

William C Trogler

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/525754/william-c-trogler-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

224
papers

10,457
citations

50
h-index

93
g-index

243
ext. papers

11,001
ext. citations

8.6
avg, IF

6.11
L-index

#	Paper	IF	Citations
224	Immunostimulatory TLR7 agonist-nanoparticles together with checkpoint blockade for effective cancer immunotherapy. <i>Advanced Therapeutics</i> , 2020 , 3, 1900200	4.9	5
223	Thickness and Sphericity Control of Hollow Hard Silica Shells through Iron (III) Doping: Low Threshold Ultrasound Contrast Agents. <i>Advanced Functional Materials</i> , 2019 , 29, 1900893	15.6	4
222	Microshell Enhanced Acoustic Adjuvants for Immunotherapy in Glioblastoma. <i>Advanced Therapeutics</i> , 2019 , 2, 1900066	4.9	3
221	Conjugation of a Small-Molecule TLR7 Agonist to Silica Nanoshells Enhances Adjuvant Activity. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26637-26647	9.5	8
220	MRI-guided transurethral insonation of silica-shell phase-shift emulsions in the prostate with an advanced navigation platform. <i>Medical Physics</i> , 2019 , 46, 774-788	4.4	2
219	Extended Lifetime In Vivo Pulse Stimulated Ultrasound Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 222-229	11.7	10
218	Identifying lost surgical needles with visible and near infrared fluorescent light emitting microscale coating. <i>Surgery</i> , 2018 , 163, 883-888	3.6	2
217	A Highly Sensitive Enzymatic Catalysis System for Trace Detection of Arsenic in Water. <i>Chemistry - A European Journal</i> , 2017 , 23, 10289-10292	4.8	5
216	Ultrasound Responsive Macrophase-Segregated Microcomposite Films for in Vivo Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1719-1727	9.5	2
215	Silica Shells/Adhesive Composite Film for Color Doppler Ultrasound Guided Needle Placement. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 1780-1787	5.5	0
214	Assessment of in vivo systemic toxicity and biodistribution of iron-doped silica nanoshells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 933-942	6	18
213	Utilization of iron (III)-doped nanoshells for in vivo marking of nonpalpable tumors using a VX2 rabbit model. <i>American Journal of Surgery</i> , 2016 , 212, 1140-1146	2.7	2
212	Comment on Fluorescence sensing of arsenate at nanomolar level in a greener way: naphthalene based probe for living cell imaging? <i>Chemical Communications</i> , 2015 , 51, 14775-7	5.8	5
211	Quantification of endocytosis using a folate functionalized silica hollow nanoshell platform. <i>Journal of Biomedical Optics</i> , 2015 , 20, 88003	3.5	5
210	Alkaline and ultrasonic dissolution of biological materials for trace silicon determination. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015 , 33, 031803	1.3	2
209	Mechanically Tunable Hollow Silica Ultrathin Nanoshells for Ultrasound Contrast Agents. <i>Advanced Functional Materials</i> , 2015 , 25, 4049-4057	15.6	42
208	Dual-porosity hollow nanoparticles for the immunoprotection and delivery of nonhuman enzymes. <i>Nano Letters</i> , 2014 , 14, 3023-32	11.5	61

207	Synthesis and surface functionalization of silica nanoparticles for nanomedicine. <i>Surface Science Reports</i> , 2014 , 69, 132-158	12.9	329
206	Encapsulation of adenovirus serotype 5 in anionic lecithin liposomes using a bead-based immunoprecipitation technique enhances transfection efficiency. <i>Biomaterials</i> , 2014 , 35, 9554-61	15.6	28
205	Self-assembled Targeting of Cancer Cells by Iron(III)-doped, Silica Nanoparticles. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 8017-8025	7.3	16
204	Hollow iron-silica nanoshells for enhanced high intensity focused ultrasound. <i>Journal of Surgical Research</i> , 2014 , 190, 391-8	2.5	24
203	Luminescent tris(8-hydroxyquinolates) of bismuth(III). <i>Inorganic Chemistry</i> , 2013 , 52, 12033-45	5.1	12
202	Color Doppler ultrasound and gamma imaging of intratumorally injected 500 nm iron-silica nanoshells. <i>ACS Nano</i> , 2013 , 7, 6367-77	16.7	41
201	Atomic imaging of the irreversible sensing mechanism of NO ₂ adsorption on copper phthalocyanine. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14600-9	16.4	48
200	Hollow silica and silica-boron nano/microparticles for contrast-enhanced ultrasound to detect small tumors. <i>Biomaterials</i> , 2012 , 33, 5124-9	15.6	66
199	Europium Doped TiO ₂ Hollow Nanoshells: Two-Photon Imaging of Cell Binding. <i>Chemistry of Materials</i> , 2012 , 24, 4222-4230	9.6	41
198	Air-stable spin-coated naphthalocyanine transistors for enhanced chemical vapor detection. <i>Langmuir</i> , 2012 , 28, 6192-200	4	15
197	Iron(III)-doped, silica nanoshells: a biodegradable form of silica. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13997-4003	16.4	98
196	Silica anchored fluorescent organosilicon polymers for explosives separation and detection. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2908-2914		44
195	Organic Thin-Film Transistors for Selective Hydrogen Peroxide and Organic Peroxide Vapor Detection. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 24566-24572	3.8	27
194	Integrated processing of contrast pulse sequencing ultrasound imaging for enhanced active contrast of hollow gas filled silica nanoshells and microshells. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012 , 30, 2C104	1.3	11
193	Red-luminescent europium (III) doped silica nanoshells: synthesis, characterization, and their interaction with HeLa cells. <i>Journal of Biomedical Optics</i> , 2011 , 16, 066012	3.5	18
192	Analyte selective response in solution-deposited tetrabenzoporphyrin thin-film field-effect transistor sensors. <i>Sensors and Actuators B: Chemical</i> , 2011 , 158, 333-339	8.5	19
191	Chemical Sensing with Semiconducting Metal Phthalocyanines. <i>Structure and Bonding</i> , 2011 , 91-117	0.9	8
190	Mobility saturation in tapered edge bottom contact copper phthalocyanine thin film transistors. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, C5F22-C5F27 ¹⁻³		7

