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	An empirically derived model for further increasing microwave curing rates of epoxyâ€amine polymerizations. Journal of Applied Polymer Science, 2021, 138, .	2.6	6
2	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
3	Solvent Cage Effects: A Comparison of Geminate and Nongeminate Radical Cage Pair Combination Efficiencies. Inorganic Chemistry, 2020, 59, 13875-13879.	4.0	5
4	Synthesis and Study of a Dialkylbiaryl Phosphine Ligand; Lessons for Rational Ligand Design. Organometallics, 2019, 38, 3245-3256.	2.3	2
5	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
6	A Universally Applicable Methodology for the Gram-Scale Synthesis of Primary, Secondary, and Tertiary Phosphines. Organometallics, 2018, 37, 182-190.	2.3	26
7	Improved Synthetic Route to Heteroleptic Alkylphosphine Oxides. Organometallics, 2017, 36, 2412-2417.	2.3	15
8	Hydrogenation of CO₂ in Water Using a Bis(diphosphine) Niâ€“H Complex. ACS Catalysis, 2017, 7, 3089-3096.	11.2	66
9	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
10	Fluxional Behavior of cis-Fe(DMeOPrPE)2(H)2 (DMeOPrPEâ€‰=â€‰1,2-[bis(dimethoxypropyl)phosphino]ethane); Implications for the Pressure Swing Purification of Natural Gas. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 57-62.	3.7	0
11	Synthesis of tetraphosphine macrocycles using copper(<scp>i</scp>) templates. Dalton Transactions, 2016, 45, 8253-8264.	3.3	9
12	Low temperature cure of epoxy thermosets attaining high T_g using a uniform microwave field. Journal of Applied Polymer Science, 2016, 133, .	2.6	6
13	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
14	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
15	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
16	Highly efficient biphasic ozonolysis of alkenes using a high-throughput film-shear flow reactor. Tetrahedron Letters, 2016, 57, 1342-1345.	1.4	15
17	Steric and Electronic Influences of Buchwald-Type Alkyl-JohnPhos Ligands. Inorganic Chemistry, 2016, 55, 3079-3090.	4.0	40
18	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

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19	Enhanced oxidative desulfurization in a film-shear reactor. Fuel, 2015, 156, 142-147.	6.4	55
20	The synthesis of heteroleptic phosphines. Dalton Transactions, 2015, 44, 12473-12483.	3.3	34
21	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
22	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
23	Metalâ€“metal bond photochemistry as a tool for understanding the photochemical degradation of plastics. Inorganica Chimica Acta, 2015, 424, 29-37.	2.4	6
24	Crystal structure oftrans-dihydridobis[tris(dimethylamino)phosphane-ÎºP]platinum(II). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, m83-m84.	0.5	0
25	Benzyltris[2-(dibenzylamino)ethyl]ammonium iodide. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o5-o5.	0.2	0
26	Platinum Phosphinito Catalysts for Nitrile Hydration. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 145-156.	3.7	14
27	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
28	Nanoparticle catalysts for nitrile hydration. Coordination Chemistry Reviews, 2014, 280, 28-37.	18.8	58
29	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
30	Characterization of an Intermediate in the Ammonia-Forming Reaction of Fe(DMeOPrPE)₂N₂ with Acid (DMeOPrPE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 Td (1,2-[bis(dimethoxy	4.1	24
31	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
32	Structure and reactivity of iron(II) complexes of a polymerizable bis-phosphine ligand. Polyhedron, 2013, 52, 1169-1176.	2.2	5
33	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
34	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
35	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
36	Factors Controlling the Rate of Photodegradation in Polymers. ACS Symposium Series, 2012, , 73-84.	0.5	0

