

William C Trogler

List of Publications by Year in descending order

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232
papers

11,792
citations

31974

53
h-index

33889

99
g-index

243
all docs

243
docs citations

243
times ranked

10620
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer sensors for nitroaromatic explosives detection. <i>Journal of Materials Chemistry</i> , 2006, 16, 2871.	6.7	936
2	Detection of Nitroaromatic Explosives Based on Photoluminescent Polymers Containing Metalloles. <i>Journal of the American Chemical Society</i> , 2003, 125, 3821-3830.	13.7	651
3	Synthesis and surface functionalization of silica nanoparticles for nanomedicine. <i>Surface Science Reports</i> , 2014, 69, 132-158.	7.2	395
4	Luminescent Silole Nanoparticles as Chemoselective Sensors for Cr(VI). <i>Journal of the American Chemical Society</i> , 2005, 127, 11661-11665.	13.7	320
5	Synthesis, Luminescence Properties, and Explosives Sensing with 1,1-Tetraphenylsilole- and 1,1-Silafluorene-vinylene Polymers. <i>Chemistry of Materials</i> , 2007, 19, 6459-6470.	6.7	294
6	Detection of Fluorophosphonate Chemical Warfare Agents by Catalytic Hydrolysis with a Porous Silicon Interferometer. <i>Journal of the American Chemical Society</i> , 2000, 122, 5399-5400.	13.7	287
7	Detection of TNT and Picric Acid on Surfaces and in Seawater by Using Photoluminescent Polysiloles. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 2104-2105.	13.8	281
8	Nylon Production: An Unknown Source of Atmospheric Nitrous Oxide. <i>Science</i> , 1991, 251, 932-934.	12.6	271
9	Comparative Gas Sensing in Cobalt, Nickel, Copper, Zinc, and Metal-Free Phthalocyanine Chemiresistors. <i>Journal of the American Chemical Society</i> , 2009, 131, 478-485.	13.7	262
10	Efficient blue-emitting silafluorene-fluorene-conjugated copolymers: selective turn-off/turn-on detection of explosives. <i>Journal of Materials Chemistry</i> , 2008, 18, 3143.	6.7	201
11	Gas Sensing Mechanism in Chemiresistive Cobalt and Metal-Free Phthalocyanine Thin Films. <i>Journal of the American Chemical Society</i> , 2007, 129, 5640-5646.	13.7	199
12	Detection of Nitrobenzene, DNT, and TNT Vapors by Quenching of Porous Silicon Photoluminescence. <i>Chemistry - A European Journal</i> , 2000, 6, 2205-2213.	3.3	170
13	Luminescent oligo(tetraphenyl)silole nanoparticles as chemical sensors for aqueous TNT. <i>Chemical Communications</i> , 2005, , 5465.	4.1	149
14	Cone angles for amine ligands. X-ray crystal structures and equilibrium measurements for ammonia, ethylamine, diethylamine, and triethylamine complexes with the [bis(dimethylphosphino)ethane]methylpalladium(II) cation. <i>Journal of the American Chemical Society</i> , 1991, 113, 2520-2527.	13.7	141
15	Physical properties and mechanisms of formation of nitrous oxide. <i>Coordination Chemistry Reviews</i> , 1999, 187, 303-327.	18.8	141
16	Hydrolysis of phosphate diesters with copper(II) catalysts. <i>Inorganic Chemistry</i> , 1988, 27, 3387-3394.	4.0	137
17	Syntheses, reactions, and molecular structures of trans-hydrido(phenylamido)bis(triethylphosphine)platinum(II) and trans-hydridophenoxobis(triethylphosphine)platinum(II). <i>Journal of the American Chemical Society</i> , 1989, 111, 4750-4761.	13.7	136
18	Synthesis of Hollow Silica and Titania Nanospheres. <i>Chemistry of Materials</i> , 2008, 20, 2875-2877.	6.7	133

