophen Nitrosyl Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 3728-3739.	4.0	146

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37	Homogeneous catalysis of the water gas shift reaction by ruthenium and other metal carbonyls. Studies in alkaline solutions. <i>Journal of the American Chemical Society</i> , 1979, 101, 5922-5929.	13.7	144
38	Ab initio studies of the copper(I) tetramers Cu ₄ X ₄ L ₄ (X = I, Br, Cl). Effects of cluster structure and of halide on photophysical properties. <i>Inorganic Chemistry</i> , 1994, 33, 561-566.	4.0	138
39	Hydrogen Transfer from Supercritical Methanol over a Solid Base Catalyst: A Model for Lignin Depolymerization. <i>ChemSusChem</i> , 2009, 2, 215-217.	6.8	138
40	Mechanistic Studies on the Reversible Binding of Nitric Oxide to Metmyoglobin. <i>Journal of the American Chemical Society</i> , 2001, 123, 285-293.	13.7	137
41	Benzonitrile and acetonitrile complexes of ruthenium amines. <i>Inorganic Chemistry</i> , 1970, 9, 227-235.	4.0	134
42	Photoluminescence properties of the structurally analogous tetranuclear copper(I) clusters Cu ₄ X ₄ (dpmp) ₄ (X = I, Br, Cl; dpmp = 2-(diphenylmethyl)pyridine). <i>Inorganic Chemistry</i> , 1993, 32, 869-874.	4.0	131
43	Origins of the double emission of the tetranuclear copper(I) cluster Cu ₄ (pyridine) ₄ : an ab initio study. <i>The Journal of Physical Chemistry</i> , 1992, 96, 8329-8336.	2.9	130
44	Nitric Oxide Releasing Materials Triggered by Near-Infrared Excitation Through Tissue Filters. <i>Journal of the American Chemical Society</i> , 2013, 135, 18145-18152.	13.7	124
45	Reactions of NO and Nitrite with Heme Models and Proteins. <i>Inorganic Chemistry</i> , 2010, 49, 6226-6239.	4.0	121
46	Photoactivated in Vitro Anticancer Activity of Rhenium(I) Tricarbonyl Complexes Bearing Water-Soluble Phosphines. <i>Inorganic Chemistry</i> , 2018, 57, 1311-1331.	4.0	121
47	Synthesis and Structural Characterization of Several Ruthenium Porphyrin Nitrosyl Complexes. <i>Inorganic Chemistry</i> , 1997, 36, 4838-4848.	4.0	120
48	Mechanistic Studies of Nitric Oxide Reactions with Water Soluble Iron(II), Cobalt(II), and Iron(III) Porphyrin Complexes in Aqueous Solutions: Implications for Biological Activity. <i>Journal of the American Chemical Society</i> , 2001, 123, 11614-11622.	13.7	120
49	New Structural Motifs, Unusual Quenching of the Emission, and Second Harmonic Generation of Copper(I) Iodide Polymeric or Oligomeric Adducts with Para-Substituted Pyridines or trans-Stilbazoles. <i>Inorganic Chemistry</i> , 2005, 44, 4077-4085.	4.0	119
50	A photoCORM nanocarrier for CO release using NIR light. <i>Chemical Communications</i> , 2015, 51, 2072-2075.	4.1	119
51	Photoreactivity of the Ruthenium Nitrosyl Complex, Ru(salen)(Cl)(NO). Solvent Effects on the Back Reaction of NO with the Lewis Acid Ru(III)(salen)(Cl). <i>Journal of the American Chemical Society</i> , 2000, 122, 7592-7593.	13.7	118
52	A Two-Photon Antenna for Photochemical Delivery of Nitric Oxide from a Water-Soluble, Dye-Derivatized Iron Nitrosyl Complex Using NIR Light. <i>Journal of the American Chemical Society</i> , 2006, 128, 3831-3837.	13.7	116
53	Properties and reactions of ruthenium(II) amine complexes. <i>Coordination Chemistry Reviews</i> , 1970, 5, 75-99.	18.8	112
54	Investigation of the Nitric Oxide Reduction of the Bis(2,9-Dimethyl-1,10-phenanthroline) Complex of Copper(II) and the Structure of [Cu(dmp) ₂ (H ₂ O)](CF ₃ SO ₃) ₂ . <i>Inorganic Chemistry</i> , 1998, 37, 2505-2511.	4.0	109

