

Russell P Hughes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3301354/publications.pdf>

Version: 2024-02-01

191
papers

5,511
citations

81743

39
h-index

133063

59
g-index

194
all docs

194
docs citations

194
times ranked

4110
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible Light Switching of a BF ₂ -Coordinated Azo Compound. <i>Journal of the American Chemical Society</i> , 2012, 134, 15221-15224.	6.6	209
2	Near-Infrared Light Activated Azo-BF ₂ Switches. <i>Journal of the American Chemical Society</i> , 2014, 136, 13190-13193.	6.6	173
3	A switching cascade of hydrazone-based rotary switches through coordination-coupled proton relays. <i>Nature Chemistry</i> , 2012, 4, 757-762.	6.6	171
4	Dearomative Indole (3 + 2) Reactions with Azaoxyallyl Cations – New Method for the Synthesis of Pyrroloindolines. <i>Journal of the American Chemical Society</i> , 2015, 137, 14861-14864.	6.6	164
5	Dearomative Indole (3 + 2) Cycloaddition Reactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 6288-6296.	6.6	141
6	Selective Solubility of Organometallic Complexes in Saturated Fluorocarbons. Synthesis of Cyclopentadienyl Ligands with Fluorinated Ponytails. <i>Organometallics</i> , 1996, 15, 286-294.	1.1	116
7	Conversion of Carbon–Fluorine Bonds to Transition Metal Centers to Carbon–Hydrogen, Carbon–Carbon, and Carbon–Heteroatom Bonds. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4591-4606.	1.0	105
8	Organo-Transition Metal Compounds Containing Perfluorinated Ligands. <i>Advances in Organometallic Chemistry</i> , 1990, , 183-267.	0.5	102
9	Topochemical Synthesis of Single-Crystalline Hydrogen-Bonded Cross-Linked Organic Frameworks and Their Guest-Induced Elastic Expansion. <i>Journal of the American Chemical Society</i> , 2019, 141, 10915-10923.	6.6	92
10	Cyanide Detection Using a Triazolopyridinium Salt. <i>Organic Letters</i> , 2013, 15, 2386-2389.	2.4	79
11	Ï–Stacking between Pentafluorophenyl and Phenyl Groups as a Controlling Feature of Intra- and Intermolecular Crystal Structure Motifs in Substituted Ferrocenes. Observation of Unexpected Face-to-Face Stacking between Pentafluorophenyl Rings. <i>Chemistry of Materials</i> , 2000, 12, 1604-1610.	3.2	76
12	Synthesis and characterization of cationic iron vinylidene compounds: formation of carbon-hydrogen, carbon-nitrogen and carbon-phosphorus bonds and the x-ray crystal structure of [Fe(.eta.-C5H5)(CO)(PPh3) {C(PPh3):CH2}] ⁺ BF ₄ ⁻ . <i>Organometallics</i> , 1982, 1, 628-634.	1.1	75
13	Reactions of the cationic iron vinylidene compounds [Fe(.eta.-C5H5)(CO)(PPh3)(C:CH2)] ⁺ BF ₄ ⁻ with oxygen-hydrogen, nitrogen-hydrogen, sulfur-hydrogen, and chlorine-hydrogen bonds and carbon-carbon triple bonds. <i>Organometallics</i> , 1982, 1, 635-639.	1.1	67
14	[Ru(.eta.5-C5Me5)(.eta.5-C5F5)]: the first transition-metal complex containing a perfluorocyclopentadienyl ligand. <i>Journal of the American Chemical Society</i> , 1992, 114, 5895-5897.	6.6	62
15	Tuning the fluoros partition coefficients of organometallic complexes. The synthesis and characterization of [1-5-C5H4CH2CH2(CF2)9CF3]Rh(CO)L (L = CO or P[CH2CH2(CF2)5CF3]3) and Cl2Ni{P[CH2CH2(CF2)5CF3]3}2. <i>Inorganic Chemistry Communication</i> , 1998, 1, 197-199.	1.8	60
16	Hydrogenolysis of Aliphatic Carbon–Fluorine Bonds in Fluoroalkyl–Iridium Complexes to Give Hydrofluorocarbons. <i>Journal of the American Chemical Society</i> , 1999, 121, 6084-6085.	6.6	56
17	Synthesis and Structure of Intermediates in Copper-Catalyzed Alkylation of Diphenylphosphine. <i>Inorganic Chemistry</i> , 2010, 49, 7650-7662.	1.9	56
18	Building Strain with Large Macrocycles and Using It To Tune the Thermal Half-Lives of Hydrazone Photochromes. <i>Journal of the American Chemical Society</i> , 2018, 140, 11829-11835.	6.6	56

