

# William C Trogler

## List of Publications by Citations

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

**Version:** 2024-04-29

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	Polymer sensors for nitroaromatic explosives detection. <i>Journal of Materials Chemistry</i> , <b>2006</b> , 16, 2871		865
223	Detection of nitroaromatic explosives based on photoluminescent polymers containing metalloles. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 3821-30	16.4	608
222	Synthesis and surface functionalization of silica nanoparticles for nanomedicine. <i>Surface Science Reports</i> , <b>2014</b> , 69, 132-158	12.9	329
221	Luminescent silole nanoparticles as chemoselective sensors for Cr(VI). <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 11661-5	16.4	305
220	Synthesis, Luminescence Properties, and Explosives Sensing with 1,1-Tetraphenylsilole- and 1,1-Silafluorene-vinylene Polymers. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 6459-6470	9.6	280
219	Detection of TNT and Picric Acid on Surfaces and in Seawater by Using Photoluminescent Polysiloles. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 2104-2105	16.4	267
218	Detection of Fluorophosphonate Chemical Warfare Agents by Catalytic Hydrolysis with a Porous Silicon Interferometer. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 5399-5400	16.4	258
217	Nylon production: an unknown source of atmospheric nitrous oxide. <i>Science</i> , <b>1991</b> , 251, 932-4	33.3	236
216	Comparative gas sensing in cobalt, nickel, copper, zinc, and metal-free phthalocyanine chemiresistors. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 478-85	16.4	234
215	Efficient blue-emitting silafluorenefluorene-conjugated copolymers: selective turn-off/turn-on detection of explosives. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3143		193
214	Gas sensing mechanism in chemiresistive cobalt and metal-free phthalocyanine thin films. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5640-6	16.4	177
213	Detection of nitrobenzene, DNT, and TNT vapors by quenching of porous silicon photoluminescence. <i>Chemistry - A European Journal</i> , <b>2000</b> , 6, 2205-13	4.8	155
212	Luminescent oligo(tetraphenyl)silole nanoparticles as chemical sensors for aqueous TNT. <i>Chemical Communications</i> , <b>2005</b> , 5465-7	5.8	146
211	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> , <b>1989</b> , 111, 4750-4761	16.4	128
210	Synthesis of Hollow Silica and Titania Nanospheres. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 2875-2877	9.6	125
209	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> , <b>1991</b> , 113, 2520-2527	16.4	125
208	Physical properties and mechanisms of formation of nitrous oxide. <i>Coordination Chemistry Reviews</i> , <b>1999</b> , 187, 303-327	23.2	124

207	Hydrolysis of phosphate diesters with copper(II) catalysts. <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 3387-3394	5.1	119
206	Catalytic Hydrosilylation Routes to Divinylbenzene Bridged Silole and Silafluorene Polymers. Applications to Surface Imaging of Explosive Particulates. <i>Macromolecules</i> , <b>2008</b> , 41, 1237-1245	5.5	114
205	Nature of the frontier orbitals in phosphine, trimethylphosphine, and trifluorophosphine. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 7033-7037	16.4	107
204	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> , <b>1986</b> , 108, 723-729	16.4	103
203	Selective detection of vapor phase hydrogen peroxide with phthalocyanine chemiresistors. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 3712-3	16.4	101
202	Iron(III)-doped, silica nanoshells: a biodegradable form of silica. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 13997-4003	16.4	98
201	Hydrolysis of phosphodiester with nickel(II), copper(II), zinc(II), palladium(II), and platinum(II) complexes. <i>Inorganic Chemistry</i> , <b>1990</b> , 29, 2409-2416	5.1	96
200	Alkyl and hydrido phenoxo complexes of nickel(II), palladium(II), and platinum(II). Hydrido amido complexes of palladium. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 3371-3381	5.1	95
199	Cis and trans effects on the proton magnetic resonance spectra of cobaloximes. <i>Inorganic Chemistry</i> , <b>1974</b> , 13, 1564-1570	5.1	95
198	Ultrathin organic transistors for chemical sensing. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 263506	3.4	89
197	Electronic spectra and photochemistry of complexes containing quadruple metal-metal bonds. <i>Accounts of Chemical Research</i> , <b>1978</b> , 11, 232-239	24.3	88
196	Solvent-dependent reactions of carbon dioxide with a platinum(II) dihydride. Reversible formation of a platinum(II) formatehydride and a cationic platinum(II) dimer, [Pt <sub>2</sub> H <sub>3</sub> (PEt <sub>3</sub> ) <sub>4</sub> ][HCO <sub>2</sub> ]. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 3529-3530	16.4	86
195	Electronic structure of dimolybdenum tetraformate, dimolybdenum(4+) ion, and dimolybdenum. <i>Inorganic Chemistry</i> , <b>1977</b> , 16, 987-993	5.1	85
194	Photochemical generation of bis(phosphine)palladium and bis(phosphine)platinum equivalents. <i>Organometallics</i> , <b>1985</b> , 4, 647-657	3.8	81
193	Hard shell gas-filled contrast enhancement particles for colour Doppler ultrasound imaging of tumors. <i>MedChemComm</i> , <b>2010</b> , 1, 266-270	5	73
192	Pentacarbonylrhenium Halides. <i>Inorganic Syntheses</i> , <b>2007</b> , 160-165		70
191	Protonolysis approach to the catalytic amination of olefins with bis(phosphine)palladium(II) dialkyls. <i>Organometallics</i> , <b>1993</b> , 12, 744-751	3.8	70
190	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> , <b>1987</b> , 6, 2451-2453	3.8	68