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55	Intramolecular Reductive Nitrosylation: A Reaction of Nitric Oxide and a Copper(II) Complex of a Cyclam Derivative with Pendant Luminescent Chromophores. <i>Journal of the American Chemical Society</i> , 2004, 126, 6564-6565.	13.7	109
56	Photochemical and photophysical studies of tetranuclear copper(I) halide clusters: an overview. <i>Coordination Chemistry Reviews</i> , 1994, 132, 129-140.	18.8	101
57	Photochemistry of the ruthenium(II) ammine complexes, Ru(NH ₃) ₅ (py-X) ₂ ⁺ . Variation of systemic parameters to modify photochemical reactivities. <i>Journal of the American Chemical Society</i> , 1977, 99, 7213-7221.	13.7	100
58	Some applications of cyclic voltammetry to the reactions and properties of ruthenium ammine complexes. Reduction potentials and rate studies. <i>Inorganic Chemistry</i> , 1976, 15, 1107-1110.	4.0	92
59	Homogeneous catalysis of the water gas shift reaction by mixed-metal (iron/ruthenium) catalysts. <i>Journal of the American Chemical Society</i> , 1978, 100, 4595-4597.	13.7	92
60	Flash Photolysis Studies of the Ruthenium(II) Porphyrins Ru(P)(NO)(ONO). Multiple Pathways Involving Reactions of Intermediates with Nitric Oxide ¹ . <i>Journal of the American Chemical Society</i> , 1998, 120, 11674-11683.	13.7	92
61	Transesterification Catalysts from Iron Doped Hydrotalcite-like Precursors: Solid Bases for Biodiesel Production. <i>Catalysis Letters</i> , 2008, 122, 205-209.	2.6	92
62	Quantum Dot Fluorescence Quenching Pathways with Cr(III) Complexes. Photosensitized NO Production from <i>trans</i> -Cr(cyclam)(ONO) ₂ ⁺ . <i>Journal of the American Chemical Society</i> , 2008, 130, 168-175.	13.7	92
63	Photochemical Investigation of Roussin's Red Salt Esters: Fe ₂ (SR) ₂ (NO) ₄ . <i>Inorganic Chemistry</i> , 2003, 42, 2288-2293.	4.0	91
64	The Distal Pocket Histidine Residue in Horse Heart Myoglobin Directs the <i>O</i> -Binding Mode of Nitrite to the Heme Iron. <i>Journal of the American Chemical Society</i> , 2009, 131, 18119-18128.	13.7	88
65	Base hydrolysis of coordinated organonitriles. Reactions of ruthenium(III) and rhodium(III) complexes. <i>Inorganic Chemistry</i> , 1975, 14, 42-47.	4.0	86
66	NO and NO interactions with group 8 metalloporphyrins. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 151-165.	3.5	86
67	Photochemical Production of Nitric Oxide via Two-Photon Excitation with NIR Light. <i>Journal of the American Chemical Society</i> , 2004, 126, 13566-13567.	13.7	85
68	Macrophage-mediated delivery of light activated nitric oxide prodrugs with spatial, temporal and concentration control. <i>Chemical Science</i> , 2018, 9, 3729-3741.	7.4	83
69	A Dissociative Mechanism for Reactions of Nitric Oxide with Water Soluble Iron(III) Porphyrins. <i>Journal of the American Chemical Society</i> , 1997, 119, 12663-12664.	13.7	81
70	In Situ Nitric Oxide (NO) Measurement by Modified Electrodes: NO Labilized by Photolysis of Metal Nitrosyl Complexes. <i>Analytical Biochemistry</i> , 1997, 247, 193-202.	2.4	80
71	Mechanisms of Ferriheme Reduction by Nitric Oxide: Nitrite and General Base Catalysis ¹ . <i>Inorganic Chemistry</i> , 2004, 43, 5393-5402.	4.0	79
72	Markedly Improved CO ₂ Capture Efficiency and Stability of Gallium Substituted Hydrotalcites at Elevated Temperatures. <i>Chemistry of Materials</i> , 2009, 21, 3473-3475.	6.7	78

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73	Nitrite Reduction Mediated by Heme Models. Routes to NO and HNO?. Journal of the American Chemical Society, 2013, 135, 4007-4017.	13.7	78
74	Reversible Photolabilization of NO from Chromium(III)-Coordinated Nitrite. A New Strategy for Nitric Oxide Delivery. Journal of the American Chemical Society, 1999, 121, 1980-1981.	13.7	77