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19	Nature of the frontier orbitals in phosphine, trimethylphosphine, and trifluorophosphine. <i>Journal of the American Chemical Society</i> , 1983, 105, 7033-7037.	13.7	130
20	Catalytic Hydrosilylation Routes to Divinylbenzene Bridged Silole and Silafluorene Polymers. Applications to Surface Imaging of Explosive Particulates. <i>Macromolecules</i> , 2008, 41, 1237-1245.	4.8	127
21	Kinetics and mechanism of nitrile hydration catalyzed by unhindered hydridobis(phosphine) platinum(II) complexes. Regioselective hydration of acrylonitrile. <i>Journal of the American Chemical Society</i> , 1986, 108, 723-729.	13.7	120
22	Cis and trans effects on the proton magnetic resonance spectra of cobaloximes. <i>Inorganic Chemistry</i> , 1974, 13, 1564-1570.	4.0	114
23	Iron(III)-Doped, Silica Nanoshells: A Biodegradable Form of Silica. <i>Journal of the American Chemical Society</i> , 2012, 134, 13997-14003.	13.7	111
24	Hydrolysis of phosphodiesteres with nickel(II), copper(II), zinc(II), palladium(II), and platinum(II) complexes. <i>Inorganic Chemistry</i> , 1990, 29, 2409-2416.	4.0	110
25	Alkyl and hydrido phenoxo complexes of nickel(II), palladium(II), and platinum(II). Hydrido amido complexes of palladium. <i>Inorganic Chemistry</i> , 1991, 30, 3371-3381.	4.0	107
26	Selective Detection of Vapor Phase Hydrogen Peroxide with Phthalocyanine Chemiresistors. <i>Journal of the American Chemical Society</i> , 2008, 130, 3712-3713.	13.7	107
27	Electronic spectra and photochemistry of complexes containing quadruple metal-metal bonds. <i>Accounts of Chemical Research</i> , 1978, 11, 232-239.	15.6	101
28	Solvent-dependent reactions of carbon dioxide with a platinum(II) dihydride. Reversible formation of a platinum(II) formatehydride and a cationic platinum(II) dimer, $[\text{Pt}_2\text{H}_3(\text{PEt}_3)_4][\text{HCO}_2]$. <i>Journal of the American Chemical Society</i> , 1982, 104, 3529-3530.	13.7	97
29	Electronic structure of dimolybdenum tetraformate, dimolybdenum(4+) ion, and dimolybdenum. <i>Inorganic Chemistry</i> , 1977, 16, 987-993.	4.0	96
30	Ultrathin organic transistors for chemical sensing. <i>Applied Physics Letters</i> , 2007, 90, 263506.	3.3	94
31	Pentacarbonylrhenium Halides. <i>Inorganic Syntheses</i> , 2007, , 160-165.	0.3	89
32	Photochemical generation of bis(phosphine)palladium and bis(phosphine)platinum equivalents. <i>Organometallics</i> , 1985, 4, 647-657.	2.3	85
33	Hard shell gas-filled contrast enhancement particles for colour Doppler ultrasound imaging of tumors. <i>MedChemComm</i> , 2010, 1, 266.	3.4	80
34	Protonolysis approach to the catalytic amination of olefins with bis(phosphine)palladium(II) dialkyls. <i>Organometallics</i> , 1993, 12, 744-751.	2.3	79
35	Regioselective insertion of acrylonitrile into the platinum-nitrogen bond of hydrido(phenylamido)bis(triethylphosphine)platinum(II). A model step for olefin amination. <i>Organometallics</i> , 1987, 6, 2451-2453.	2.3	76
36	Hydrosilylation of Dienes as a Route to Functional Polymers Delocalized Through Silicon. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1527-1540.	2.2	76