- 189 Hydrosilylation of Dienes as a Route to Functional Polymers Delocalized Through Silicon. *Macromolecular Chemistry and Physics*, **2008**, 209, 1527-1540 2.6 67
- 188 Mechanism of carbon monoxide substitution in metal carbonyl radicals: vanadium hexacarbonyl and its phosphine-substituted derivatives. *Journal of the American Chemical Society*, **1984**, 106, 71-76 16.4 67
- 187 Hollow silica and silica-boron nano/microparticles for contrast-enhanced ultrasound to detect small tumors. *Biomaterials*, **2012**, 33, 5124-9 15.6 66
- 186 Polymerization of a boronate-functionalized fluorophore by double transesterification: applications to fluorescence detection of hydrogen peroxide vapor. *Journal of Materials Chemistry*, **2008**, 18, 5134 66
- 185 Visual detection of trace nitroaromatic explosive residue using photoluminescent metallole-containing polymers. *Journal of Forensic Sciences*, **2007**, 52, 79-83 1.8 64
- 184 Synthesis and structure of dicarbonyl( $\eta^3$ -indenyl)( $\eta^5$ -indenyl)vanadium(II). An unusual slipped ring in a metal radical. *Journal of the American Chemical Society*, **1986**, 108, 2460-1 16.4 62
- 183 Dual-porosity hollow nanoparticles for the immunoprotection and delivery of nonhuman enzymes. *Nano Letters*, **2014**, 14, 3023-32 11.5 61
- 182 Analyte chemisorption and sensing on n- and p-channel copper phthalocyanine thin-film transistors. *Journal of Chemical Physics*, **2009**, 130, 164703 3.9 61
- 181 Syntheses, reactivities, molecular structures, and physical properties of paramagnetic bis(tetraphenylcyclopentadienyl) complexes of vanadium, chromium, cobalt, and nickel. *Organometallics*, **1987**, 6, 1703-1712 3.8 60
- 180 Hydrocarbon-bridged complexes. 15. Molecular and electronic structures of ( $\mu$ -ethynediyl)bis(pentacarbonylrhenium), ( $\text{OC})_5\text{ReC}\equiv\text{CRe}(\text{CO})_5$ . *Organometallics*, **1990**, 9, 1296-1300 3.8 59
- 179 Preparation and properties of sterically unhindered cis and trans dihydrides of platinum(II). *Journal of the American Chemical Society*, **1982**, 104, 1138-1140 16.4 53
- 178 Synthesis, molecular structure, and 2-D NMR analysis of bis(tetraphenylcyclopentadienyl)iron(II). *Organometallics*, **1986**, 5, 1116-1122 3.8 52
- 177 Kinetics of disproportionation of tricarbonylbis(phosphine)iron(I) cation radicals probed by double potential step chronocoulometry. *Journal of the American Chemical Society*, **1986**, 108, 4037-4042 16.4 51
- 176 Efficient Cleavage of DNA by Iron(III) Triazacyclononane Derivatives. *Journal of the American Chemical Society*, **1995**, 117, 3983-3993 16.4 50
- 175 Hydrolysis of phosphate triesters with copper(II) catalysts. *Inorganic Chemistry*, **1989**, 28, 2330-2333 5.1 50
- 174 Hollow silica nanospheres containing a silafluorene-fluorene conjugated polymer for aqueous TNT and RDX detection. *Chemical Communications*, **2010**, 46, 6804-6 5.8 49
- 173 Large Mass Independent Sulfur Isotope Fractionations during the Photopolymerization of  $^{12}\text{CS}_2$  and  $^{13}\text{CS}_2$ . *Journal of Physical Chemistry A*, **1999**, 103, 2477-2480 2.8 49
- 172 Silica-supported bis(trialkylphosphine)platinum oxalates. Photogenerated catalysts for hydrosilylation of olefins. *Journal of the American Chemical Society*, **1987**, 109, 3586-3595 16.4 49

