David R Tyler

List of Publications by Year
in descending order

136 papers	3,669 citations	109321 35 h-index	161849 54 g-index
139 all docs	139 docs citations	139 times ranked	2586 citing authors

#	Article	IF	Citations
1	Ironâ€“dinitrogen coordination chemistry: Dinitrogen activation and reactivity. Coordination Chemistry Reviews, 2010, 254, 1883-1894.	18.8	213
2	Frontiers in catalytic nitrile hydration: Nitrile and cyanohydrin hydration catalyzed by homogeneous organometallic complexes. Coordination Chemistry Reviews, 2011, 255, 949-974.	18.8	187
3	Organometallic Chemistry in Aqueous Solution. Hydration of Nitriles to Amides Catalyzed by a Water-Soluble Molybdocene, (MeCp)2Mo(OH)(H2O)+. Organometallics, 2003, 22, 1203-1211.	2.3	128
4	Reduction of N2to Ammonia and Hydrazine Utilizing H2as the Reductant. Journal of the American Chemical Society, 2005, 127, 10184-10185.	13.7	104
5	Photochemical disproportionation of metalî—¸metal bonded carbonyl dimers. Coordination Chemistry Reviews, 1985, 63, 217-240.	18.8	94
6	Photochemically reactive polymers; synthesis and characterization of polyurethanes containing Cp2Mo2(CO)6 or Cp2Fe2(CO)4 molecules along the polymer backbone. Organometallics, 1991, 10, 473-482.	2.3	87
7	Synthesis and Characterization of an Iron(II) Î·²-Hydrazine Complex. Inorganic Chemistry, 2007, 46, 10476-10478.	4.0	73
8	Synthesis and coordination chemistry of macrocyclic phosphine ligands. Coordination Chemistry Reviews, 2011, 255, 2860-2881.	18.8	71
9	Hydrogenation of CO₂ in Water Using a Bis(diphosphine) Niâ€“H Complex. ACS Catalysis, 2017, 7, 3089-3096.	11.2	66
10	Reactivity of Seventeen- and Nineteen-Valence Electron Complexes in Organometallic Chemistry. Comments on Inorganic Chemistry, 1986, 5, 215-245.	5.2	65
11	Mechanism of the low-energy photochemical disproportionation reactions of bis(.eta.5-cyclopentadienyl)dimolybdenum hexacarbonyl [(.eta.5-C5H5)2Mo2(CO)6]. Journal of the American Chemical Society, 1983, 105, 6032-6037.	13.7	64
12	Organometallic chemistry in aqueous solution: Reactions catalyzed by water-soluble molybdocenes. Coordination Chemistry Reviews, 2006, 250, 1141-1151.	18.8	62
13	Mechanistic Aspects of the Effects of Stress on the Rates of Photochemical Degradation Reactions in Polymers. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 2004, 44, 351-388.	2.2	60
14	Photochemically reactive polymers. Synthesis, characterization, and photochemistry of a polyurea containing a Cp2Mo2(CO)6 molecule along the polymer backbone and of poly(ether urethane) copolymers with Cp2Mo2(CO)6 and Cp2Fe2(CO)4 molecules along the polymer backbone. Organometallics, 1992, 11, 1466-1473.	2.3	58
15	Nanoparticle catalysts for nitrile hydration. Coordination Chemistry Reviews, 2014, 280, 28-37.	18.8	58
16	Coordination Chemistry of H2and N2in Aqueous Solution. Reactivity and Mechanistic Studies Usingtrans-FeII(P2)2X2-Type Complexes (P2= a Chelating, Water-Solubilizing Phosphine). Inorganic Chemistry, 2007, 46, 1205-1214.	4.0	55
17	Enhanced oxidative desulfurization in a film-shear reactor. Fuel, 2015, 156, 142-147.	6.4	55
18	Câ^'H Bond Activation in Aqueous Solution:Â Kinetics and Mechanism of H/D Exchange in Alcohols Catalyzed by Molybdocenes. Journal of the American Chemical Society, 2000, 122, 9427-9434.	13.7	53

#	Article	IF	Citations
19	Photochemically degradable polymers containing metalâ€“metal bonds along their backbones. Coordination Chemistry Reviews, 2003, 246, 291-303.	18.8	52