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37	Hydrocarbon-bridged complexes. 15. Molecular and electronic structures of (μ -ethynediyl)bis(pentacarbonylrhenium), (OC) ₅ ReC.tplbond.CRe(CO) ₅ . <i>Organometallics</i> , 1990, 9, 1296-1300.	2.3	75
38	Hollow silica and silica-boron nano/microparticles for contrast-enhanced ultrasound to detect small tumors. <i>Biomaterials</i> , 2012, 33, 5124-5129.	11.4	75
39	Mechanism of carbon monoxide substitution in metal carbonyl radicals: vanadium hexacarbonyl and its phosphine-substituted derivatives. <i>Journal of the American Chemical Society</i> , 1984, 106, 71-76.	13.7	73
40	Synthesis and structure of dicarbonyl(η -3-indenyl)(η -5-indenyl)vanadium(II). An unusual slipped ring in a metal radical. <i>Journal of the American Chemical Society</i> , 1986, 108, 2460-2461.	13.7	73
41	Polymerization of a boronate-functionalized fluorophore by double transesterification: applications to fluorescence detection of hydrogen peroxide vapor. <i>Journal of Materials Chemistry</i> , 2008, 18, 5134.	6.7	72
42	Syntheses, reactivities, molecular structures, and physical properties of paramagnetic bis(tetraphenylcyclopentadienyl) complexes of vanadium, chromium, cobalt, and nickel. <i>Organometallics</i> , 1987, 6, 1703-1712.	2.3	69
43	Visual Detection of Trace Nitroaromatic Explosive Residue Using Photoluminescent Metallole-Containing Polymers. <i>Journal of Forensic Sciences</i> , 2007, 52, 79-83.	1.6	66
44	Analyte chemisorption and sensing on n- and p-channel copper phthalocyanine thin-film transistors. <i>Journal of Chemical Physics</i> , 2009, 130, 164703.	3.0	65
45	Dual-Porosity Hollow Nanoparticles for the Immunoprotection and Delivery of Nonhuman Enzymes. <i>Nano Letters</i> , 2014, 14, 3023-3032.	9.1	65
46	Hydrolysis of phosphate triesters with copper(II) catalysts. <i>Inorganic Chemistry</i> , 1989, 28, 2330-2333.	4.0	62
47	Silica-supported bis(trialkylphosphine)platinum oxalates. Photogenerated catalysts for hydrosilylation of olefins. <i>Journal of the American Chemical Society</i> , 1987, 109, 3586-3595.	13.7	60
48	Efficient Cleavage of DNA by Iron(III) Triazacyclononane Derivatives. <i>Journal of the American Chemical Society</i> , 1995, 117, 3983-3993.	13.7	60
49	Synthetic, structural, spectroscopic, and theoretical studies of decamethylvanadocene aryl nitrenes. <i>Journal of the American Chemical Society</i> , 1985, 107, 7945-7952.	13.7	59
50	Spectroscopic and theoretical studies of metal cluster complexes. Part 2. X.alpha. calculations and spectroscopic studies of triruthenium and triosmium dodecacarbonyls. <i>Inorganic Chemistry</i> , 1982, 21, 2247-2253.	4.0	58
51	Preparation and properties of sterically unhindered cis and trans dihydrides of platinum(II). <i>Journal of the American Chemical Society</i> , 1982, 104, 1138-1140.	13.7	57
52	Kinetics of disproportionation of tricarbonylbis(phosphine)iron(I) cation radicals probed by double potential step chronocoulometry. <i>Journal of the American Chemical Society</i> , 1986, 108, 4037-4042.	13.7	57
53	Catalytic Hydration of Terminal Alkenes to Primary Alcohols. <i>Science</i> , 1986, 233, 1069-1071.	12.6	57
54	Synthesis, molecular structure, and 2-D NMR analysis of bis(tetraphenylcyclopentadienyl)iron(II). <i>Organometallics</i> , 1986, 5, 1116-1122.	2.3	55