189	Hard shell gas-filled contrast enhancement particles for colour Doppler ultrasound imaging of tumors. <i>MedChemComm</i> , 2010 , 1, 266-270	5	73
188	Hollow silica nanospheres containing a silafluorene-fluorene conjugated polymer for aqueous TNT and RDX detection. <i>Chemical Communications</i> , 2010 , 46, 6804-6	5.8	49
187	Ambient induced degradation and chemically activated recovery in copper phthalocyanine thin film transistors. <i>Journal of Applied Physics</i> , 2009 , 106, 034505	2.5	23
186	Lewis acid-base interactions enhance explosives sensing in silacycle polymers. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 387-92	4.4	20
185	Automated microscopy to evaluate surgical specimens via touch prep in breast cancer. <i>Annals of Surgical Oncology</i> , 2009 , 16, 709-20	3.1	15
184	Analyte chemisorption and sensing on n- and p-channel copper phthalocyanine thin-film transistors. <i>Journal of Chemical Physics</i> , 2009 , 130, 164703	3.9	61
183	Comparative gas sensing in cobalt, nickel, copper, zinc, and metal-free phthalocyanine chemiresistors. <i>Journal of the American Chemical Society</i> , 2009 , 131, 478-85	16.4	234
182	A density functional theory study of the correlation between analyte basicity, ZnPc adsorption strength, and sensor response. <i>Journal of Chemical Physics</i> , 2009 , 130, 204307	3.9	20
181	NO chemisorption dynamics on thick FePc and ttbu-FePc films. <i>Journal of Chemical Physics</i> , 2009 , 130, 174305	3.9	5
180	Synthesis of Hollow Silica and Titania Nanospheres. <i>Chemistry of Materials</i> , 2008 , 20, 2875-2877	9.6	125
179	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		66
178	Catalytic Hydrosilylation Routes to Divinylbenzene Bridged Silole and Silafluorene Polymers. Applications to Surface Imaging of Explosive Particulates. <i>Macromolecules</i> , 2008 , 41, 1237-1245	5.5	114
177	Efficient blue-emitting silafluorenefluorene-conjugated copolymers: selective turn-off/turn-on detection of explosives. <i>Journal of Materials Chemistry</i> , 2008 , 18, 3143		193
176	Bilayer processing for an enhanced organic-electrode contact in ultrathin bottom contact organic transistors. <i>Applied Physics Letters</i> , 2008 , 92, 193311	3.4	23
175	Hydrosilylation of Diynes as a Route to Functional Polymers Delocalized Through Silicon. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 1527-1540	2.6	67
174	Selective detection of vapor phase hydrogen peroxide with phthalocyanine chemiresistors. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3712-3	16.4	101
173	Pentacarbonylrhenium Halides. <i>Inorganic Syntheses</i> , 2007 , 160-165		70
172	Gas sensing mechanism in chemiresistive cobalt and metal-free phthalocyanine thin films. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5640-6	16.4	177