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37	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
38	Cyanohydrin Hydration with [Ru(Î·⁶-p-cymene)Cl₂PR₃] Complexes. Organometallics, 2012, 31, 2941-2944.	2.3	45
39	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
40	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
41	Applications of the Tachiya Fluorescence Quenching Model To Describe the Kinetics of Solid-State Polymer Photodegradation. Macromolecules, 2011, 44, 6625-6628.	4.8	5
42	Investigation of ligand effects on exciton recombination in PbS nanoparticles. Canadian Journal of Chemistry, 2011, 89, 339-346.	1.1	4
43	Synthesis and coordination chemistry of macrocyclic phosphine ligands. Coordination Chemistry Reviews, 2011, 255, 2860-2881.	18.8	71
44	Frontiers in catalytic nitrile hydration: Nitrile and cyanohydrin hydration catalyzed by homogeneous organometallic complexes. Coordination Chemistry Reviews, 2011, 255, 949-974.	18.8	187
45	Enhanced oxidative desulfurization of model fuels using a film-shear reactor. Fuel, 2011, 90, 898-901.	6.4	9
46	Bis{1,2-bis[bis(3-methoxypropyl)phosphanyl]ethane-Î²2P,Pâ€²}dichloridoosmium(II). Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1808-m1808.	0.2	0
47	Photodegradable plastics: end-of-life design principles. Green Chemistry Letters and Reviews, 2010, 3, 69-82.	4.7	41
48	Ironâ€“dinitrogen coordination chemistry: Dinitrogen activation and reactivity. Coordination Chemistry Reviews, 2010, 254, 1883-1894.	18.8	213
49	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
50	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
51	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
52	Aqueous Speciation of ansa- and non-ansa- Substituted [Cp2Mo(Î¼-OH)]2[OTs]2. Inorganica Chimica Acta, 2009, 362, 2039-2043.	2.4	9
53	Investigation of the Reactivity of Pt Phosphinito and Molybdocene Nitrile Hydration Catalysts With Cyanohydrins. Inorganic Chemistry, 2009, 48, 7828-7837.	4.0	48
54	Aqueous Coordination Chemistry of H₂: Why is Coordinated H₂Inert to Substitution by Water intrans-Ru(P₂)₂(H₂)H⁺-type Complexes (P₂= a Chelating Phosphine)?. Inorganic Chemistry, 2009, 48, 2976-2984.	4.0	11

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55	Theoretical Studies of N₂ Reduction to Ammonia in Fe(dmpe)₂N₂. Inorganic Chemistry, 2009, 48, 861-871.	4.0	43
56	Preparation of Photoreactive Oligomers by ADMET Polymerization of [(C₅H₄(CH₂)₈CHâ•CH₂)Mo(CO)₃]₂. Macromolecules, 2009, 42, 7644-7649.	4.8	23
57	Intermediates in the reduction of N2 to NH3: synthesis of iron Î·2 hydrazido(1â^') and diazene complexes. Dalton Transactions, 2009, , 4420.	3.3	39
58	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
59	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
60	Aspects of dihydrogen coordination chemistry relevant to reactivity in aqueous solution. Coordination Chemistry Reviews, 2008, 252, 212-230.	18.8	43
61	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
62	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 ETQq1 1 0.784314 rgBT /Overlock	2.9	13
63	A New Master's-Level Internship Program in Polymers. Polymer Reviews, 2008, 48, 642-652.	10.9	0
64	Transition-Metal-Containing Polymers by ADMET: Polymerization of cis-Mo(CO)₄(Ph₂P(CH₂)₃CHâ•CH₂)₂. Macromolecules, 2008, 41, 5555-5558.	4.8	25
65	Application of a Perrin-like Kinetics Model to the Photochemical Degradation of Polymers. Macromolecules, 2008, 41, 9525-9531.	4.8	11
66	Effect of Solvent on the Dimerization of the ansa-Molybdocene Catalyst [C₂Me₄Cp₂Mo(OH)(OH₂)][OTs]. Organometallics, 2008, 27, 2608-2613.	2.3	11
67	Tetracarbonylbis(Î·5-cyclopentadienyl)bis(diphenylphosphine)dimolybdenum(Moâ€”Mo) hexane solvate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m940-m940.	0.2	0
68	Mechanistic Aspects of Organometallic Radical Reactions. Progress in Inorganic Chemistry, 2007, , 125-194.	3.0	42
69	Bis(Î·5-Cyclopentadienyl)Molybdenum(IV) Complexes. Inorganic Syntheses, 2007, , 204-211.	0.3	9
70	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
71	Femtosecond Pumpâ^'Probe Transient Absorption Study of the Photolysis of [Cpâ€˜Mo(CO)3]2(Cpâ€˜ =) Tj ETQq1 1 0.784314 rgBT / Physical Chemistry A, 2007, 111, 5353-5360.	2.5	28
72	Synthesis and Characterization of an Iron(II) Î·²-Hydrazine Complex. Inorganic Chemistry, 2007, 46, 10476-10478.	4.0	73

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73	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
74	Organometallic Catalysis in Aqueous Solution. The Hydrolytic Activity of a Water-Soluble ansa-Molybdocene Catalyst. Organometallics, 2007, 26, 5179-5187.	2.3	35
75	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
76	Microviscosity and wavelength effects on radical cage pair recombination. Journal of Organometallic Chemistry, 2007, 692, 3261-3266.	1.8	5
77	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
78	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
79	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
80	Polymers with Metal-Metal Bonds along Their Backbones. , 2006, , 287-319.		2
81	Organometallic chemistry in aqueous solution: Reactions catalyzed by water-soluble molybdocenes. Coordination Chemistry Reviews, 2006, 250, 1141-1151.	18.8	62
82	Factors Controlling the Rate of Photodegradation in Polymers. ACS Symposium Series, 2006, , 384-397.	0.5	1
83	Mechanistic Aspects of the Photodegradation of Polymers Containing Metal-Metal Bonds along Their Backbones. , 2005, , 77-109.		1
84	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
85	Synthesis of ROMP Monomers Containing Metalâ€“Metal Bonds. Journal of Inorganic and Organometallic Polymers and Materials, 2005, 15, 439-446.	3.7	4
86	Reduction of N2to Ammonia and Hydrazine Utilizing H2as the Reductant. Journal of the American Chemical Society, 2005, 127, 10184-10185.	13.7	104
87	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
88	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
89	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
90	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