171	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> , <b>1982</b> , 21, 2247-2253	5.1	49
170	Atomic imaging of the irreversible sensing mechanism of NO <sub>2</sub> adsorption on copper phthalocyanine. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 14600-9	16.4	48
169	Photopolymerization of Carbon Disulfide Yields the High-Pressure-Phase (CS <sub>2</sub> ) <sub>x</sub> . <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 11270-11277	16.4	45
168	Catalytic hydration of terminal alkenes to primary alcohols. <i>Science</i> , <b>1986</b> , 233, 1069-71	33.3	45
167	Silica anchored fluorescent organosilicon polymers for explosives separation and detection. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2908-2914		44
166	Detection of TNT and Picric Acid on Surfaces and in Seawater by Using Photoluminescent Polysiloles. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 2162-2163	3.6	44
165	Photopolymerization and Mass-Independent Sulfur Isotope Fractionations in Carbon Disulfide. <i>Science</i> , <b>1996</b> , 273, 774-6	33.3	44
164	Electronic structures of tetrahedral iron, cobalt, and nickel clusters. Partial quenching of magnetism in partially carbonylated derivatives. <i>Journal of Chemical Physics</i> , <b>1985</b> , 83, 3507-3513	3.9	44
163	Synthetic, structural, spectroscopic, and theoretical studies of decamethylvanadocene aryl nitrenes. <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 7945-7952	16.4	44
162	The Environmental Chemistry of Trace Atmospheric Gases. <i>Journal of Chemical Education</i> , <b>1995</b> , 72, 973	2.4	43
161	Synthesis and reactivity of palladium phosphine complex [cyclic] [tert-Bu <sub>2</sub> P(CH <sub>2</sub> ) <sub>2</sub> CH(CH <sub>2</sub> ) <sub>2</sub> PBu-tert <sub>2</sub> ]PdX (X = Cl, Me, H, BF <sub>4</sub> ). <i>Organometallics</i> , <b>1993</b> , 12, 738-743	3.8	43
160	Mechanically Tunable Hollow Silica Ultrathin Nanoshells for Ultrasound Contrast Agents. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 4049-4057	15.6	42
159	Europium Doped TiO <sub>2</sub> Hollow Nanoshells: Two-Photon Imaging of Cell Binding. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 4222-4230	9.6	41
158	Color Doppler ultrasound and gamma imaging of intratumorally injected 500 nm iron-silica nanoshells. <i>ACS Nano</i> , <b>2013</b> , 7, 6367-77	16.7	41
157	Syntheses of Oligometalloles by Catalytic Dehydrocoupling. <i>Organometallics</i> , <b>2005</b> , 24, 3081-3087	3.8	41
156	One-electron oxidative cleavage of palladium(II) alkyl and phenoxo bonds. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 7085-7089	16.4	41
155	Properties of (trifluoromethanesulfonato)pentacarbonylmanganese(I) and -rhenium(I). Reactions in superacid solvents. <i>Inorganic Chemistry</i> , <b>1985</b> , 24, 1972-1978	5.1	41
154	Mechanism of oxidatively induced migratory insertion of carbon monoxide. Evidence for a nineteen-electron intermediate. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 5127-5133	16.4	40

- 153 Associative reactions of dihydridobis(trimethylphosphine)platinum(II). Molecular structures of (diphenylacetylene)bis(trimethylphosphine)platinum and hydridotris(trimethylphosphine)platinum(II) tetraphenylborate. *Organometallics*, **1988**, 7, 159-166 3.8 40
- 152 Syntheses, structures, and mechanism of formation of trans-chlorohydrobis(trimethylphosphine)platinum(II) and trans-dihydrobis(trimethylphosphine)platinum(II). Energetics of cis-trans isomerization. *Inorganic Chemistry*, **1987**, 24, 2573-2582 5.1 40
- 151 Phosphorus ligand size. Synthesis and spectral characterization of cobaloxime complexes containing phosphorus ligands which are systematically varied both sterically and electronically. *Inorganic Chemistry*, **1975**, 14, 2942-2948 5.1 39
- 150 Syntheses, kinetics, and mechanism of ligand substitution reactions of 17-electron cyclopentadienyl and pentadienyl vanadium carbonyl complexes. *Journal of the American Chemical Society*, **1987**, 109, 4860-4869 16.4 38
- 149 Synthesis, structure, and electronic properties of  $(\eta^5\text{-C}_5\text{Me}_5)_2\text{V}(\mu\text{-OC})\text{V}(\text{CO})_5$ . A complex with a linear vanadium-oxygen-carbon-vanadium bond. *Journal of the American Chemical Society*, **1985**, 107, 6292-6297 16.4 38
- 148 Mechanism of carbon monoxide substitution in a metal radical: vanadium hexacarbonyl. *Journal of the American Chemical Society*, **1982**, 104, 4032-4034 16.4 38
- 147  $[(\text{CO})_3(\text{PPh}_3)_2\text{OsAg}(\text{O}_2\text{CCF}_3)]$ : A Model for an Intermediate on the Reaction Coordinate in Electron Transfer. *Angewandte Chemie International Edition in English*, **1992**, 31, 770-772 35
- 146 Reversible formation of  $\text{Pt}_2(\mu\text{-H})_2\text{H}(\text{PEt}_3)_4^+$  and  $\text{Pt}_2(\mu\text{-H})\text{H}_2(\text{PEt}_3)_4^+$  from the cis and trans isomers of dihydrobis(triethylphosphine)platinum(II). *Inorganic Chemistry*, **1983**, 22, 1038-1048 5.1 35
- 145 Cobaloxime nitrosyl. Reaction with molecular oxygen formation of coordinated nitrate complexes. *Inorganic Chemistry*, **1974**, 13, 1008-1010 5.1 35
- 144 Interaction of binuclear transition metal complexes with DNA. *Inorganic Chemistry*, **1993**, 32, 5851-5867 5.1 34
- 143 Production of hydrogen by ultraviolet irradiation of binuclear molybdenum(II) complexes in acidic aqueous solutions. Observation of molybdenum hydride intermediates in octahalodimolybdate(II) photoreactions. *Journal of the American Chemical Society*, **1978**, 100, 1160-1163 16.4 34
- 142 Kinetics and mechanism of Lewis-base-induced disproportionation of vanadium hexacarbonyl and its phosphine-substituted derivatives. *Journal of the American Chemical Society*, **1984**, 106, 76-80 16.4 33
- 141 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. *Journal of the American Chemical Society*, **1977**, 99, 3620-3621 16.4 32
- 140 Electrode independent chemoresistive response for cobalt phthalocyanine in the space charge limited conductivity regime. *Journal of Physical Chemistry B*, **2006**, 110, 361-6 3.4 31
- 139 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. *Journal of the American Chemical Society*, **1977**, 99, 2993-2996 16.4 31
- 138 Mechanism of halide-induced disproportionation of  $\text{M}(\text{CO})_3(\text{PCy}_3)_2^+$  17-electron radicals (M = iron, ruthenium, osmium). Periodic trends on reactivity and the role of ion pairs. *Journal of the American Chemical Society*, **1992**, 114, 3355-3361 16.4 30
- 137 Polarization behavior, temperature dependence, and vibronic structure of the 23,000-cm<sup>-1</sup> absorption system in the electronic spectra of tetrakis[ $\mu$ -(acetato-O,O $\eta$ )]dimolybdenum(Mo-Mo) and related compounds. Emission spectrum of tetrakis[ $\mu$ -(trifluoroacetato-O,O $\eta$ )]dimolybdenum(Mo-Mo) at 1.3 K. *Inorganic Chemistry*, **1977**, 16, 828-836 5.1 30
- 136 Catalytic Decomposition of Ammonium Nitrate in Superheated Aqueous Solutions. *Journal of the American Chemical Society*, **1997**, 119, 9738-9744 16.4 29