#	ARTICLE	IF	CITATIONS
19	Facile Activation of Carbon-Fluorine Bonds in Saturated Fluoroalkyl Ligands by Coordinated Water in Fluoroalkyl Aqua Complexes of Rhodium. <i>Journal of the American Chemical Society</i> , 1997, 119, 11544-11545.	6.6	55
20	A Simple Route to Difluorocarbene and Perfluoroalkylidene Complexes of Iridium. <i>Journal of the American Chemical Society</i> , 2005, 127, 15020-15021.	6.6	55
21	Iridium and Rhodium Complexes Containing Fluorinated Phenyl Ligands and Their Transformation to η^2 -Benzynes Complexes, Including the Parent Benzyne Complex $\text{IrCp}^*(\text{PMe}_3)(\text{C}_6\text{H}_4)$. <i>Organometallics</i> , 2002, 21, 4873-4885.	1.1	51
22	Unusual Reactivity of σ -Proton Sponges as a Hydride Donor to Transition Metals: Synthesis and Structural Characterization of Fluoroalkyl(hydrido) Complexes of Iridium(III) and Rhodium(III). <i>Organometallics</i> , 2001, 20, 3190-3197.	1.1	50
23	Transition metal promoted reactions of unsaturated hydrocarbons. <i>Journal of Organometallic Chemistry</i> , 1973, 60, 409-425.	0.8	48
24	Crystal and molecular structure of a five-coordinate rhodium(I)-diene complex and the correlation of structural parameters with carbon-13 nuclear magnetic resonance shifts. <i>Inorganic Chemistry</i> , 1977, 16, 314-319.	1.9	48
25	What Controls Regiochemistry in 1,3-Dipolar Cycloadditions of $\text{M}^{\text{I}}/\text{4nch}$ nonones with Nitrostyrenes?. <i>Organic Letters</i> , 2013, 15, 5218-5221.	2.4	47
26	Synthesis and Molecular Structure of $[\text{Ru}(\eta^5\text{-C}_5\text{H}_5)(\eta^5\text{-C}_5\text{F}_5)]$. Intramolecular Structural Comparison of the Cyclopentadienyl Ligand with its Perfluorinated Analog. <i>Organometallics</i> , 1994, 13, 1567-1568.	1.1	46
27	Bonding Analysis of $\text{TM}(\text{cAAC})_2$ (TM = Cu, Ag, and Au) and the Importance of Reference State. <i>Organometallics</i> , 2015, 34, 3442-3449.	1.1	46
28	Chloropalladation of alkyl-substituted methylenecyclopropanes. <i>Journal of the American Chemical Society</i> , 1982, 104, 5369-5379.	6.6	45
29	Iridium-Promoted Reactions of Carbon-Carbon Bonds. Skeletal Rearrangement of a Vinylcyclopropene during Iridacyclohexadiene Formation and Subsequent Isomerization of Iridacyclohexadienes via η^2 -Substituent Migrations. <i>Journal of the American Chemical Society</i> , 2000, 122, 2261-2271.	6.6	44
30	Reductive Activation of Carbon-Fluorine Bonds in Perfluoroalkyl Ligands: An Unexpected Route to the Only Known Tetrafluorobutatriene Transition Metal Complex: $\text{Ir}(\eta^5\text{-C}_5\text{Me}_5)(\text{PMe}_3)(2,3\text{-}\eta^2\text{-CF}_2\text{CCCCF}_2)$. <i>Journal of the American Chemical Society</i> , 2004, 126, 2308-2309.	6.6	44
31	Does η^2 -Fluorination Affect the Structural trans-Influence and Kinetic trans-Effect of an Alkyl Ligand? Molecular Structures of $\text{Pd}(\text{TMEDA})(\text{CH}_3)(\text{RF})$ and a Kinetic Study of the trans to cis Isomerization of $\text{Pt}(\text{TMEDA})(\text{CH}_3)_2(\text{RF})$ [RF = CF_2CF_3 , CFHCF_3 , CH_2CF_3]. <i>Inorganic Chemistry</i> , 2004, 43, 747-756.	1.9	44
32	Competitive C-H and C-C activation in the reaction of pentamethylcyclopentadiene with decacarbonyldimanganese. <i>Organometallics</i> , 1986, 5, 2391-2392.	1.1	43
33	A Masked Phosphinidene Trapped in a Fluxional NCN Pincer. <i>Chemistry - A European Journal</i> , 2016, 22, 17562-17565.	1.7	42
34	Transition metal promoted reactions of unsaturated hydrocarbons. <i>Journal of Organometallic Chemistry</i> , 1973, 60, 387-407.	0.8	41
35	Activation of a fluorinated carbon-carbon bond by oxidative addition of tetrafluorocyclopropene to platinum(0). The first example of a perfluorometallacyclobutene. <i>Organometallics</i> , 1988, 7, 2239-2241.	1.1	41
36	Reactions of Iridium and Rhodium Complexes Containing η^2 -Benzynes, η^2 -Tetrafluorobenzynes, and η^2 -Trifluorobenzynes Ligands. Differential Rates of Arene Elimination by Protonation of Isomeric Fluoroaryl Complexes and Restricted Rotation of PMe_3 Ligands in ortho-Iodo and ortho-Bromoaryl Complexes. <i>Organometallics</i> , 2003, 22, 2134-2141.	1.1	41