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55	Photopolymerization and Mass-Independent Sulfur Isotope Fractionations in Carbon Disulfide. <i>Science</i> , 1996, 273, 774-776.	12.6	54
56	Hollow silica nanospheres containing a silafluorene-fluorene conjugated polymer for aqueous TNT and RDX detection. <i>Chemical Communications</i> , 2010, 46, 6804.	4.1	54
57	Atomic Imaging of the Irreversible Sensing Mechanism of NO ₂ Adsorption on Copper Phthalocyanine. <i>Journal of the American Chemical Society</i> , 2013, 135, 14600-14609.	13.7	53
58	Large Mass Independent Sulfur Isotope Fractionations during the Photopolymerization of ¹² CS ₂ and ¹³ CS ₂ . <i>Journal of Physical Chemistry A</i> , 1999, 103, 2477-2480.	2.5	52
59	Mechanism of oxidatively induced migratory insertion of carbon monoxide. Evidence for a nineteen-electron intermediate. <i>Journal of the American Chemical Society</i> , 1987, 109, 5127-5133.	13.7	51
60	The Environmental Chemistry of Trace Atmospheric Gases. <i>Journal of Chemical Education</i> , 1995, 72, 973.	2.3	50
61	Photopolymerization of Carbon Disulfide Yields the High-Pressure-Phase (CS ₂) _x . <i>Journal of the American Chemical Society</i> , 1995, 117, 11270-11277.	13.7	50
62	Electronic structures of tetrahedral iron, cobalt, and nickel clusters. Partial quenching of magnetism in partially carbonylated derivatives. <i>Journal of Chemical Physics</i> , 1985, 83, 3507-3513.	3.0	49
63	Mechanically Tunable Hollow Silica Ultrathin Nanoshells for Ultrasound Contrast Agents. <i>Advanced Functional Materials</i> , 2015, 25, 4049-4057.	14.9	48
64	Properties of (trifluoromethanesulfonato)pentacarbonylmanganese(I) and -rhenium(I). Reactions in superacid solvents. <i>Inorganic Chemistry</i> , 1985, 24, 1972-1978.	4.0	47
65	Silica anchored fluorescent organosilicon polymers for explosives separation and detection. <i>Journal of Materials Chemistry</i> , 2012, 22, 2908-2914.	6.7	46
66	Phosphorus ligand size. Synthesis and spectral characterization of cobaloxime complexes containing phosphorus ligands which are systematically varied both sterically and electronically. <i>Inorganic Chemistry</i> , 1975, 14, 2942-2948.	4.0	45
67	Mechanism of carbon monoxide substitution in a metal radical: vanadium hexacarbonyl. <i>Journal of the American Chemical Society</i> , 1982, 104, 4032-4034.	13.7	45
68	Syntheses, structures, and mechanism of formation of trans-chlorohydrobis(trimethylphosphine)platinum(II) and trans-dihydrobis(trimethylphosphine)platinum(II). Energetics of cis-trans isomerization. <i>Inorganic Chemistry</i> , 1985, 24, 3578-3583.	4.0	45
69	Synthesis and reactivity of palladium phosphine complex [cyclic] [tert-Bu ₂ P(CH ₂) ₂ CH(CH ₂) ₂ PBu-tert ₂] ₂ PdX (X = Cl, Me, H, BF ₄). <i>Organometallics</i> , 1993, 12, 738-743.	2.3	45
70	Europium-Doped TiO ₂ Hollow Nanoshells: Two-Photon Imaging of Cell Binding. <i>Chemistry of Materials</i> , 2012, 24, 4222-4230.	6.7	45
71	Color Doppler Ultrasound and Gamma Imaging of Intratumorally Injected 500 nm Iron-Silica Nanoshells. <i>ACS Nano</i> , 2013, 7, 6367-6377.	14.6	45
72	Synthesis, structure, and electronic properties of (.eta.-C ₅ Me ₅) ₂ V(.mu.-OC)V(CO) ₅ . A complex with a linear vanadium-oxygen-carbon-vanadium bond. <i>Journal of the American Chemical Society</i> , 1985, 107, 6292-6297.	13.7	44