135	Ultralow drift in organic thin-film transistor chemical sensors by pulsed gating. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 034515	2.5	29
134	Redox chemistry of cyclopentadienylcobalt tetraazabutadienes. Characterization of 19-electron anionic complexes. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 4144-4151	16.4	29
133	Ligand effects on the electronic structure, spectra, and electrochemistry of tetracobalt carbonyl clusters. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 1884-1894	16.4	29
132	Hydridic reactivity of hydropentacarbonylmanganese stabilization of a nearly coordinatively unsaturated metal carbonyl cation in trifluoromethanesulfonic acid. <i>Journal of the American Chemical Society</i> , <b>1979</b> , 101, 6459-6460	16.4	29
131	Encapsulation of adenovirus serotype 5 in anionic lecithin liposomes using a bead-based immunoprecipitation technique enhances transfection efficiency. <i>Biomaterials</i> , <b>2014</b> , 35, 9554-61	15.6	28
130	Organic Thin-Film Transistors for Selective Hydrogen Peroxide and Organic Peroxide Vapor Detection. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 24566-24572	3.8	27
129	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> , <b>1990</b> , 29, 1659-1662	5.1	27
128	Size of phosphorus ligands. Experimental proton magnetic resonance technique for determining cone angles. <i>Journal of the American Chemical Society</i> , <b>1974</b> , 96, 7589-7591	16.4	27
127	Photopolymerization of liquid carbon disulfide produces nanoscale polythiophene films. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 1199-207	16.4	26
126	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'-dithiobis(2-phenylacetone))bis(trimethylphosphine)nickel(II) and (1,1'-dithiobis(2-phenylacetone))bis(trimethylphosphine)nickel(II).	5.1	26
125	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> , <b>1981</b> , 103, 6352-6358	16.4	26
124	Electronic structures of transition metal cluster complexes. <i>Coordination Chemistry Reviews</i> , <b>1981</b> , 38, 89-138	23.2	26
123	Electronic structures and spectra of nitrido complexes of osmium(VI). <i>Inorganic Chemistry</i> , <b>1976</b> , 15, 1747-1751	17.5	26
122	Mechanism of Nitrous Oxide Formation by Metal-Catalyzed Reduction of Nitric Oxide in Aqueous Solution. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 1668-1675	16.4	25
121	Kinetics of cis-trans isomerization and reductive elimination in dihydridobis(trimethylphosphine)platinum(II). <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 1768-1775	5.1	25
120	Electronic absorption and emission spectra of complexes containing dichromium, dimolybdenum, and ditungsten quadruple bonds. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 5311-5320	16.4	25
119	The electronic structure of vanadium hexacarbonyl. Why it is black. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 2308-2314	16.4	25
118	Tricarbonylbis(phosphine)iron(I) cation radicals. A spectroscopic and theoretical study. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 3697-3702	16.4	25