171	Ultrathin organic transistors for chemical sensing. <i>Applied Physics Letters</i> , 2007 , 90, 263506	3.4	89
170	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	9.6	280
169	Chlorohydridobis(Trialkylphosphine)-Platinum(II) Complexes. <i>Inorganic Syntheses</i> , 2007 , 189-192		2
168	Enhanced Touch Preps Improve the Ease of Interpretation of Intraoperative Breast Cancer Margins. <i>American Surgeon</i> , 2007 , 73, 973-976	0.8	11
167	Visual detection of trace nitroaromatic explosive residue using photoluminescent metallole-containing polymers. <i>Journal of Forensic Sciences</i> , 2007 , 52, 79-83	1.8	64
166	Selective detection of trace nitroaromatic, nitramine, and nitrate ester explosive residues using a three-step fluorimetric sensing process: a tandem turn-off, turn-on sensor. <i>Journal of Forensic Sciences</i> , 2007 , 52, 1308-13	1.8	16
165	trans-Dicarbonyl-Di-Iodo-Diiododiplatinum(II). <i>Inorganic Syntheses</i> , 2007 , 188-189		2
164	Ultralow drift in organic thin-film transistor chemical sensors by pulsed gating. <i>Journal of Applied Physics</i> , 2007 , 102, 034515	2.5	29
163	Pentacarbonylrhenium Halides. <i>Inorganic Syntheses</i> , 2007 , 41-46		20
162	Bis (Phosphine) Derivatives of Iron Pentacarbonyl and Tetracarbonyl (Tri-tert-Butylphosphine) Iron (0). <i>Inorganic Syntheses</i> , 2007 , 151-156		5
161	η -Hydrido-tetrakis(tertiary phosphine)diplatinum Cations. <i>Inorganic Syntheses</i> , 2007 , 30-38		2
160	Bis(Phosphine) Derivatives of Iron Pentacarbonyl and Tetracarbonyl (Tri-tert-Butylphosphine)Iron(O). <i>Inorganic Syntheses</i> , 2007 , 173-179		6
159	Manganese(I) and Rhenium(I) Pentacarbonyl(Trifluoromethanesulfonato) Complexes. <i>Inorganic Syntheses</i> , 2007 , 113-117		20
158	Enhanced touch preps improve the ease of interpretation of intraoperative breast cancer margins. <i>American Surgeon</i> , 2007 , 73, 973-6	0.8	9
157	Polymer sensors for nitroaromatic explosives detection. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2871		865
156	Electrode independent chemoresistive response for cobalt phthalocyanine in the space charge limited conductivity regime. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 361-6	3.4	31
155	Luminescent oligo(tetraphenyl)silole nanoparticles as chemical sensors for aqueous TNT. <i>Chemical Communications</i> , 2005 , 5465-7	5.8	146
154	Syntheses of Oligometalloles by Catalytic Dehydrocoupling. <i>Organometallics</i> , 2005 , 24, 3081-3087	3.8	41

153	Luminescent silole nanoparticles as chemoselective sensors for Cr(VI). <i>Journal of the American Chemical Society</i> , 2005 , 127, 11661-5	16.4	305
152	Luminescent Inorganic Polymer Sensors for Vapour Phase and Aqueous Detection of TNT 2004 , 39-52		2
151	Luminescent Inorganic Polymer Sensors for Vapour Phase and Aqueous Detection of TNT 2004 , 39-52		1
150	Detection of nitroaromatic explosives based on photoluminescent polymers containing metalloles. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3821-30	16.4	608
149	Detection of TNT and Picric Acid on Surfaces and in Seawater by Using Photoluminescent Polysiloles. <i>Angewandte Chemie</i> , 2001 , 113, 2162-2163	3.6	44
148	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	16.4	267
147	Photopolymerization of liquid carbon disulfide produces nanoscale polythiethene films. <i>Journal of the American Chemical Society</i> , 2001 , 123, 1199-207	16.4	26
146	Detection of TNT and Picric Acid on Surfaces and in Seawater by Using Photoluminescent Polysiloles This work was supported through DARPA's Tactical Sensors Program through a Space and Naval Warfare Systems Center Contract (N66001-98-C-8514) and the National Science Foundation, Division of Material Research (Grant No. DMR 9900034). The technical point of contact	16.4	2
145	Detection of nitrobenzene, DNT, and TNT vapors by quenching of porous silicon photoluminescence. <i>Chemistry - A European Journal</i> , 2000 , 6, 2205-13	4.8	155
144	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	16.4	258
143	Slow Heterogeneous Charge Transfer Kinetics for the ClO ₂ -/ClO ₂ Redox Couple at Platinum, Gold, and Carbon Electrodes. Evidence for Nonadiabatic Electron Transfer. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 10461-10469	2.8	16
142	Physical properties and mechanisms of formation of nitrous oxide. <i>Coordination Chemistry Reviews</i> , 1999 , 187, 303-327	23.2	124
141	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	2.8	49
140	Aqueous Catalytic Disproportionation and Oxidation of Nitric Oxide. <i>Environmental Science & Technology</i> , 1998 , 32, 876-881	10.3	15
139	SOURCES AND MECHANISMS OF NITROUS OXIDE FORMATION. <i>Critical Reviews in Analytical Chemistry</i> , 1998 , 28, 433-437	5.2	1
138	The long-wavelength photochemistry of carbon disulfide. <i>Journal of Geophysical Research</i> , 1997 , 102, 19029-19041		5
137	Mechanism of Nitrous Oxide Formation by Metal-Catalyzed Reduction of Nitric Oxide in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 1997 , 119, 1668-1675	16.4	25
136	Catalytic Decomposition of Ammonium Nitrate in Superheated Aqueous Solutions. <i>Journal of the American Chemical Society</i> , 1997 , 119, 9738-9744	16.4	29