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91	Origin of Tensile Stress-Induced Rate Increases in the Photochemical Degradation of Polymers. Macromolecules, 2004, 37, 5430-5436.	4.8	46
92	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
93	Aqueous Phase Organometallic Catalysis Using (MeCp)2Mo(OH)(H2O)+. Intramolecular Attack of Hydroxide on Organic Substrates. Organometallics, 2004, 23, 1738-1746.	2.3	48
94	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
95	Photochemically degradable polymers containing metalâ€“metal bonds along their backbones. Coordination Chemistry Reviews, 2003, 246, 291-303.	18.8	52
96	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
97	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
98	An Industrial Internship Program in Polymer Chemistry. Journal of Chemical Education, 2002, 79, 796.	2.3	0
99	Precursors to Water-Soluble Dinitrogen Carriers. Synthesis of Water-Soluble Complexes of Iron(II) Containing Water-Soluble Chelating Phosphine Ligands of the Type [3,3-Bis(diphenylphosphino)propionic acid]. Inorganic Chemistry, 2002, 41, 5452-5465.	4.0	39
100	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, 418-	2.9	7
101	Using Computer Graphics to Demonstrate the Origin and Applications of the "Reacting Bond Rules". Journal of Chemical Education, 2002, 79, 1372.	2.3	1
102	Crystal structure of bis(Î·5-methylcyclopentadienyl)-bis(4-methylbenzenesulfonato-O)-molybdenum(IV). Journal of Chemical Crystallography, 2002, 32, 161-163.	1.1	1
103	Thermal and Photochemical Epimerization/Equilibration of Carbohydrate Cobaloximes. Journal of Organic Chemistry, 2001, 66, 5687-5691.	3.2	7
104	Cå^'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
105	Cå^'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
106	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
107	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
108	Intra- and Intermolecular H/D Exchange in Aqueous Solution Catalyzed by Molybdocenes. Angewandte Chemie - International Edition, 1999, 38, 2406-2408.	13.8	47

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109	The crystal structure of triiodo (Î·5-methoxycarbonyl-cyclopentadienyl)-dicarbonylmolybdenum(IV). Journal of Chemical Crystallography, 1998, 28, 767-769.	1.1	0
110	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
111	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
112	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
113	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
114	Activation of water by permethyltungstenocene; evidence for the oxidative addition of water. Chemical Communications, 1997, , 639-670.	4.1	27
115	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 ETQq1 1 0.784314 rgBT	4.1	44
116	Cage Effects in the Photochemical Degradation of Polymers. Studies of Model Complexes with Different Chain Lengths. Macromolecules, 1997, 30, 6404-6406.	4.8	16
117	Photochemical Heterolysis of the Metalâ^'Metal Bond in (Me3P)(OC)4OsW(CO)5. Organometallics, 1997, 16, 3431-3438.	2.3	11
118	Organometallic Photochemistry: Basic Principles and Applications to Materials Chemistry. Journal of Chemical Education, 1997, 74, 668.	2.3	7
119	Catalysis by 18 + Î´ Compounds. Cyclooligomerization of Acetylenes Catalyzed by Co(CO)3L2. Organometallics, 1996, 15, 4770-4775.	2.3	15
120	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
121	The crystal structure of tris(4-methylpyridine) tricarbonylmolybdenum(0). Journal of Chemical Crystallography, 1996, 26, 235-237.	1.1	5
122	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
123	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
124	Structure of 593-1593-1593-1hexafluorophosphate, [Co(C5H4COOMe)2](PF6). Journal of Chemical Crystallography, 1994, 24, 593-595.	1.1	0
125	New Class of Photochemically Reactive Polymers Containing Metalâ€"Metal Bonds Along the Polymer Backbone. ACS Symposium Series, 1994, , 481-496.	0.5	10
126	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

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127	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
128	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
129	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
130	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 ETQq0 0 0 rgBT /Overlock 10 Tf 50	13.7	24
131	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
132	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
133	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
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135	Photochemical disproportionation of metalî—¸metal bonded carbonyl dimers. Coordination Chemistry Reviews, 1985, 63, 217-240.	18.8	94
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