117	Delocalized $\pi$ bonding in tetraazadiene metallocycles. <i>Journal of the American Chemical Society</i> , <b>1981</b> , 103, 192-193	16.4	25
116	Hollow iron-silica nanoshells for enhanced high intensity focused ultrasound. <i>Journal of Surgical Research</i> , <b>2014</b> , 190, 391-8	2.5	24
115	Periodic trends and ligand effects in the substitution labilities of tetrametal cluster complexes of the cobalt triad. Molecular structure of $\text{Rh}_4(\text{CO})_8\{\text{HC}[\text{P}(\text{C}_6\text{H}_5)_2]_3\}[\text{P}(\text{OC}_2\text{H}_5)_3]$ . <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 3615-3627	16.4	24
114	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> , <b>1990</b> , 55, 2644-2648	4.2	24
113	Synthesis, electronic structure, and reactivity of metallacyclopentadienes.. <i>Accounts of Chemical Research</i> , <b>1990</b> , 23, 426-431	24.3	24
112	Spectroscopic, structural, electrochemical, and kinetic studies of ligand substitution in the 33e dinuclear radical $\text{Fe}_2(\text{CO})_7(\mu\text{-PPh}_2)$ and the 34e analogs $[\text{Fe}_2(\text{CO})_7(\mu\text{-PPh}_2)]^-$ and $\text{FeCo}(\text{CO})_7(\mu\text{-PPh}_2)$ . <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 8392-8412	16.4	24
111	Symmetry aspects of the electronic spectra of binuclear complexes with $D_{3h}$ symmetry. <i>Inorganic Chemistry</i> , <b>1980</b> , 19, 697-700	5.1	24
110	Ambient induced degradation and chemically activated recovery in copper phthalocyanine thin film transistors. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 034505	2.5	23
109	Bilayer processing for an enhanced organic-electrode contact in ultrathin bottom contact organic transistors. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 193311	3.4	23
108	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> , <b>1987</b> , 109, 4276-4281	16.4	23
107	Synthesis and molecular structure of chlorobis(tetraphenylcyclopentadienyl)titanium(III). Synthesis and variable-temperature proton NMR study of dichlorobis(tetraphenylcyclopentadienyl)titanium(IV). <i>Organometallics</i> , <b>1987</b> , 6, 2524-2531	3.8	23
106	Electrochemical studies of an oxidatively induced ring slippage in 17-electron ( $\beta$ -indenyl)( $\beta$ -indenyl)V(CO) <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , <b>1990</b> , 383, 271-278	2.3	22
105	Theoretical study of bimolecular nucleophilic substitution at four, five-, and six-coordinate metal carbonyl radicals. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 4942-4953	16.4	22
104	Pairwise exchange of carbon monoxide in manganese-rhenium decacarbonyl. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 1894-1898	16.4	22
103	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> , <b>1979</b> , 101, 5896-5901	16.4	21
102	Spectroscopic and theoretical analysis of the intense $1T_{1u}$ $\rightarrow$ $1A_{1g}$ transitions in hexacarbonylmolybdenum and hexacarbonyltungsten. <i>Inorganic Chemistry</i> , <b>1979</b> , 18, 2131-2136	5.1	21
101	Lewis acid-base interactions enhance explosives sensing in silacycle polymers. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 395, 387-92	4.4	20
100	A density functional theory study of the correlation between analyte basicity, ZnPc adsorption strength, and sensor response. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 204307	3.9	20

99	Pentacarbonylrhenium Halides. <i>Inorganic Syntheses</i> , <b>2007</b> , 41-46		20
98	Manganese(I) and Rhenium(I) Pentacarbonyl(Trifluoromethanesulfonato) Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 113-117		20
97	Kinetics and mechanisms of substitution at paramagnetic metal centers in organometallic complexes. <i>International Journal of Chemical Kinetics</i> , <b>1987</b> , 19, 1025-1047	1.4	20
96	Photochemical generation of bis(triethylphosphine)platinum(0) and synthesis of ethylenebis(triethylphosphine)platinum(0). <i>Organometallics</i> , <b>1982</b> , 1, 768-770	3.8	20
95	Analyte selective response in solution-deposited tetrabenzoporphyrin thin-film field-effect transistor sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 158, 333-339	8.5	19
94	Synthesis and molecular structure of 1,4-diphenyltetrazenido complexes of bis(phosphine)nickel, -palladium, and -platinum. <i>Inorganic Chemistry</i> , <b>1988</b> , 27, 1215-1219	5.1	19
93	Assessment of in vivo systemic toxicity and biodistribution of iron-doped silica nanoshells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 933-942	6	18
92	Red-luminescent europium (III) doped silica nanoshells: synthesis, characterization, and their interaction with HeLa cells. <i>Journal of Biomedical Optics</i> , <b>2011</b> , 16, 066012	3.5	18
91	Synthesis, structure, and properties of dicarbonyl bis(phosphine) 1,4-diphenyltetraazabutadiene complexes of molybdenum and tungsten. <i>Organometallics</i> , <b>1990</b> , 9, 1470-1478	3.8	18
90	Origin of the exceptional reactivity of vanadium pentacarbonyl nitrosyl. <i>Inorganic Chemistry</i> , <b>1984</b> , 23, 957-960	5.1	18
89	Cyclopentadienylcobalt 1,4-diaryltetraazadienes. A structural, spectroscopic, and theoretical study. <i>Organometallics</i> , <b>1982</b> , 1, 732-739	3.8	18
88	Emission spectra and lifetimes of octachlorodirhenate(2-), octabromodirhenate(2-), and octachlorodimolybdate(4-) ions at 1.3 K upon excitation of the $\delta$ transition. <i>Inorganic Chemistry</i> , <b>1977</b> , 16, 3031-3033	5.1	18
87	Electronic structures of bis(benzene)chromium and the C <sub>2h</sub> and C <sub>2v</sub> isomers of bis(naphthalene)chromium. <i>Organometallics</i> , <b>1987</b> , 6, 94-100	3.8	17
86	Assignment of metal-nitrogen stretching frequencies in metal nitrene complexes. <i>Inorganic Chemistry</i> , <b>1985</b> , 24, 3098-3099	5.1	17
85	Trans effect of the good $\sigma$ donor ligands dimethyl phosphate, methyl phenyl phosphonate, and diphenylphosphinate. Evidence for complete bond breaking in the transition state of S <sub>N</sub> 1 <sub>lim</sub> reactions of dimethylphosphonatocobaloxime and methylcobaloxime complexes. <i>Journal of the American Chemical Society</i> , <b>1974</b> , 96, 3697-3699	16.4	17
84	Self-assembled Targeting of Cancer Cells by Iron(III)-doped, Silica Nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 8017-8025	7.3	16
83	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> , <b>2007</b> , 52, 1308-13	1.8	16
82	Slow Heterogeneous Charge Transfer Kinetics for the ClO <sub>2</sub> /ClO <sub>2</sub> Redox Couple at Platinum, Gold, and Carbon Electrodes. Evidence for Nonadiabatic Electron Transfer. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 10461-10469	2.8	16