20	Photochemically reactive polymers. Photochemical reactions of polyurethanes containing bis(cyclopentadienylmolybdenum) hexacarbonyl [Cp2Mo2(CO)6] or bis(cyclopentadienyliron) tetracarbonyl [Cp2Fe2(CO)4] molecules along the polymer backbone. Organometallics, 1991, 10, 1116-1123.	2.3	51
21	Mechanistic Investigations and Secondary Coordination Sphere Effects in the Hydration of Nitriles with [Ru(Î·6-arene)Cl2PR3] Complexes. Organometallics, 2013, 32, 824-834.	2.3	50
22	Aqueous Phase Organometallic Catalysis Using (MeCp)2Mo(OH)(H2O)+. Intramolecular Attack of Hydroxide on Organic Substrates. Organometallics, 2004, 23, 1738-1746.	2.3	48
23	Investigation of the Reactivity of Pt Phosphinito and Molybdocene Nitrile Hydration Catalysts With Cyanohydrins. Inorganic Chemistry, 2009, 48, 7828-7837.	4.0	48
24	Intra- and Intermolecular H/D Exchange in Aqueous Solution Catalyzed by Molybdocenes. Angewandte Chemie - International Edition, 1999, 38, 2406-2408.	13.8	47
25	Coordination of a Complete Series of N₂ Reduction Intermediates (N₂H₂, N₂H₄, and NH₃) to an Iron Phosphine Scaffold. Inorganic Chemistry, 2012, 51, 439-445.	4.0	47
26	Catalytic Nitrile Hydration with [Ru(Î·6-p-cymene)Cl2(PR2Râ€²)] Complexes: Secondary Coordination Sphere Effects with Phosphine Oxide and Phosphinite Ligands. Organometallics, 2013, 32, 3744-3752.	2.3	47
27	Radical Cage Effects: Comparison of Solvent Bulk Viscosity and Microviscosity in Predicting the Recombination Efficiencies of Radical Cage Pairs. Journal of the American Chemical Society, 2016, 138, 9389-9392.	13.7	47
28	Origin of Tensile Stress-Induced Rate Increases in the Photochemical Degradation of Polymers. Macromolecules, 2004, 37, 5430-5436.	4.8	46
29	Cyanohydrin Hydration with [Ru(Î·⁶-<i>p</i>-cymene)Cl₂PR₃] Complexes. Organometallics, 2012, 31, 2941-2944.	2.3	45
30	Aspects of dihydrogen coordination chemistry relevant to reactivity in aqueous solution. Coordination Chemistry Reviews, 2008, 252, 212-230.	18.8	43
31	Theoretical Studies of N₂ Reduction to Ammonia in Fe(dmpe)₂N₂. Inorganic Chemistry, 2009, 48, 861-871.	4.0	43
32	Mechanistic Aspects of Organometallic Radical Reactions. Progress in Inorganic Chemistry, 2007, , 125-194.	3.0	42
33	Photodegradable plastics: end-of-life design principles. Green Chemistry Letters and Reviews, 2010, 3, 69-82.	4.7	41
34	Steric and Electronic Influences of Buchwald-Type Alkyl-JohnPhos Ligands. Inorganic Chemistry, 2016, 55, 3079-3090.	4.0	40
35	Precursors to Water-Soluble Dinitrogen Carriers. Synthesis of Water-Soluble Complexes of Iron(II) Containing Water-Soluble Chelating Phosphine Ligands of the Type 1,2-Bis(bis(hydroxyalkyl)phosphino)ethane. Inorganic Chemistry, 2002, 41, 5453-5465.	4.0	39
36	Intermediates in the reduction of N2 to NH3: synthesis of iron Î·2 hydrazido(1âˆ’) and diazene complexes. Dalton Transactions, 2009, , 4420.	3.3	39

#	ARTICLE	IF	CITATIONS
37	The Effect of Radical Size and Mass on the Cage Recombination Efficiency of Photochemically Generated Radical Cage Pairs. Journal of the American Chemical Society, 1998, 120, 13176-13186.	13.7	37
38	Equilibrium constants for homolysis of metal-metal-bonded organometallic dimers in cyclohexane solution: reaction of the (MeCp)Mo(CO)3 radical with the nitroxide radical trap TMIO. Organometallics, 1993, 12, 5000-5004.	2.3	35
39	Organometallic Catalysis in Aqueous Solution. The Hydrolytic Activity of a Water-Soluble ansa-Molybdocene Catalyst. Organometallics, 2007, 26, 5179-5187.	2.3	35