75	Reaction mechanisms relevant to the formation of iron and ruthenium nitric oxide complexes. Coordination Chemistry Reviews, 2005, 249, 391-403.	18.8	77
76	Metal complex strategies for photo-uncaging the small molecule bioregulators nitric oxide and carbon monoxide. Coordination Chemistry Reviews, 2018, 376, 548-564.	18.8	77
77	Reaction dynamics of the tricoordinate intermediates MCl(PPh ₃) ₂ (M = Rh or Ir) as probed by the flash photolysis of the carbonyls MCl(CO)(PPh ₃) ₂ . Journal of the American Chemical Society, 1987, 109, 436-442.	13.7	75
78	Carbon disulfide. Just toxic or also bioregulatory and/or therapeutic?. Chemical Society Reviews, 2017, 46, 21-39.	38.1	75
79	Photoreactions of coordinated nitrite ion. Reversible nitric oxide labilization from the chromium(III) complex [trans -Cr(cyclam)(ONO) 2] +. Coordination Chemistry Reviews, 2000, 208, 47-59.	18.8	74
80	Nitrite Catalyzes Ferriheme Protein Reductive Nitrosylation. Journal of the American Chemical Society, 2003, 125, 10510-10511.	13.7	74
81	Photochemical reactions leading to NO and NO _x generation. Coordination Chemistry Reviews, 2005, 249, 1382-1395.	18.8	73
82	Reaction of a Bridged Frustrated Lewis Pair with Nitric Oxide: A Kinetics Study. Journal of the American Chemical Society, 2014, 136, 513-519.	13.7	73
83	Chromium(III) Complexes for Photochemical Nitric Oxide Generation from Coordinated Nitrite:Â Synthesis and Photochemistry of Macrocyclic Complexes with Pendant Chromophores trans-[Cr(L)(ONO)2]BF ₄ . Inorganic Chemistry, 2005, 44, 4157-4165.	4.0	71
84	Preparation and spectral and electrochemical characterization of dirhodium(II) complexes with bridging 1,8-naphthyridine ligands: 2,7-bis(2-pyridyl)-1,8-naphthyridine, 5,6-dihydrodipyrido[2,3-b:3'2'-j][1,10]phenanthroline, 2-(2-pyridyl)-1,8-naphthyridine and 1,8-naphthyridine. X-ray crystal structure of tris(μ-acetato)(2,7-bis(2-pyridyl)-1,8-naphthyridine)dirhodium(II) Hexafluorophosphate. Inorganic Chemistry, 1984, 23, 141-146.	4.0	70
85	Nitrite Catalyzes Reductive Nitrosylation of the Water-Soluble Ferri-Heme Model FeIII(TPPS) to FeII(TPPS)(NO). Inorganic Chemistry, 2003, 42, 2-4.	4.0	70
86	Photochemical reactions of trans-[Ru(NH ₃) ₄ L(NO)] ³⁺ complexes. Inorganica Chimica Acta, 2004, 357, 1381-1388.	2.4	69
87	Reactivity of metal radicals generated photochemically. Effects of solvent and of trapping agent concentrations on quantum yields for photolysis of hexacarbonylbis(π-cyclopentadienyl)ditungsten(I), [π-CpW(CO) ₃] ₂ . Inorganic Chemistry, 1977, 16, 388-391.	4.0	68
88	Flash and continuous photolysis studies of Roussinâ€™s red salt dianion Fe ₂ S ₂ (NO) ₄ ²⁻ in solution. Coordination Chemistry Reviews, 2000, 200-202, 887-900.	18.8	67
89	Mechanistic studies of nitrite reactions with metalloproteins and models relevant to mammalian physiology. Coordination Chemistry Reviews, 2010, 254, 235-247.	18.8	67
90	The ligand field photosubstitution reactions of d ₆ hexacoordinate metal complexes. Coordination Chemistry Reviews, 1982, 44, 61-82.	18.8	64

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91	Photoreactions of the triruthenium cluster Ru ₃ (CO) ₁₂ and substituted analogs. Journal of the American Chemical Society, 1986, 108, 1917-1927.	13.7	64
92	Dynamic quenching of the metal-to-ligand charge-transfer excited state of Cu ₄ (pyridine) ₄ . Exciplex formation and self-quenching. Journal of the American Chemical Society, 1989, 111, 5005-5006.	13.7	63
93	Photoluminescence properties of the copper(I) chloride clusters Cu ₄ Cl ₄ L ₄ (L = pyridine, substituted) Tj ETQq1 1 0.784314 rgBT /Over	4.0	63