81	Molecular structure of (.mu.-eta.1-nitrosobenzene-N)(.mu.-eta.2-nitrosobenzene-N,O)(.eta.1-nitrosobenzene-N)tris(trimethylphosphine)diplati a complex containing three linkage isomers of nitrosobenzene. <i>Inorganic Chemistry</i> , <b>1987</b> , 26, 4308-4309		
80	Barrier to reductive elimination of hydrogen from dihydridobis(trimethylphosphine)platinum(II). <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 5036-5038	16.4	16
79	Spectroscopic and theoretical studies of iron tricarbonyl 1,4-dimethyltetraazadiene and related complexes. Evidence for a Hueckel aromatic metal-nitrogen ring. <i>Inorganic Chemistry</i> , <b>1981</b> , 20, 980-986	5.1	16
78	Air-stable spin-coated naphthalocyanine transistors for enhanced chemical vapor detection. <i>Langmuir</i> , <b>2012</b> , 28, 6192-200	4	15
77	Automated microscopy to evaluate surgical specimens via touch prep in breast cancer. <i>Annals of Surgical Oncology</i> , <b>2009</b> , 16, 709-20	3.1	15
76	Aqueous Catalytic Disproportionation and Oxidation of Nitric Oxide. <i>Environmental Science &amp; Technology</i> , <b>1998</b> , 32, 876-881	10.3	15
75	Electronic structures and EPR spectra of carbonylbis(cyclopentadienyl) vanadium(II) and carbonylbis(pentadienyl)vanadium(II). <i>Organometallics</i> , <b>1988</b> , 7, 1425-1434	3.8	15
74	Spectroscopic and theoretical studies of binuclear molybdenum(II) carboxylates. <i>The Journal of Physical Chemistry</i> , <b>1983</b> , 87, 3083-3088		15
73	Mechanism of halogenation of dimanganese, manganese-rhenium, and dirhenium decacarbonyls. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 1308-1313	16.4	15
72	Orbital concepts and the metal-metal bond. <i>Journal of Chemical Education</i> , <b>1980</b> , 57, 424	2.4	15
71	Structural and spectroscopic study of cyclopentadienylcobalt (N-phenyl-o-benzoquinone diimines). A case for delocalized .pi. bonding. <i>Organometallics</i> , <b>1982</b> , 1, 530-535	3.8	15
70	Nucleoside complexing. Longitudinal relaxation studies of metal binding sites in adenosine and cytidine. <i>Inorganic Chemistry</i> , <b>1975</b> , 14, 2568-2571	5.1	15
69	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 silacyclotetrazene, and the tetrazenide complex (1,4-diphenyltetrazenido)bis(triethylphosphine) palladium. <i>Journal of the American Chemical Society</i> , <b>1987</b> , 109, 5050-5051	16.4	14
68	Kinetics of CO substitution in Co <sub>4</sub> (CO) <sub>12</sub> and Rh <sub>4</sub> (CO) <sub>12</sub> . <i>Inorganica Chimica Acta</i> , <b>1988</b> , 146, 75-84	2.7	14
67	Crossover experiments and the mechanism of substitution of metal-metal-bonded carbonyls. <i>Inorganic Chemistry</i> , <b>1982</b> , 21, 1698-1699	5.1	14
66	Synthesis and structure of the trinuclear palladium cluster [Pd <sub>3</sub> (PET <sub>3</sub> ) <sub>3</sub> (.mu. <sub>2</sub> -NPh) <sub>2</sub> (.mu. <sub>2</sub> -NHPh)]Cl, containing bridging imido and amido ligands. <i>Inorganic Chemistry</i> , <b>1990</b> , 29, 1099-1102	5.1	13
65	Unexpected dissociative kinetics for carbon monoxide exchange in the 17-electron complexes carbonylbis(.eta. <sup>5</sup> -pentadienyl)vanadium(II), carbonyl(.eta. <sup>5</sup> -cyclopentadienyl)(.eta. <sup>5</sup> -pentadienyl)vanadium(II), and carbonyl(.eta. <sup>5</sup> -cyclopentadienyl)(.eta. <sup>5</sup> -2,4-dimethylpentadienyl)vanadium(II). <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 6046-8	16.4	13
64	Spectroscopic substituent constants for ligands. <i>Inorganic Chemistry</i> , <b>1975</b> , 14, 2389-2393	5.1	13