135	Photopolymerization and Mass-Independent Sulfur Isotope Fractionations in Carbon Disulfide. <i>Science</i> , 1996 , 273, 774-6	33.3	44
134	Efficient Cleavage of DNA by Iron(III) Triazacyclononane Derivatives. <i>Journal of the American Chemical Society</i> , 1995 , 117, 3983-3993	16.4	50
133	Characterization of (Trimethyltriazacyclononane)triazozinc(II) Nitrate. A Nonbridged Isomer. <i>Inorganic Chemistry</i> , 1995 , 34, 2487-2489	5.1	8
132	The Environmental Chemistry of Trace Atmospheric Gases. <i>Journal of Chemical Education</i> , 1995 , 72, 973	2.4	43
131	Photopolymerization of Carbon Disulfide Yields the High-Pressure-Phase (CS ₂) _x . <i>Journal of the American Chemical Society</i> , 1995 , 117, 11270-11277	16.4	45
130	Palladium complexes present during the catalytic reduction of NO to N ₂ O. <i>Inorganica Chimica Acta</i> , 1995 , 240, 299-304	2.7	11
129	Synthesis and reactivity of palladium phosphine complex [cyclic] [tert-Bu ₂ P(CH ₂) ₂ CH(CH ₂) ₂ PBu-tert ₂]PdX (X = Cl, Me, H, BF ₄). <i>Organometallics</i> , 1993 , 12, 738-743	3.8	43
128	Protonolysis approach to the catalytic amination of olefins with bis(phosphine)palladium(II) dialkyls. <i>Organometallics</i> , 1993 , 12, 744-751	3.8	70
127	Interaction of binuclear transition metal complexes with DNA. <i>Inorganic Chemistry</i> , 1993 , 32, 5851-5867	5.1	34
126	Synthesis and molecular structure of bis(tetraphenylcyclopentadienyl)tetrakis(ε-trifluoroacetato)divanadium(III). <i>Inorganica Chimica Acta</i> , 1993 , 205, 153-156	2.7	3
125	Bis(benzyl-di-2-pyridylamine)-η ² ,η ² -(s-trans-isoprene) dicopper(I) bistrifluoromethanesulfonate. A stable Cu ₁ -diene complex. <i>Journal of Organometallic Chemistry</i> , 1993 , 452, 271-275	2.3	8
124	One-electron oxidative cleavage of palladium(II) alkyl and phenoxo bonds. <i>Journal of the American Chemical Society</i> , 1992 , 114, 7085-7089	16.4	41
123	Mechanism of halide-induced disproportionation of M(CO) ₃ (PCy ₃) ₂ + 17-electron radicals (M = iron, ruthenium, osmium). Periodic trends on reactivity and the role of ion pairs. <i>Journal of the American Chemical Society</i> , 1992 , 114, 3355-3361	16.4	30
122	Hydrolysis of phosphate diesters with copper(II) catalysts. [Erratum to document cited in CA109(15):129165f]. <i>Inorganic Chemistry</i> , 1992 , 31, 1544-1544	5.1	2
121	Kinetics and mechanism of oxidative cleavage of the metal-metal bond in [M ₂ (CO) ₁₀] ₂ [M = Cr, Mo and W]. <i>Inorganica Chimica Acta</i> , 1992 , 198-200, 633-638	2.7	3
120	[(CO) ₃ (PPh ₃) ₂ OsAg(O ₂ CCF 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		35
119	[(CO) ₃ (PPh ₃) ₂ OsAg(O ₂ CCF ₃)], eine Modellverbindung für Intermediate bei Elektronentransfer-Reaktionen. <i>Angewandte Chemie</i> , 1992 , 104, 806-808	3.6	2
118	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	5.1	95