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73	Syntheses, kinetics, and mechanism of ligand substitution reactions of 17-electron cyclopentadienyl and pentadienyl vanadium carbonyl complexes. <i>Journal of the American Chemical Society</i> , 1987, 109, 4860-4869.	13.7	44
74	One-electron oxidative cleavage of palladium(II) alkyl and phenoxo bonds. <i>Journal of the American Chemical Society</i> , 1992, 114, 7085-7089.	13.7	43
75	Syntheses of Oligometalloles by Catalytic Dehydrocoupling. <i>Organometallics</i> , 2005, 24, 3081-3087.	2.3	43
76	Associative reactions of dihydridobis(trimethylphosphine)platinum(II). Molecular structures of (diphenylacetylene)bis(trimethylphosphine)platinum and hydridotris(trimethylphosphine)platinum(II) tetraphenylborate. <i>Organometallics</i> , 1988, 7, 159-166.	2.3	42
77	Interaction of binuclear transition metal complexes with DNA. <i>Inorganic Chemistry</i> , 1993, 32, 5851-5867.	4.0	42
78	Encapsulation of adenovirus serotype 5 in anionic lecithin liposomes using a bead-based immunoprecipitation technique enhances transfection efficiency. <i>Biomaterials</i> , 2014, 35, 9554-9561.	11.4	42
79	Reversible formation of $Pt_2(\mu-H)_2(PEt_3)_4+$ and $Pt_2(\mu-H)_2(PEt_3)_4+$ from the cis and trans isomers of dihydrobis(triethylphosphine)platinum(II). <i>Inorganic Chemistry</i> , 1983, 22, 1038-1048.	4.0	41
80	$[(CO)_3(PPh_3)_2OsAg(O_2CCF_3)]$: A Model for an Intermediate on the Reaction Coordinate in Electron Transfer. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 770-772.	4.4	40
81	Electrode Independent Chemoresistive Response for Cobalt Phthalocyanine in the Space Charge Limited Conductivity Regime. <i>Journal of Physical Chemistry B</i> , 2006, 110, 361-366.	2.6	40
82	Production of hydrogen by ultraviolet irradiation of binuclear molybdenum(II) complexes in acidic aqueous solutions. Observation of molybdenum hydride intermediates in octahalodimolybdate(II) photoreactions. <i>Journal of the American Chemical Society</i> , 1978, 100, 1160-1163.	13.7	39
83	Kinetics and mechanism of Lewis-base-induced disproportionation of vanadium hexacarbonyl and its phosphine-substituted derivatives. <i>Journal of the American Chemical Society</i> , 1984, 106, 76-80.	13.7	39
84	Further studies of the electronic spectra of octachlorodirhenate(2-) and octabromodirhenate(2-). Assignment of the weak bands in the 600-350-nm region. Estimation of the dissociation energies of metal-metal quadruple bonds. <i>Journal of the American Chemical Society</i> , 1977, 99, 2993-2996.	13.7	38
85	Cobaloxime nitrosyl. Reaction with molecular oxygen formation of coordinated nitrate complexes. <i>Inorganic Chemistry</i> , 1974, 13, 1008-1010.	4.0	37
86	Production of hydrogen by ultraviolet irradiation of tetrasulfatodimolybdate(4-) ion in aqueous sulfuric acid. Electronic absorption spectrum of tripotassium tetrasulfatodimolybdate-3.5-water at 15 K. <i>Journal of the American Chemical Society</i> , 1977, 99, 3620-3621.	13.7	37
87	Mechanism of halide-induced disproportionation of $M(CO)_3(PCy_3)_2+$ 17-electron radicals (M = iron, Tj ETQq1 1 0.784314 rgBT /Ove Chemical Society, 1992, 114, 3355-3361.	13.7	36
88	Electronic structures and spectra of nitrido complexes of osmium(VI). <i>Inorganic Chemistry</i> , 1976, 15, 1747-1751.	4.0	35
89	Polarization behavior, temperature dependence, and vibronic structure of the 23,000-cm ⁻¹ absorption system in the electronic spectra of tetrakis[μ -(acetato-O,O')]dimolybdenum(Mo-Mo) and related compounds. Emission spectrum of tetrakis[μ -(trifluoroacetato-O,O')]dimolybdenum(Mo-Mo) at 1.3 K. <i>Inorganic Chemistry</i> , 1977, 16, 828-836.	4.0	35
90	Ligand effects on the electronic structure, spectra, and electrochemistry of tetracobalt carbonyl clusters. <i>Journal of the American Chemical Society</i> , 1986, 108, 1884-1894.	13.7	35