40	H2Activation in Aqueous Solution:Â Formation oftrans-[Fe(DMeOPrPE)2H(H2)]+via the Heterolysis of H2in Water. Inorganic Chemistry, 2004, 43, 3341-3343.	4.0	34
41	Direct Conversion of Phosphonates to Phosphine Oxides: An Improved Synthetic Route to Phosphines Including the First Synthesis of Methyl JohnPhos. Organometallics, 2014, 33, 6171-6178.	2.3	34
42	The synthesis of heteroleptic phosphines. Dalton Transactions, 2015, 44, 12473-12483.	3.3	34
43	Investigation of 1,3,5-Triaza-7-phosphaadamantane-Stabilized Silver Nanoparticles as Catalysts for the Hydration of Benzonitriles and Acetone Cyanohydrin. ACS Catalysis, 2014, 4, 3096-3104.	11.2	32
44	Investigation of the Origin of Tensile Stress-Induced Rate Enhancements in the Photochemical Degradation of Polymers. Journal of the American Chemical Society, 2004, 126, 3054-3055.	13.7	31
45	Radical Cage Effects: The Prediction of Radical Cage Pair Recombination Efficiencies Using Microviscosity Across a Range of Solvent Types. Journal of the American Chemical Society, 2017, 139, 14399-14405.	13.7	31
46	Organometallic photochemistry in aqueous solution. Synthesis, crystal and molecular structure, and photochemistry of the tungsten complex (.eta.5-C5H4COOH)2W2(CO)6. Generation of 19-electron organometallic complexes in aqueous solution and their use as reducing agents. Photochemical production of hydrogen. Organometallics, 1991, 10, 3607-3613.	2.3	29
47	Solution Chemistry of a Water-Soluble Î·2-H2Ruthenium Complex:Â Evidence for Coordinated H2Acting as a Hydrogen Bond Donor. Journal of the American Chemical Society, 2006, 128, 15830-15835.	13.7	29
48	Density Functional Calculations of 19-Electron Organometallic Molecules. A Comparison of Calculated and Observed Anisotropic Hyperfine Coupling Constants for the CpCo(CO)2-Anion. Implications for Determining Orbital Spin Populations from EPR Data. Journal of the American Chemical Society, 1998, 120, 942-947.	13.7	28
49	Femtosecond Pumpâˆ'Probe Transient Absorption Study of the Photolysis of [Cpâ€˜Mo(CO)3]2(Cpâ€˜ =) Tj ETQq1 1 0.784314 rgBT /Ov Physical Chemistry A, 2007, 111, 5353-5360.	2.5	28
50	Precursors to dinitrogen reduction: structures and reactivity of trans-[Fe(DMeOPrPE)2(Î·2-H2)H]+ and trans-[Fe(DMeOPrPE)2(N2)H]+. Dalton Transactions, 2009, , 9253.	3.3	28
51	Cage effects in organometallic radical chemistry. Fractional cage-recombination efficiency for photochemical caged-pair intermediates of Cp'2M2(CO)6 (M = molybdenum and tungsten; Cp' =) Tj ETQq1 1 0.784314 rgBT /Overlock	13.7	27
52	Activation of water by permethyltungstenocene; evidence for the oxidative addition of water. Chemical Communications, 1997, , 639-670.	4.1	27
53	Câˆ'H Bond Activation in Aqueous Solution:Â A Linear Free Energy Relationship Investigation of the Rate-Limiting Step in the H/D Exchange of Alcohols Catalyzed by a Molybdocene. Organometallics, 2001, 20, 3864-3868.	2.3	27
54	A Universally Applicable Methodology for the Gram-Scale Synthesis of Primary, Secondary, and Tertiary Phosphines. Organometallics, 2018, 37, 182-190.	2.3	26

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55	Supramolecular photochemistry of the [(.eta.5-C5H4CH2CH2NH3+)2Mo2(CO)6][PF6-]2 complex. Chemical ramifications of a tentacle ligand covalently bonded nearby to a reactive metal center. Journal of the American Chemical Society, 1993, 115, 7706-7715.	13.7	25
56	Radical Cage Effects in the Photochemical Degradation of Polymers:Â Effect of Radical Size and Mass on the Cage Recombination Efficiency of Radical Cage Pairs Generated Photochemically from the (CpCH2CH2N(CH3)C(O)(CH2)nCH3)2Mo2(CO)6(n= 3, 8, 18) Complexes. Journal of the American Chemical Society, 2003, 125, 10319-10326.	13.7	25