117	Nylon production: an unknown source of atmospheric nitrous oxide. <i>Science</i> , 1991 , 251, 932-4	33.3	236
116	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	16.4	125
115	Structure of 1,4-diphenyl-2-tetrazenidobis(triethylphosphine)nickel. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1990 , 46, 900-902		2
114	Structure of cis-diacetylidobis(triethylphosphine)platinum(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1990 , 46, 1648-1650		6
113	Electrochemical studies of an oxidatively induced ring slippage in 17-electron (β -indenyl)(β -indenyl)V(CO) ₂ . <i>Journal of Organometallic Chemistry</i> , 1990 , 383, 271-278	2.3	22
112	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	3.8	59
111	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	5.1	27
110	Electronic structures and reactivities of metal cluster complexes. <i>Accounts of Chemical Research</i> , 1990 , 23, 239-246	24.3	7
109	Synthesis and structure of the trinuclear palladium cluster [Pd ₃ (PET ₃) ₃ (μ -2-NPh) ₂ (μ -2-NHP)]Cl, containing bridging imido and amido ligands. <i>Inorganic Chemistry</i> , 1990 , 29, 1099-1102	5.1	13
108	Synthesis, structure, and properties of dicarbonyl bis(phosphine) 1,4-diphenyltetraazabutadiene complexes of molybdenum and tungsten. <i>Organometallics</i> , 1990 , 9, 1470-1478	3.8	18
107	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	4.2	24
106	Synthesis, electronic structure, and reactivity of metallacyclotetraazapentadienes.. <i>Accounts of Chemical Research</i> , 1990 , 23, 426-431	24.3	24
105	Hydrolysis of phosphodiester with nickel(II), copper(II), zinc(II), palladium(II), and platinum(II) complexes. <i>Inorganic Chemistry</i> , 1990 , 29, 2409-2416	5.1	96
104	Structure of bis(1,10-phenanthroline)trifluoromethanesulfonatolithium. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1989 , 45, 1152-1154		3
103	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]. <i>Journal of the American Chemical Society</i> , 1989 , 111, 3615-3627	16.4	24
102	Synthesis, structure, and physical properties of tetrakis(μ -diphenyl phosphato)dimolybdenum(II). <i>Inorganic Chemistry</i> , 1989 , 28, 615-618	5.1	6
101	Synthetic, structural, and theoretical studies of diphenyltetraazene complexes of silicon and germanium. <i>Organometallics</i> , 1989 , 8, 738-744	3.8	11
100	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	16.4	128

99	Hydrolysis of phosphate triesters with copper(II) catalysts. <i>Inorganic Chemistry</i> , 1989 , 28, 2330-2333	5.1	50
98	Kinetics of CO substitution in Co ₄ (CO) ₁₂ and Rh ₄ (CO) ₁₂ . <i>Inorganica Chimica Acta</i> , 1988 , 146, 75-84	2.7	14
97	Kinetics of cis-trans isomerization and reductive elimination in dihydridobis(trimethylphosphine)platinum(II). <i>Inorganic Chemistry</i> , 1988 , 27, 1768-1775	5.1	25
96	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	3.8	40
95	Catalytic reactions of sterically unhindered hydrido-bis(phosphine) platinum complexes. <i>Journal of Chemical Education</i> , 1988 , 65, 294	2.4	10
94	Theoretical study of bimolecular nucleophilic substitution at four, five-, and six-coordinate metal carbonyl radicals. <i>Journal of the American Chemical Society</i> , 1988 , 110, 4942-4953	16.4	22
93	Synthesis and molecular structure of 1,4-diphenyltetrazenido complexes of bis(phosphine)nickel, -palladium, and -platinum. <i>Inorganic Chemistry</i> , 1988 , 27, 1215-1219	5.1	19
92	Hydrolysis of phosphate diesters with copper(II) catalysts. <i>Inorganic Chemistry</i> , 1988 , 27, 3387-3394	5.1	119
91	Electronic structures and EPR spectra of carbonylbis(cyclopentadienyl) vanadium(II) and carbonylbis(pentadienyl)vanadium(II). <i>Organometallics</i> , 1988 , 7, 1425-1434	3.8	15
90	Spectroscopic, structural, electrochemical, and kinetic studies of ligand substitution in the 33e dinuclear radical Fe ₂ (CO) ₇ (μ-PPh ₂) and the 34e analogs [Fe ₂ (CO) ₇ (μ-PPh ₂)]- and FeCo(CO) ₇ (μ-PPh ₂). <i>Journal of the American Chemical Society</i> , 1988 , 110, 8392-8412	16.4	24
89	Silica-supported bis(trialkylphosphine)platinum oxalates. Photogenerated catalysts for hydrosilylation of olefins. <i>Journal of the American Chemical Society</i> , 1987 , 109, 3586-3595	16.4	49
88	Theoretical, spectroscopic, and electrochemical studies of tetracobalt, tetrarhodium, and tetrairidium dodecacarbonyl and tris(diphenylphosphino)methane-substituted derivatives. <i>Journal of the American Chemical Society</i> , 1987 , 109, 4276-4281	16.4	23
87	Electronic structures of bis(benzene)chromium and the C _{2h} and C _{2v} isomers of bis(naphthalene)chromium. <i>Organometallics</i> , 1987 , 6, 94-100	3.8	17
86	Generation of mono- and dianions of 1,4-diphenyl-2-tetrazene by nonoxidative N-N bond formation. A novel route to a 2-tetrazene, a silacyclopentazene, and the tetrazenide complex (1,4-diphenyltetrazenido)bis(triethylphosphine) palladium. <i>Journal of the American Chemical Society</i> , 1987 , 109, 5050-5054	16.4	14
85	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	3.8	60
84	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(μ ₃ -sulfido)-2,2',3,3'-tetrakis(trimethylphosphine)-triangulo-tripalladium(II). <i>Inorganic Chemistry</i> , 1987 , 26, 359-365	5.1	26
83	Molecular structure of (μ ₃ -eta ¹ -nitrosobenzene-N)(μ ₃ -eta ² -nitrosobenzene-N,O)(eta ¹ -nitrosobenzene-N)tris(trimethylphosphine)dipalladium(II) complex containing three linkage isomers of nitrosobenzene. <i>Inorganic Chemistry</i> , 1987 , 26, 4308-4309	5.1	6
82	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	16.4	38