63	Luminescent tris(8-hydroxyquinolates) of bismuth(III). <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 12033-45	5.1	12
62	Kinetics and mechanism of ligand substitution in iron tricarbonyl 1,4-dimethyltetraazabutadiene. <i>Inorganic Chemistry</i> , <b>1981</b> , 20, 3167-3172	5.1	12
61	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> , <b>2012</b> , 30, 2C104	1.3	11
60	Enhanced Touch Preps Improve the Ease of Interpretation of Intraoperative Breast Cancer Margins. <i>American Surgeon</i> , <b>2007</b> , 73, 973-976	0.8	11
59	Palladium complexes present during the catalytic reduction of NO to N <sub>2</sub> O. <i>Inorganica Chimica Acta</i> , <b>1995</b> , 240, 299-304	2.7	11
58	Synthetic, structural, and theoretical studies of diphenyltetrazene complexes of silicon and germanium. <i>Organometallics</i> , <b>1989</b> , 8, 738-744	3.8	11
57	Reactions between dimanganese, dirhenium, and manganese rhenium decacarbonyl and oxidants. <i>Inorganica Chimica Acta</i> , <b>1987</b> , 131, 181-189	2.7	11
56	Photochemistry of cyclopentadienylcobalt 1,4-diaryltetraazadienes. Examples of CH, CF, and CC bond breaking. <i>Inorganic Chemistry</i> , <b>1984</b> , 23, 2968-2973	5.1	11
55	Photochemical loss of dinitrogen from cyclopentadienylcobalt 1,4-diaryltetraazadienes. <i>Journal of Organometallic Chemistry</i> , <b>1981</b> , 209, 407-414	2.3	11
54	Kinetics and mechanism of ligand substitution in iron tricarbonyl 1,4-diazabutadiene complexes. <i>Organometallics</i> , <b>1982</b> , 1, 1033-1037	3.8	11
53	Extended Lifetime In Vivo Pulse Stimulated Ultrasound Imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 222-229	11.7	10
52	Catalytic reactions of sterically unhindered hydrido-bis(phosphine) platinum complexes. <i>Journal of Chemical Education</i> , <b>1988</b> , 65, 294	2.4	10
51	Magnetic Circular Dichroism Spectra of Compounds Containing Quadruple Metal-Metal Bonds. Polarized Single Crystal Absorption Spectra of (n-Bu <sub>4</sub> N) <sub>2</sub> [Re <sub>2</sub> Br <sub>8</sub> ] at 5 K. <i>Israel Journal of Chemistry</i> , <b>1976</b> , 15, 308-310	3.4	10
50	Reduction of metal carbonyls with alkali metal carbides. <i>Inorganica Chimica Acta</i> , <b>1981</b> , 50, 247-250	2.7	9
49	Reactions of coordinated trialkyl phosphite and related ligands with nucleophiles. <i>Inorganic Chemistry</i> , <b>1975</b> , 14, 2748-2751	5.1	9
48	Enhanced touch preps improve the ease of interpretation of intraoperative breast cancer margins. <i>American Surgeon</i> , <b>2007</b> , 73, 973-6	0.8	9
47	Conjugation of a Small-Molecule TLR7 Agonist to Silica Nanoshells Enhances Adjuvant Activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 26637-26647	9.5	8
46	Chemical Sensing with Semiconducting Metal Phthalocyanines. <i>Structure and Bonding</i> , <b>2011</b> , 91-117	0.9	8

45	Characterization of (Trimethyltriazacyclononane)triazozinc(II) Nitrate. A Nonbridged Isomer. <i>Inorganic Chemistry</i> , <b>1995</b> , 34, 2487-2489	5.1	8
44	Bis(benzyl-di-2-pyridylamine)- $\mu_2$ - $\mu$ -(s-trans-isoprene) dicopper(I) bistrifluoromethanesulfonate. A stable CuI-diene complex. <i>Journal of Organometallic Chemistry</i> , <b>1993</b> , 452, 271-275	2.3	8
43	Mobility saturation in tapered edge bottom contact copper phthalocyanine thin film transistors. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2010</b> , 28, C5F22-C5F27	7.3	7
42	Electronic structures and reactivities of metal cluster complexes. <i>Accounts of Chemical Research</i> , <b>1990</b> , 23, 239-246	24.3	7
41	Bis(Phosphine) Derivatives of Iron Pentacarbonyl and Tetracarbonyl (Tri-tert-Butylphosphine)Iron(O). <i>Inorganic Syntheses</i> , <b>2007</b> , 173-179		6
40	Synthesis, structure, and physical properties of tetrakis( $\mu$ -diphenyl phosphato)dimolybdenum(II). <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 615-618	5.1	6
39	Structure of cis-diacetylido-bis(triethylphosphine)platinum(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 46, 1648-1650		6
38	Photochemical Production of Reactive Organometallics for Synthesis and Catalysis. <i>ACS Symposium Series</i> , <b>1986</b> , 177-196	0.4	6
37	A Highly Sensitive Enzymatic Catalysis System for Trace Detection of Arsenic in Water. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 10289-10292	4.8	5
36	Comment on Fluorescence sensing of arsenate at nanomolar level in a greener way: naphthalene based probe for living cell imaging? <i>Chemical Communications</i> , <b>2015</b> , 51, 14775-7	5.8	5
35	Quantification of endocytosis using a folate functionalized silica hollow nanoshell platform. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 88003	3.5	5
34	Immunostimulatory TLR7 agonist-nanoparticles together with checkpoint blockade for effective cancer immunotherapy. <i>Advanced Therapeutics</i> , <b>2020</b> , 3, 1900200	4.9	5
33	NO chemisorption dynamics on thick FePc and ttbu-FePc films. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 174305	3.9	5
32	The long-wavelength photochemistry of carbon disulfide. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 19029-19041		5
31	Bis (Phosphine) Derivatives of Iron Pentacarbonyl and Tetracarbonyl (Tri-tert-Butylphosphine) Iron (0). <i>Inorganic Syntheses</i> , <b>2007</b> , 151-156		5
30	Mechanism of Lewis base induced disproportionation of vanadium hexacarbonyl. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1983</b> , 650		5
29	Electronic spectra of tetrakis( $\mu$ -acetato)dimolybdenum(II) in matrixes at 10 K. <i>Inorganic Chemistry</i> , <b>1982</b> , 21, 2797-2800	5.1	5
28	Photochemical reactions of a cobaltacyclopentadiene and the molecular structure of ( $\eta^5$ -Cyclopentadienyl)( $\eta^4$ -1,2,3,4-tetraphenyl-2-butene-1,4-dione-O,C,CPC")cobalt(I). <i>Organometallics</i> , <b>1982</b> , 1, 536-542	3.8	5