57	The Solvent Cage Effect:Â Is There a Spin Barrier to Recombination of Transition Metal Radicals?. Journal of the American Chemical Society, 2007, 129, 6255-6262.	13.7	25
58	Transition-Metal-Containing Polymers by ADMET: Polymerization of <i>cis</i>-Mo(CO)₄(Ph₂P(CH₂)₃CHâ•CH₂)₂. Macromolecules, 2008, 41, 5555-5558.	4.8	25
59	Characterization of an Intermediate in the Ammonia-Forming Reaction of Fe(DMeOPrPE)₂N₂ with Acid (DMeOPrPE =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 577 Td (1,2-[bis(d	4.0	24
60	Generation of 19-Electron Adducts in Aqueous Solution Using the Water-Soluble (HOCH2)2PCH2CH2P(CH2OH)2Ligand. Inorganic Chemistry, 1996, 35, 1721-1724.	4.0	23
61	Preparation of Photoreactive Oligomers by ADMET Polymerization of [(C₅H₄(CH₂)₈CHâ•CH₂)Mo(CO)₃]₂. Macromolecules, 2009, 42, 7644-7649.	4.8	23
62	Factors Controlling the Rate of Photodegradation in Polymers: The Effect of Temperature on the Photodegradation Quantum Yield in a PVC Polymer Containing Metalâ€"Metal Bonds in the Polymer Chain. Journal of Inorganic and Organometallic Polymers and Materials, 2007, 17, 267-274.	3.7	22
63	Mechanisms for the Formation of NH₃, N₂H₄, and N₂H₂ in the Protonation Reaction of Fe(DMeOPrPE)₂N₂ {DMeOPrPE = 1,2â€bis[bis(methoxypropyl)phosphino]ethane}. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 31-39.	1.2	22
64	Synthesis and photochemistry of the aqueous-soluble (.eta.5-C5H4CH2CH2NH3+)2Mo2(CO)6 complex. Generation of 19-electron complexes in aqueous solution. Organometallics, 1992, 11, 3856-3863.	2.3	21
65	Photochemically reactive polymers: synthesis and photochemistry of polyamides containing Cp2Mo2(CO)6 molecules along the polymer backbone. Inorganica Chimica Acta, 1996, 242, 303-310.	2.4	21
66	The Effect of Morphology Changes on Polymer Photodegradation Efficiencies: A Study of Time-Dependent Morphology and Stress-Induced Crystallinity. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 91-97.	3.7	21
67	Preparation of Polymers Containing Metalâ€"Metal Bonds along the Backbone Using Click Chemistry. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 511-518.	3.7	21
68	Photochemically reactive polymers; the synthesis and photochemistry of amide polymers and model compounds containing metalâ€"metal bonds and internal radical traps. Journal of Organometallic Chemistry, 1998, 554, 19-28.	1.8	20
69	Preparation of Functionalized Organometallic Metalâ€"Metal Bonded Dimers Used in the Synthesis of Photodegradable Polymers. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 423-435.	3.7	20
70	Preparation of Photodegradable Oligomers Containing Metalâ€"Metal Bonds Using ADMET. Journal of Inorganic and Organometallic Polymers and Materials, 2008, 18, 149-154.	3.7	19
71	Density Functional Theory Calculations on 19-Electron Organometallic Complexes:Â The Mn(CO)5Cl-Anion. The Difference between Unpaired Electron Density and Spin Density Due to Spin Polarization. Organometallics, 1998, 17, 4060-4064.	2.3	18
72	Cage Effects in the Photochemical Degradation of Polymers. Studies of Model Complexes with Different Chain Lengths. Macromolecules, 1997, 30, 6404-6406.	4.8	16

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73	Catalysis by 18 + Î´ Compounds. Cyclooligomerization of Acetylenes Catalyzed by Co(CO)3L2. Organometallics, 1996, 15, 4770-4775.	2.3	15