81	Synthesis and molecular structure of chlorobis(tetraphenylcyclopentadienyl)titanium(III). Synthesis and variable-temperature proton NMR study of dichlorobis(tetraphenylcyclopentadienyl)titanium(IV). <i>Organometallics</i> , 1987 , 6, 2524-2531	3.8	23
80	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	16.4	40
79	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	3.8	68
78	Kinetics and mechanisms of substitution at paramagnetic metal centers in organometallic complexes. <i>International Journal of Chemical Kinetics</i> , 1987 , 19, 1025-1047	1.4	20
77	Reactions between dimanganese, dirhenium, and manganese-rhenium decacarbonyl and oxidants. <i>Inorganica Chimica Acta</i> , 1987 , 131, 181-189	2.7	11
76	Silica anchored bis(trialkylphosphine) platinum oxalate. A photogenerated catalyst for olefin hydrosilation. <i>Monatshefte Für Chemie</i> , 1986 , 117, 617-619	1.4	2
75	Photochemical Production of Reactive Organometallics for Synthesis and Catalysis. <i>ACS Symposium Series</i> , 1986 , 177-196	0.4	6
74	Catalytic hydration of terminal alkenes to primary alcohols. <i>Science</i> , 1986 , 233, 1069-71	33.3	45
73	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	16.4	29
72	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	16.4	51
71	Unexpected dissociative kinetics for carbon monoxide exchange in the 17-electron complexes carbonylbis(η -5-pentadienyl)vanadium(II), carbonyl(η -5-cyclopentadienyl)(η -5-pentadienyl)vanadium(II), and carbonyl(η -5-cyclopentadienyl)(η -5-2,4-dimethylpentadienyl)vanadium(II). <i>Journal of the American Chemical Society</i> , 1986 , 108, 3697-3702	16.4	13
70	Tricarbonylbis(phosphine)iron(I) cation radicals. A spectroscopic and theoretical study. <i>Journal of the American Chemical Society</i> , 1986 , 108, 3697-3702	16.4	25
69	Quenching of excited-state reactivity of (oxalato)bis(triethylphosphine)platinum(II) by water. <i>Inorganic Chemistry</i> , 1986 , 25, 4454-4456	5.1	4
68	Barrier to reductive elimination of hydrogen from dihydridobis(trimethylphosphine)platinum(II). <i>Journal of the American Chemical Society</i> , 1986 , 108, 5036-5038	16.4	16
67	Synthesis, molecular structure, and 2-D NMR analysis of bis(tetraphenylcyclopentadienyl)iron(II). <i>Organometallics</i> , 1986 , 5, 1116-1122	3.8	52
66	Pairwise exchange of carbon monoxide in manganese-rhenium decacarbonyl. <i>Journal of the American Chemical Society</i> , 1986 , 108, 1894-1898	16.4	22
65	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, 2460-1	16.4	62
64	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	16.4	103