27	Stereochemical aspects of iron tricarbonyl (1,4-dimethyltetraazabutadiene) and related complexes. <i>Inorganic Chemistry</i> , <b>1982</b> , 21, 427-429	5.1	5
26	Thickness and Sphericity Control of Hollow Hard Silica Shells through Iron (III) Doping: Low Threshold Ultrasound Contrast Agents. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900893	15.6	4
25	Quenching of excited-state reactivity of (oxalato)bis(triethylphosphine)platinum(II) by water. <i>Inorganic Chemistry</i> , <b>1986</b> , 25, 4454-4456	5.1	4
24	Microshell Enhanced Acoustic Adjuvants for Immunotherapy in Glioblastoma. <i>Advanced Therapeutics</i> , <b>2019</b> , 2, 1900066	4.9	3
23	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> , <b>1992</b> , 198-200, 633-638	2.7	3
22	Synthesis and molecular structure of bis(tetraphenylcyclopentadienyl)tetrakis(trifluoroacetato)divanadium(III). <i>Inorganica Chimica Acta</i> , <b>1993</b> , 205, 153-156	2.7	3
21	Structure of bis(1,10-phenanthroline)trifluoromethanesulfonatolithium. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1989</b> , 45, 1152-1154		3
20	Ultrasound Responsive Macrophase-Segregated Microcomposite Films for in Vivo Biosensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 1719-1727	9.5	2
19	Identifying lost surgical needles with visible and near infrared fluorescent light emitting microscale coating. <i>Surgery</i> , <b>2018</b> , 163, 883-888	3.6	2
18	Alkaline and ultrasonic dissolution of biological materials for trace silicon determination. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2015</b> , 33, 031803	1.3	2
17	Chlorohydrido-bis(Trialkylphosphine)-Platinum(II) Complexes. <i>Inorganic Syntheses</i> , <b>2007</b> , 189-192		2
16	trans-Dicarbonyl-Di-Iodo-Diiododiplatinum(II). <i>Inorganic Syntheses</i> , <b>2007</b> , 188-189		2
15	$\mu$ -Hyrido-tetrakis(tertiary phosphine)diplatinum Cations. <i>Inorganic Syntheses</i> , <b>2007</b> , 30-38		2
14	Luminescent Inorganic Polymer Sensors for Vapour Phase and Aqueous Detection of TNT <b>2004</b> , 39-52		2
13	Hydrolysis of phosphate diesters with copper(II) catalysts. [Erratum to document cited in CA109(15):129165f]. <i>Inorganic Chemistry</i> , <b>1992</b> , 31, 1544-1544	5.1	2
12	$[(CO)_3(PPh_3)_2OsAg(O_2CCF_3)]$ , eine Modellverbindung für Intermediate bei Elektronentransfer-Reaktionen. <i>Angewandte Chemie</i> , <b>1992</b> , 104, 806-808	3.6	2
11	Structure of 1,4-diphenyl-2-tetrazenidobis(triethylphosphine)nickel. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 46, 900-902		2
10	Silica anchored bis(trialkylphosphine) platinum oxalate. A photogenerated catalyst for olefin hydrosilation. <i>Monatshefte für Chemie</i> , <b>1986</b> , 117, 617-619	1.4	2

9	Utilization of iron (III)-doped nanoshells for in vivo marking of nonpalpable tumors using a VX2 rabbit model. <i>American Journal of Surgery</i> , <b>2016</b> , 212, 1140-1146	2.7	2
8	MRI-guided transurethral insonation of silica-shell phase-shift emulsions in the prostate with an advanced navigation platform. <i>Medical Physics</i> , <b>2019</b> , 46, 774-788	4.4	2
7	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
6	SOURCES AND MECHANISMS OF NITROUS OXIDE FORMATION. <i>Critical Reviews in Analytical Chemistry</i> , <b>1998</b> , 28, 433-437	5.2	1
5	The relationship between calculated and experimental electronic transition energies. <i>Computational and Theoretical Chemistry</i> , <b>1981</b> , 85, 1-8		1
4	Luminescent Inorganic Polymer Sensors for Vapour Phase and Aqueous Detection of TNT <b>2004</b> , 39-52		1
3	Insertion Reactions of Carbon Dioxide, Sulfur Dioxide, and Sulfur Trioxide. <i>Inorganic Reactions and Methods</i> , 417-421		1
2	Silica Shells/Adhesive Composite Film for Color Doppler Ultrasound Guided Needle Placement. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 1780-1787	5.5	0
1	Insertion Reactions of Oxygen. <i>Inorganic Reactions and Methods</i> , 415-417		