74	Highly efficient biphasic ozonolysis of alkenes using a high-throughput film-shear flow reactor. Tetrahedron Letters, 2016, 57, 1342-1345.	1.4	15
75	Improved Synthetic Route to Heteroleptic Alkylphosphine Oxides. Organometallics, 2017, 36, 2412-2417.	2.3	15
76	Density Functional Studies of 19-Electron Organometallic Complexes:â€‰ Investigation of Possible Ligand Distortions and Calculation of the EPR Parameters and Unpaired Electron Distributions in CpCr(CO)2NO-, CpW(NO)2P(OMe)3, CpMo(CO3)P(OMe)3, and Co(CO)3(2,3-bis(diphenylphosphino)maleic) Tj ETQq0 0 0 rgBT /Overlo	2.3	14
77	Platinum Phosphinito Catalysts for Nitrile Hydration. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 145-156.	3.7	14
78	Solvent cage effects: the influence of radical mass and volume on the recombination dynamics of radical cage pairs generated by photolysis of [CpCH2CH2N(CH3)C(O)(CH2)nCH3Mo(CO)3]2 (n = 3, 8, 13,) Tj ETQq0 0 0 rgBT /Overlock	2.9	13
79	Density Functional Studies on 19-Electron Metal Sandwich Complexes:Â Electronic Structures of CpFe(Î·6-C6H6), CpFe(Î·6-C6Me6), and (C5Me5)Fe(Î·6-C6H6). Organometallics, 2000, 19, 1175-1181.	2.3	12
80	Radical cage effects. Effect of radical mass and bond energies on cage recombination efficiencies for photochemical cage pair intermediates of [Mo2(CO)6[(Î·5-C5H4 CH2CH2OSiMe3)2], [Mo2(CO)6(Î·5-C5H4) Tj ETQq0 0 0 rgBT /Overloc	4.1	11
81	Photochemical Heterolysis of the Metalâ^'Metal Bond in (Me3P)(OC)4OsW(CO)5. Organometallics, 1997, 16, 3431-3438.	2.3	11
82	Radical cage effects: A method for measuring recombination efficiencies of secondary geminate radical cage pairs using pump-probe transient absorption methods. Photochemical and Photobiological Sciences, 2008, 7, 1386-1390.	2.9	11
83	Application of a Perrin-like Kinetics Model to the Photochemical Degradation of Polymers. Macromolecules, 2008, 41, 9525-9531.	4.8	11
84	Effect of Solvent on the Dimerization of the <i>ansa</i>-Molybdocene Catalyst [C₂Me₄Cp₂Mo(OH)(OH₂)][OTs]. Organometallics, 2008, 27, 2608-2613.	2.3	11
85	Aqueous Coordination Chemistry of H₂: Why is Coordinated H₂Inert to Substitution by Water in<i>trans</i>-Ru(P₂)₂(H₂)H⁺-type Complexes (P₂= a Chelating Phosphine)?. Inorganic Chemistry, 2009, 48, 2976-2984.	4.0	11
86	New Class of Photochemically Reactive Polymers Containing Metalâ€"Metal Bonds Along the Polymer Backbone. ACS Symposium Series, 1994, , 481-496.	0.5	10
87	Bis(Î·5-Cyclopentadienyl)Molybdenum(IV) Complexes. Inorganic Syntheses, 2007, , 204-211.	0.3	9
88	Aqueous Speciation of ansa- and non-ansa- Substituted [Cp2Mo(Î¼-OH)]2[OTs]2. Inorganica Chimica Acta, 2009, 362, 2039-2043.	2.4	9
89	Enhanced oxidative desulfurization of model fuels using a film-shear reactor. Fuel, 2011, 90, 898-901.	6.4	9
90	Synthesis of tetraphosphine macrocycles using copper(<scp>i</scp>) templates. Dalton Transactions, 2016, 45, 8253-8264.	3.3	9

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91	Photochemically Reactive Polymers. Identification of the Products Formed in the Photochemical Degradation of Polyurethanes That Contain (C5H4R)(CO)3Moâ"Mo(CO)3(C5H4R) Units along Their Backbones. Organometallics, 2005, 24, 1495-1500.	2.3	8
92	Nitrile and Cyanohydrin Hydration with Nanoparticles Formed In Situ from a Platinum Dihydride Complex. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 73-80.	3.7	8
93	Measurement of the cage effect in the photolysis of the (Î·5-C5H4(CH2)2N(H)C(O)(CH2)3CH3)2Mo2(CO)6 complex. Journal of Photochemistry and Photobiology A: Chemistry, 1996, 94, 101-105.	3.9	7