94	Reactivity of the Iron Porphyrin Fe(TPP)(NO) with Excess NO. Formation of Fe(TPP)(NO)(NO ₂) Occurs via Reaction with Trace NO ₂ . Inorganic Chemistry, 2000, 39, 632-633.	4.0	63
95	Nitric Oxide Addition to the Ferrous Nitrosyl Porphyrins Fe(P)(NO) Givestrans-Fe(P)(NO) ₂ in Low-Temperature Solutions. Journal of the American Chemical Society, 2000, 122, 6516-6517.	13.7	63
96	Single- and Two-Photon Properties of a Dye-Derivatized Roussin's Red Salt Ester (Fe ₂ (RS) ₂ (NO) ₄) with a Large TPA Cross Section. Inorganic Chemistry, 2007, 46, 395-402.	4.0	63
97	Crescent-shaped dinuclear complexes: a dirhodium(II) complex of the new tetradentate ligand 2,7-bis(2-pyridyl)-1,8-naphthyridine (bpnp), [Rh ₂ (bpnp)(μ-CH ₃ CO ₂) ₃](PF ₆). Inorganic Chemistry, 1983, 22, 1147-1148.	4.0	62
98	Photosensitized NO Release from Water-Soluble Nanoparticle Assemblies. Journal of the American Chemical Society, 2007, 129, 4146-4147.	13.7	62
99	Nucleophilic activation of coordinated carbon monoxide. 3. Hydroxide and methoxide reactions with the trinuclear clusters M ₃ (CO) ₁₂ (M = Fe, Ru, or Os). Implications with regard to catalysis of the water gas shift reaction. Journal of the American Chemical Society, 1985, 107, 585-593.	13.7	61
100	Nitric Oxide Reactions Important to Biological Systems: A Survey of Some Kinetics Investigations. Methods, 1995, 7, 14-20.	3.8	61
101	Photochemical reaction pathways of ruthenium(II) complexes. Evidence regarding the reactive excited state(s) from metal-to-ligand charge transfer excitation of pentaamine(pyridine)ruthenium(2+) and related complexes. Journal of the American Chemical Society, 1974, 96, 601-603.	13.7	60
102	Kinetics and Mechanism of Nitric Oxide Disproportionation upon Reaction with Ruthenium(II) Porphyrin Carbonyls: Evidence for Dinitrosyl Intermediates. Inorganic Chemistry, 1999, 38, 1467-1473.	4.0	60
103	Flash Photolysis Studies of Roussin's Black Salt Anion: Fe ₄ S ₃ (NO) ₇ ⁻ . Inorganic Chemistry, 1999, 38, 2947-2952.	4.0	60
104	Synthesis, characterization, and x-ray molecular structures of mono- and dinuclear copper complexes with 2,7-bis(2-pyridyl)-1,8-naphthyridine. Inorganic Chemistry, 1984, 23, 3633-3638.	4.0	59
105	Nucleophilic activation of coordinated carbon monoxide. 2. Reactions of the mononuclear complexes M(CO) ₅ [M = Fe, Ru, or Os] with hydroxide and with methoxide. Journal of the American Chemical Society, 1985, 107, 2355-2362.	13.7	57
106	Pressure-Induced Luminescence Rigidochromism in the Photophysics of the Cuprous Iodide Cluster Cu ₄ (py) ₄ . Inorganic Chemistry, 1997, 36, 439-442.	4.0	56
107	Cyanopyridine complexes of pentaammineruthenium(II). Inorganic Chemistry, 1970, 9, 495-499.	4.0	55
108	Hydrogenolysis of Organosolv Lignin in Ethanol/Isopropanol Media without Added Transition-Metal Catalyst. ACS Sustainable Chemistry and Engineering, 2020, 8, 1023-1030.	6.7	55

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109	Pressure effects on copper(I) complex excited-state dynamics. Evidence supporting an associative nonradiative deactivation mechanism. <i>Inorganic Chemistry</i> , 1988, 27, 3698-3700.	4.0	54
110	The photoluminescence properties of the copper(I) clusters Cu ₄ (A) ₄ (A = aromatic amine) in solution. <i>Coordination Chemistry Reviews</i> , 1990, 97, 35-46.	18.8	54
111	A kinetic investigation of intermediates formed during the Fenton reagent mediated degradation of N-nitrosodimethylamine: evidence for an oxidative pathway not involving hydroxyl radical. <i>Chemical Research in Toxicology</i> , 1991, 4, 510-512.	3.3	54