63	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	3.9	44
62	Assignment of metal-nitrogen stretching frequencies in metal nitrene complexes. <i>Inorganic Chemistry</i> , 1985 , 24, 3098-3099	5.1	17
61	Synthetic, structural, spectroscopic, and theoretical studies of decamethylvanadocene arylnitrenes. <i>Journal of the American Chemical Society</i> , 1985 , 107, 7945-7952	16.4	44
60	Photochemical generation of bis(phosphine)palladium and bis(phosphine)platinum equivalents. <i>Organometallics</i> , 1985 , 4, 647-657	3.8	81
59	Properties of (trifluoromethanesulfonato)pentacarbonylmanganese(I) and -rhenium(I). Reactions in superacid solvents. <i>Inorganic Chemistry</i> , 1985 , 24, 1972-1978	5.1	41
58	Synthesis, structure, and electronic properties of $(\eta^5-C_5Me_5)_2V(\mu-O)V(CO)_5$. A complex with a linear vanadium-oxygen-carbon-vanadium bond. <i>Journal of the American Chemical Society</i> , 1985 , 107, 6292-6297	16.4	38
57	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	5.1	40
56	Redox chemistry of cyclopentadienylcobalt tetraazabutadienes. Characterization of 19-electron anionic complexes. <i>Journal of the American Chemical Society</i> , 1984 , 106, 4144-4151	16.4	29
55	Photochemistry of cyclopentadienylcobalt 1,4-diaryltetraazadienes. Examples of CH, CF, and CC bond breaking. <i>Inorganic Chemistry</i> , 1984 , 23, 2968-2973	5.1	11
54	Mechanism of halogenation of dimanganese, manganese-rhenium, and dirhenium decacarbonyls. <i>Journal of the American Chemical Society</i> , 1984 , 106, 1308-1313	16.4	15
53	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	16.4	67
52	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	16.4	33
51	Origin of the exceptional reactivity of vanadium pentacarbonyl nitrosyl. <i>Inorganic Chemistry</i> , 1984 , 23, 957-960	5.1	18
50	Mechanism of Lewis base induced disproportionation of vanadium hexacarbonyl. <i>Journal of the Chemical Society Chemical Communications</i> , 1983 , 650		5
49	Reversible formation of $Pt_2(\mu-H)_2H(PtEt_3)_4^+$ and $Pt_2(\mu-H)H_2(PtEt_3)_4^+$ from the cis and trans isomers of dihydrobis(triethylphosphine)platinum(II). <i>Inorganic Chemistry</i> , 1983 , 22, 1038-1048	5.1	35
48	Nature of the frontier orbitals in phosphine, trimethylphosphine, and trifluorophosphine. <i>Journal of the American Chemical Society</i> , 1983 , 105, 7033-7037	16.4	107
47	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	16.4	25
46	The electronic structure of vanadium hexacarbonyl. Why it is black. <i>Journal of the American Chemical Society</i> , 1983 , 105, 2308-2314	16.4	25

45	Spectroscopic and theoretical studies of binuclear molybdenum(II) carboxylates. <i>The Journal of Physical Chemistry</i> , 1983 , 87, 3083-3088		15
44	Crossover experiments and the mechanism of substitution of metal-metal-bonded carbonyls. <i>Inorganic Chemistry</i> , 1982 , 21, 1698-1699	5.1	14
43	Photochemical generation of bis(triethylphosphine)platinum(0) and synthesis of ethylenebis(triethylphosphine)platinum(0). <i>Organometallics</i> , 1982 , 1, 768-770	3.8	20
42	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	16.4	53
41	Mechanism of carbon monoxide substitution in a metal radical: vanadium hexacarbonyl. <i>Journal of the American Chemical Society</i> , 1982 , 104, 4032-4034	16.4	38
40	Electronic spectra of tetrakis(μ -acetato)dimolybdenum(II) in matrixes at 10 K. <i>Inorganic Chemistry</i> , 1982 , 21, 2797-2800	5.1	5
39	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	16.4	86
38	Kinetics and mechanism of ligand substitution in iron tricarbonyl 1,4-diazabutadiene complexes. <i>Organometallics</i> , 1982 , 1, 1033-1037	3.8	11
37	Photochemical reactions of a cobaltacyclopentadiene and the molecular structure of (η -5-Cyclopentadienyl)(η -4-1,2,3,4-tetraphenyl-2-butene-1,4-dione-O,C,CPC")cobalt(I). <i>Organometallics</i> , 1982 , 1, 536-542	3.8	5
36	Cyclopentadienylcobalt 1,4-diaryltetraazadienes. A structural, spectroscopic, and theoretical study. <i>Organometallics</i> , 1982 , 1, 732-739	3.8	18
35	Stereochemical aspects of iron tricarbonyl (1,4-dimethyltetraazabutadiene) and related complexes. <i>Inorganic Chemistry</i> , 1982 , 21, 427-429	5.1	5
34	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	5.1	49
33	Structural and spectroscopic study of cyclopentadienylcobalt (N-phenyl-o-benzoquinone diimines). A case for delocalized π bonding. <i>Organometallics</i> , 1982 , 1, 530-535	3.8	15
32	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	16.4	26
31	Delocalized π bonding in tetraazadiene metallocycles. <i>Journal of the American Chemical Society</i> , 1981 , 103, 192-193	16.4	25
30	The relationship between calculated and experimental electronic transition energies. <i>Computational and Theoretical Chemistry</i> , 1981 , 85, 1-8		1
29	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	5.1	16
28	Kinetics and mechanism of ligand substitution in iron tricarbonyl 1,4-dimethyltetraazabutadiene. <i>Inorganic Chemistry</i> , 1981 , 20, 3167-3172	5.1	12