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91	Insertion of a copper nitrene into a carbon-hydrogen bond to form bis(2-(phenylamino)-1,10-phenanthroline)dicopper(I): a short copper-copper distance with no bond?. <i>Inorganic Chemistry</i> , 1990, 29, 1659-1662.	4.0	35
92	Hydridic reactivity of hydropentacarbonylmanganese stabilization of a nearly coordinatively unsaturated metal carbonyl cation in trifluoromethanesulfonic acid. <i>Journal of the American Chemical Society</i> , 1979, 101, 6459-6460.	13.7	33
93	Redox chemistry of cyclopentadienylcobalt tetraazaabutadienes. Characterization of 19-electron anionic complexes. <i>Journal of the American Chemical Society</i> , 1984, 106, 4144-4151.	13.7	33
94	Nucleophilic addition of phosphines to carbonyl groups. Isolation of 1-hydroxy phosphonium and 1-(trimethylsiloxy) phosphonium salts and the crystal structure of (1-hydroxy-1-methylethyl)triethylphosphonium bromide. <i>Journal of Organic Chemistry</i> , 1990, 55, 2644-2648.	3.2	33
95	Catalytic Decomposition of Ammonium Nitrate in Superheated Aqueous Solutions. <i>Journal of the American Chemical Society</i> , 1997, 119, 9738-9744.	13.7	33
96	Syntheses of photoactive complexes. Electronic spectra, electrochemistry, and SCF-X.alpha.-DV calculations for bis(phosphine)palladium oxalate and dithiooxalate complexes. Crystal and molecular structures of (dithiooxalato-S,S')bis(trimethylphosphine)palladium(II) and (1,1-dithiooxalato-S,S')bis(mu.3-sulfido)-2,2,3,3-tetrakis(trimethylphosphine)-triangulo-tripalladium(II). <i>Inorganic Chemistry</i> , 1987, 26, 259-265.	4.0	32
97	Photochemical substitution reactions of iron tricarbonyl 1,4-dimethyltetraazadiene and related complexes. Behavior consistent with the strong coupling limit. <i>Journal of the American Chemical Society</i> , 1981, 103, 6352-6358.	13.7	31
98	Tricarbonylbis(phosphine)iron(I) cation radicals. A spectroscopic and theoretical study. <i>Journal of the American Chemical Society</i> , 1986, 108, 3697-3702.	13.7	31
99	Size of phosphorus ligands. Experimental proton magnetic resonance technique for determining cone angles. <i>Journal of the American Chemical Society</i> , 1974, 96, 7589-7591.	13.7	30
100	Spectroscopic, structural, electrochemical, and kinetic studies of ligand substitution in the 33e dinuclear radical Fe ₂ (CO) ₇ (mu.-PPh ₂) and the 34e analogs [Fe ₂ (CO) ₇ (mu.-PPh ₂)]- and FeCo(CO) ₇ (mu.-PPh ₂). <i>Journal of the American Chemical Society</i> , 1988, 110, 8392-8412.	13.7	30
101	Ultralow drift in organic thin-film transistor chemical sensors by pulsed gating. <i>Journal of Applied Physics</i> , 2007, 102, 034515.	2.5	30
102	Organic Thin-Film Transistors for Selective Hydrogen Peroxide and Organic Peroxide Vapor Detection. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24566-24572.	3.1	30
103	Symmetry aspects of the electronic spectra of binuclear complexes with D _{3h} symmetry. <i>Inorganic Chemistry</i> , 1980, 19, 697-700.	4.0	29
104	Electronic absorption and emission spectra of complexes containing dichromium, dimolybdenum, and ditungsten quadruple bonds. <i>Journal of the American Chemical Society</i> , 1983, 105, 5311-5320.	13.7	29
105	Kinetics of cis-trans isomerization and reductive elimination in dihydridobis(trimethylphosphine)platinum(II). <i>Inorganic Chemistry</i> , 1988, 27, 1768-1775.	4.0	29
106	Spectroscopic and theoretical studies of metal cluster complexes. 1. The helium (He I) photoelectron spectrum of nonachlorotrirhenium. Calculations by the SCC DV X.alpha. method of nonachlorotrirhenium. <i>Journal of the American Chemical Society</i> , 1979, 101, 5896-5901.	13.7	28
107	Electronic structures of transition metal cluster complexes. <i>Coordination Chemistry Reviews</i> , 1981, 38, 89-138.	18.8	28
108	The electronic structure of vanadium hexacarbonyl. Why it is black. <i>Journal of the American Chemical Society</i> , 1983, 105, 2308-2314.	13.7	28