112	Toward Development of Water Soluble Dye Derivatized Nitrosyl Compounds for Photochemical Delivery of NO. <i>Inorganic Chemistry</i> , 2006, 45, 1192-1200.	4.0	54
113	From curiosity to applications. A personal perspective on inorganic photochemistry. <i>Chemical Science</i> , 2016, 7, 2964-2986.	7.4	53
114	Electrochemical methods for detection of nitric oxide. <i>Methods in Enzymology</i> , 1996, 268, 69-83.	1.0	52
115	Enhancing Aromatic Production from Reductive Lignin Disassembly: <i>In Situ</i> O-Methylation of Phenolic Intermediates. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6877-6886.	6.7	52
116	Mechanistic Aspects of the Photosubstitution and Photoisomerization Reactions of Metal Complexes. <i>Progress in Inorganic Chemistry</i> , 2007, , 213-271.	3.0	51
117	Quantum Dot Photoluminescence Quenching by Cr(III) Complexes. Photosensitized Reactions and Evidence for a FRET Mechanism. <i>Journal of the American Chemical Society</i> , 2012, 134, 13266-13275.	13.7	51
118	Brønsted acidities of carbonyl hydride complexes of iron, ruthenium, and osmium: pK _a values and deprotonation rates in methanol solution. <i>Journal of the American Chemical Society</i> , 1983, 105, 1179-1186.	13.7	50
119	X-ray Structures and Emissive and Second-Order Nonlinear Optical Properties of Two Inorganic-Organic Polymeric Adducts of CuI with 4-Acetylpyridine. The Role of Both Intrastrand Charge Transfers and Structural Motifs on the Nonlinear Optical Response of Cu(I) Polymeric Adducts with Pseudoaromatic 1-Nitrogen Donor Ligands. <i>Chemistry of Materials</i> , 2002, 14, 5116-5123.	6.7	50
120	Synthesis and Photochemical Properties of a Novel Iron-Sulfur-Nitrosyl Cluster Derivatized with the Pendant Chromophore Protoporphyrin IX1. <i>Inorganic Chemistry</i> , 2004, 43, 5543-5549.	4.0	50
121	Photosubstitution reactions of the ruthenium(II) arene complexes Ru(η ⁶ -arene)L ₃ ²⁺ (L = ammonia) <i>TJ ETQq1 1 0.784314 rgBT /Ov</i>	4.0	48
122	Photophysical and Initial Studies of Mononuclear Copper(I) Complexes. <i>Inorganic Chemistry</i> , 1996, 35, 6413-6421.	4.0	48
123	Ruthenium-nitrite complex as pro-drug releases NO in a tissue and enzyme-dependent way. <i>Nitric Oxide - Biology and Chemistry</i> , 2011, 24, 192-198.	2.7	48
124	The solution chemistry of nitric oxide and other reactive nitrogen species. <i>Nitric Oxide - Biology and Chemistry</i> , 2020, 103, 31-46.	2.7	48
125	Kinetics of the Oxidation of Triphenylphosphine by Nitric Oxide. <i>Inorganic Chemistry</i> , 2002, 41, 1026-1028.	4.0	47
126	Spectroscopic and Density Functional Studies of the Dinitrosyl Metalloporphyrin Complexes Fe(P)(NO) ₂ and Ru(P)(NO) ₂ . <i>Inorganic Chemistry</i> , 2003, 42, 4902-4908.	4.0	47

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127	Photochemical reaction pathways of ruthenium(II) complexes. III. Metal-to-ligand charge-transfer excitation of the pentaamminepyridineruthenium(II) cation and related species. <i>Journal of the American Chemical Society</i> , 1972, 94, 6665-6673.	13.7	46
128	Competitive bimolecular electron- and energy-transfer quenching of the excited state(s) of the tetranuclear copper(I) cluster Cu ₄ I ₄ py ₄ . Evidence for large reorganization energies in an excited-state electron transfer. <i>Journal of the American Chemical Society</i> , 1993, 115, 5132-5137.	13.7	46
129	An integrated process for partial oxidation of alkanes. <i>Chemical Communications</i> , 2003, , 2294.	4.1	46
130	Kinetics of carbon monoxide activation: reactions of methoxide and of hydroxide with ruthenium and iron carbonyls. <i>Inorganic Chemistry</i> , 1982, 21, 1702-1704.	4.0	45
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