94	Organometallic Photochemistry: Basic Principles and Applications to Materials Chemistry. Journal of Chemical Education, 1997, 74, 668.	2.3	7
95	Thermal and Photochemical Epimerization/Equilibration of Carbohydrate Cobaloximes. Journal of Organic Chemistry, 2001, 66, 5687-5691.	3.2	7
96	Photochemical studies as a function of solvent viscosity. A new photochemical pathway in the reaction of (Î·5-C5H4Me)2Mo2(CO)6 with CCl4Electronic supplementary information (ESI) available: plots of quantum yields vs. viscosity for the photolysis of Cpâ€²2Mo2(CO)6 in hexaneâ€“squalane, hexaneâ€“paraffin oil, THFâ€“polyglyme, and ethanolâ€“propylene glycol; table of quantum yields showing dependence on [CCl4]; table of values of fitting parameters in eqn. (3). See http://www.rsc.org/suppdata/pp/b2/b202112a/. Photochemical and Photobiological Sciences, 2002, 1,	2.9	7
97	A Strategy for Preparing Star Polymers Containing Metalâ€“Metal Bonds Along the Polymeric Arms Using Click Chemistry. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 158-166.	3.7	7
98	Measuring solid-state quantum yields: The conversion of a frequency-doubled Nd:YAG diode laser pointer module into a viable light source. Review of Scientific Instruments, 2007, 78, 074104.	1.3	6
99	ConfChem Conference on Educating the Next Generation: Green and Sustainable Chemistryâ€"Chemistry of Sustainability: A General Education Science Course Enhancing Students, Faculty and Institutional Programming. Journal of Chemical Education, 2013, 90, 515-516.	2.3	6
100	Metalâ€“metal bond photochemistry as a tool for understanding the photochemical degradation of plastics. Inorganica Chimica Acta, 2015, 424, 29-37.	2.4	6
101	Low temperature cure of epoxy thermosets attaining high <i>T_g</i> using a uniform microwave field. Journal of Applied Polymer Science, 2016, 133, .	2.6	6
102	An empirically derived model for further increasing microwave curing rates of epoxyâ€amine polymerizations. Journal of Applied Polymer Science, 2021, 138, .	2.6	6
103	The crystal structure of tris(4-methylpyridine) tricarbonylmolybdenum(0). Journal of Chemical Crystallography, 1996, 26, 235-237.	1.1	5
104	Kinetics of Polyurethane Formation in Polymerization Reactions Using the Organometallic Diol (Î·5-C5H4CH2CH2OH)2Mo2(CO)6. Journal of Inorganic and Organometallic Polymers and Materials, 2005, 15, 221-230.	3.7	5
105	Microviscosity and wavelength effects on radical cage pair recombination. Journal of Organometallic Chemistry, 2007, 692, 3261-3266.	1.8	5
106	Applications of the Tachiya Fluorescence Quenching Model To Describe the Kinetics of Solid-State Polymer Photodegradation. Macromolecules, 2011, 44, 6625-6628.	4.8	5
107	Structure and reactivity of iron(II) complexes of a polymerizable bis-phosphine ligand. Polyhedron, 2013, 52, 1169-1176.	2.2	5
108	Solvent Cage Effects: A Comparison of Geminate and Nongeminate Radical Cage Pair Combination Efficiencies. Inorganic Chemistry, 2020, 59, 13875-13879.	4.0	5

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109	Photochemically degradable polymers containing metal-metal bonds along their backbones: the effect of stress on the rates of photochemical degradation. Macromolecular Symposia, 2004, 209, 231-251.	0.7	4
110	Synthesis of ROMP Monomers Containing Metalâ€"Metal Bonds. Journal of Inorganic and Organometallic Polymers and Materials, 2005, 15, 439-446.	3.7	4
111	Investigation of ligand effects on exciton recombination in PbS nanoparticles. Canadian Journal of Chemistry, 2011, 89, 339-346.	1.1	4