27	Photochemical loss of dinitrogen from cyclopentadienylcobalt 1,4-diaryltetraazadienes. <i>Journal of Organometallic Chemistry</i> , 1981 , 209, 407-414	2.3	11
26	Reduction of metal carbonyls with alkali metal carbides. <i>Inorganica Chimica Acta</i> , 1981 , 50, 247-250	2.7	9
25	Electronic structures of transition metal cluster complexes. <i>Coordination Chemistry Reviews</i> , 1981 , 38, 89-138	23.2	26
24	Orbital concepts and the metal-metal bond. <i>Journal of Chemical Education</i> , 1980 , 57, 424	2.4	15
23	Symmetry aspects of the electronic spectra of binuclear complexes with D _{3h} symmetry. <i>Inorganic Chemistry</i> , 1980 , 19, 697-700	5.1	24
22	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	16.4	21
21	Spectroscopic and theoretical analysis of the intense 1T _{1u} → 1A _{1g} transitions in hexacarbonylmolybdenum and hexacarbonyltungsten. <i>Inorganic Chemistry</i> , 1979 , 18, 2131-2136	5.1	21
20	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	16.4	29
19	Electronic spectra and photochemistry of complexes containing quadruple metal-metal bonds. <i>Accounts of Chemical Research</i> , 1978 , 11, 232-239	24.3	88
18	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	16.4	34
17	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	5.1	30
16	tetrakis[μ-(trifluoroacetato-O,O′)]dimolybdenum(Mo-Mo) at 1.3 K. <i>Inorganic Chemistry</i> , 1977 , 16, 828-836 Emission spectra and lifetimes of octachlorodirhenate(2-), octabromodirhenate(2-), and octachlorodimolybdate(4-) ions at 1.3 K upon excitation of the δ → δ^* transition. <i>Inorganic Chemistry</i> , 1977 , 16, 3031-3033	5.1	18
15	Electronic structure of dimolybdenum tetraformate, dimolybdenum(4+) ion, and dimolybdenum. <i>Inorganic Chemistry</i> , 1977 , 16, 987-993	5.1	85
14	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	16.4	32
13	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	16.4	31
12	Electronic structures and spectra of nitrido complexes of osmium(VI). <i>Inorganic Chemistry</i> , 1976 , 15, 1745-1751	12.6	
11	Magnetic Circular Dichroism Spectra of Compounds Containing Quadruple Metal-Metal Bonds. Polarized Single Crystal Absorption Spectra of (n-Bu ₄ N) ₂ [Re ₂ Br ₈] at 5 K. <i>Israel Journal of Chemistry</i> , 1976 , 15, 308-310	3.4	10
10	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	5.1	39

9	Spectroscopic substituent constants for ligands. <i>Inorganic Chemistry</i> , 1975 , 14, 2389-2393	5.1	13
8	Nucleoside complexing. Longitudinal relaxation studies of metal binding sites in adenosine and cytidine. <i>Inorganic Chemistry</i> , 1975 , 14, 2568-2571	5.1	15
7	Reactions of coordinated trialkyl phosphite and related ligands with nucleophiles. <i>Inorganic Chemistry</i> , 1975 , 14, 2748-2751	5.1	9
6	Cobaloxime nitrosyl. Reaction with molecular oxygen formation of coordinated nitrate complexes. <i>Inorganic Chemistry</i> , 1974 , 13, 1008-1010	5.1	35
5	Cis and trans effects on the proton magnetic resonance spectra of cobaloximes. <i>Inorganic Chemistry</i> , 1974 , 13, 1564-1570	5.1	95
4	Trans effect of the good σ donor ligands dimethyl phosphate, methyl phenyl phosphonate, and diphenylphosphinate. Evidence for complete bond breaking in the transition state of S_N1 reactions of dimethylphosphonatecobaloxime and methylcobaloxime complexes. <i>Journal of the American Chemical Society</i> , 1974 , 96, 3687-3699	16.4	17
3	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	16.4	27
2	Insertion Reactions of Carbon Dioxide, Sulfur Dioxide, and Sulfur Trioxide. <i>Inorganic Reactions and Methods</i> , 417-421		1
1	Insertion Reactions of Oxygen. <i>Inorganic Reactions and Methods</i> , 415-417		