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109	Periodic trends and ligand effects in the substitution labilities of tetrametal cluster complexes of the cobalt triad. Molecular structure of Rh ₄ (CO) ₈ {HC[P(C ₆ H ₅) ₂] ₃ }[P(OC ₂ H ₅) ₃]. Journal of the American Chemical Society, 1989, 111, 3615-3627.	13.7	28
110	Synthesis, electronic structure, and reactivity of metallacyclotetraazapentadienes.. Accounts of Chemical Research, 1990, 23, 426-431.	15.6	28
111	Mechanism of Nitrous Oxide Formation by Metal-Catalyzed Reduction of Nitric Oxide in Aqueous Solution. Journal of the American Chemical Society, 1997, 119, 1668-1675.	13.7	28
112	Pentacarbonylrhenium Halides. Inorganic Syntheses, 2007, , 41-46.	0.3	28
113	Delocalized .pi. bonding in tetraazadiene metallocycles. Journal of the American Chemical Society, 1981, 103, 192-193.	13.7	27
114	Kinetics and mechanisms of substitution at paramagnetic metal centers in organometallic complexes. International Journal of Chemical Kinetics, 1987, 19, 1025-1047.	1.6	27
115	Synthesis and structure of the trinuclear palladium cluster [Pd ₃ (PEt ₃) ₃ (.mu. ₂ -NPh) ₂ (.mu. ₂ -NHPPh)]Cl, containing bridging imido and amido ligands. Inorganic Chemistry, 1990, 29, 1099-1102.	4.0	27
116	Photopolymerization of Liquid Carbon Disulfide Produces Nanoscale Polythiene Films. Journal of the American Chemical Society, 2001, 123, 1199-1207.	13.7	27
117	Electrochemical studies of an oxidatively induced ring slippage in 17-electron (Î-3-indenyl)(Î-5-indenyl)V(CO) ₂ . Journal of Organometallic Chemistry, 1990, 383, 271-278.	1.8	26
118	Ambient induced degradation and chemically activated recovery in copper phthalocyanine thin film transistors. Journal of Applied Physics, 2009, 106, .	2.5	26
119	Hollow iron-silica nanoshells for enhanced high intensity focused ultrasound. Journal of Surgical Research, 2014, 190, 391-398.	1.6	26
120	Theoretical, spectroscopic, and electrochemical studies of tetracobalt, tetrarhodium, and tetrairidium dodecacarbonyl and tris(diphenylphosphino)methane-substituted derivatives. Journal of the American Chemical Society, 1987, 109, 4276-4281.	13.7	25
121	Synthesis and molecular structure of chlorobis(tetraphenylcyclopentadienyl)titanium(III). Synthesis and variable-temperature proton NMR study of dichlorobis(tetraphenylcyclopentadienyl)titanium(IV). Organometallics, 1987, 6, 2524-2531.	2.3	25
122	Theoretical study of bimolecular nucleophilic substitution at four, five-, and six-coordinate metal carbonyl radicals. Journal of the American Chemical Society, 1988, 110, 4942-4953.	13.7	25
123	Spectroscopic and theoretical analysis of the intense 1T _{1u} .rarw. 1A _{1g} transitions in hexacarbonylmolybdenum and hexacarbonyltungsten. Inorganic Chemistry, 1979, 18, 2131-2136.	4.0	24
124	Assignment of metal-nitrogen stretching frequencies in metal nitrene complexes. Inorganic Chemistry, 1985, 24, 3098-3099.	4.0	24
125	Bilayer processing for an enhanced organic-electrode contact in ultrathin bottom contact organic transistors. Applied Physics Letters, 2008, 92, 193311.	3.3	24
126	Lewis acidâ€“base interactions enhance explosives sensing in silacycle polymers. Analytical and Bioanalytical Chemistry, 2009, 395, 387-392.	3.7	24

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127	Pairwise exchange of carbon monoxide in manganese-rhenium decacarbonyl. <i>Journal of the American Chemical Society</i> , 1986, 108, 1894-1898.	13.7	23
128	Manganese(I) and Rhenium(I) Pentacarbonyl(Trifluoromethanesulfonato) Complexes. <i>Inorganic Syntheses</i> , 2007, , 113-117.	0.3	23
129	Spectroscopic and theoretical studies of iron tricarbonyl 1,4-dimethyltetraazadiene and related complexes. Evidence for a Hückel aromatic metal-nitrogen ring. <i>Inorganic Chemistry</i> , 1981, 20, 980-986.	4.0	22
130	Assessment of in vivo systemic toxicity and biodistribution of iron-doped silica nanoshells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 933-942.	3.3	22
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