112	New Ironâ€"Phosphine Macrocycle Complexes for Use in the Pressure-Swing Purification of Natural Gas. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 495-506.	3.7	4
113	Synthesis of Unsymmetrical Bis(phosphine) Oxides and Their Phosphines via Secondary Phosphine Oxide Precursors. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 196-205.	3.7	4
114	Film-shear reactors and more water-soluble ligands; new tools for doing inorganic and organometallic chemistry in aqueous solution. Inorganica Chimica Acta, 2019, 485, 33-41.	2.4	3
115	Polymers with Metal-Metal Bonds along Their Backbones. , 2006, , 287-319.		2
116	Ring-opening polymerization of (CH3)2Si[CpMo(CO)3]2, a molecule with an â€"Si(CH3)2â€" bridge between two cyclopentadienyl ligands. Polymer Bulletin, 2012, 68, 2243-2254.	3.3	2
117	Desulfurization of Model Fuels with Carbon Nanotube/TiO2 Nanomaterial Adsorbents: Comparison of Batch and Film-Shear Reactor Processes. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 572-578.	3.7	2
118	Synthesis and Study of a Dialkylbiaryl Phosphine Ligand; Lessons for Rational Ligand Design. Organometallics, 2019, 38, 3245-3256.	2.3	2
119	Using Computer Graphics to Demonstrate the Origin and Applications of the "Reacting Bond Rules". Journal of Chemical Education, 2002, 79, 1372.	2.3	1
120	Crystal structure of bis(Î·5-methylcyclopentadienyl)-bis(4-methylbenzenesulfonato-O)-molybdenum(IV). Journal of Chemical Crystallography, 2002, 32, 161-163.	1.1	1
121	Mechanistic Aspects of the Photodegradation of Polymers Containing Metal-Metal Bonds along Their Backbones. , 2005, , 77-109.		1
122	Photodegradable Polymers Containing Metal-Metal Bonds along Their Backbones: Mechanistic Study of Stress-Induced Rate Accelerations in the Photochemical Degradation of Polymers. ACS Symposium Series, 2006, , 429-442.	0.5	1
123	Factors Controlling the Rate of Photodegradation in Polymers. ACS Symposium Series, 2006, , 384-397.	0.5	1
124	Synthesis of the hydrophilic phosphine complex Cu(DHMPE)2+ from Cu(I) chloride (DHMPE=1,2-bis[(dihydroxymethyl)phosphino]ethane, a water-soluble bidentate phosphine). Polyhedron, 2012, 45, 30-34.	2.2	1
125	Structure of 593-1593-1593-1hexafluorophosphate, [Co(C5H4COOMe)2](PF6). Journal of Chemical Crystallography, 1994, 24, 593-595.	1.1	0
126	The crystal structure of triiodo (Î·5-methoxycarbonyl-cyclopentadienyl)-dicarbonylmolybdenum(IV). Journal of Chemical Crystallography, 1998, 28, 767-769.	1.1	0

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127	An Industrial Internship Program in Polymer Chemistry. Journal of Chemical Education, 2002, 79, 796.	2.3	0
128	Photochemically Degradable Polymers Containing Metalâ€"Metal Bonds Along Their Backbones: The Effect of Stress on the Rates of Photochemical Degradation. ChemInform, 2004, 35, no.	0.0	0
129	A New Master's-Level Internship Program in Polymers. Polymer Reviews, 2008, 48, 642-652.	10.9	0
130	Bis{1,2-bis[bis(3-methoxypropyl)phosphanyl]ethane-Îº2P,Pâ€²}dichloridoosmium(II). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1808-m1808.	0.2	0
131	Factors Controlling the Rate of Photodegradation in Polymers. ACS Symposium Series, 2012, , 73-84.	0.5	0
132	Benzyltris[2-(dibenzylamino)ethyl]ammonium iodide. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o5-o5.	0.2	0
133	Synthesis of Iron-Phosphine Complexes Containing Sulfur Linking Groups for Coordination to PbS Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 1313-1319.	3.7	0
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