#	ARTICLE	IF	CITATIONS
37	Carbon-Fluorine Bond Activation Coupled with Carbon-Hydrogen Bond Formation to Iridium: Kinetics, Mechanism, and Diastereoselectivity. <i>Journal of the American Chemical Society</i> , 2005, 127, 15585-15594.	6.6	41
38	β - and γ -Fluorine Elimination Reactions Induced by Reduction of Iridium-Fluoroalkyl Complexes. Selective Formation of Fluoroalkylidene and Hydrofluoroalkene Ligands. <i>Organometallics</i> , 2006, 25, 2908-2910.	1.1	41
39	Fluorine as a ligand substituent in organometallic chemistry: A second chance and a second research career. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1059-1070.	0.9	41
40	Fluorocarbene, fluoroolefin, and fluorocarbyne complexes of Rh. <i>Chemical Science</i> , 2017, 8, 3178-3186.	3.7	40
41	Perfluorobenzyl Complexes of Cobalt and Rhodium. Unusual Coupling between Pentafluorophenyl and Pentamethylcyclopentadienyl Rings. <i>Organometallics</i> , 1996, 15, 5678-5686.	1.1	39
42	Comment on "Observation of alkaline earth complexes $M(CO)_8$ ($M = Ca, Sr, or Ba$) that mimic transition metals". <i>Science</i> , 2019, 365, .	6.0	39
43	Carbon-Fluorine Bond Hydrogenolysis in Perfluoroethyl-Iridium Complexes To Give HFC-134a Involves Heterolytic Activation of H_2 . <i>Organometallics</i> , 2002, 21, 3085-3087.	1.1	38
44	General Preparation of $(N)_3ZrX$ ($(N)_3 = Et, iPr, nPr, nBu, iBu, tBu, Ph, CH_2=CH, CH_2=CMe, CH_2=CMe_2, CH_2=CMe_3, CH_2=C(CMe)_2, CH_2=C(CMe)(Ph), CH_2=C(Ph)_2, CH_2=C(Ph)Me, CH_2=C(Ph)CMe_2, CH_2=C(Ph)CMe_3, CH_2=C(Ph)C(CMe)_2, CH_2=C(Ph)C(CMe)(Ph), CH_2=C(Ph)C(CMe)(Ph)_2, CH_2=C(Ph)C(CMe)(Ph)_3, CH_2=C(Ph)_3$) Hydride Surrogate. <i>Organometallics</i> , 2009, 28, 573-581.	1.1	37
45	Titanium(IV) Trifluoromethyl Complexes: New Perspectives on Bonding from Organometallic Fluorocarbon Chemistry. <i>Organometallics</i> , 2012, 31, 1484-1499.	1.1	37
46	Synthesis, Structure, and Luminescence of Copper(I) Halide Complexes of Chiral Bis(phosphines). <i>Inorganic Chemistry</i> , 2017, 56, 12809-12820.	1.9	37
47	Transition metal-promoted reactions of unsaturated hydrocarbons. <i>Journal of Organometallic Chemistry</i> , 1974, 69, 455-472.	0.8	36
48	Synthesis, Molecular Structures, and Dynamics of Primary and Secondary Fluoroalkyl Complexes of Palladium(II) with Tetramethylethylenediamine (TMEDA) Ligands. Evaluation of the Structural Influences of Methyl and Fluoroalkyl Groups as Ligands within the Same Coordination Sphere. <i>Organometallics</i> , 2000, 19, 5190-5201.	1.1	36
49	Synthesis and Molecular Structures of Perfluoro-n-alkyl Complexes of Platinum(II) and Platinum(IV) Containing Tetramethylethylenediamine (TMEDA) or 1,2-Bis(diphenylphosphino)ethane (DPPE) Ligands. <i>Organometallics</i> , 2001, 20, 3800-3810.	1.1	36
50	The First Transition Metal Complex of Tetrafluorobenzynes: $Ir(\eta^5-C_5Me_5)(PMe_3)(\eta^2-C_6F_4)$. <i>Journal of the American Chemical Society</i> , 2001, 123, 7443-7444.	6.6	35
51	Mechanism of formation of (3-oxocyclobutenyl)cobalt compounds from $[Co(CO)_4]^-$ and cyclopropenium cations. <i>Journal of the American Chemical Society</i> , 1982, 104, 4846-4859.	6.6	34
52	Ancillary Ligand-Controlled Selectivity for Metal or Cyclopentadienyl Ring Fluoroalkylation in Reactions of Fluoroalkyl Iodides with Cyclopentadienylrhodium Complexes. <i>Organometallics</i> , 1997, 16, 5-7.	1.1	34
53	Reactions of Halofluorocarbons with Group 6 Complexes $M(C_5H_5)_2L$ ($M = Mo, W; L = C_2H_4, CO$). Fluoroalkylation at Molybdenum and Tungsten, and at Cyclopentadienyl or Ethylene Ligands. <i>Journal of the American Chemical Society</i> , 2001, 123, 3279-3288.	6.6	34
54	Synthesis and Structure of the Thallium(I) Salt of the Tetrakis{3,5-bis(trifluoromethyl)phenyl}borate Anion. <i>Inorganic Chemistry</i> , 1997, 36, 1726-1727.	1.9	33

#	ARTICLE	IF	CITATIONS
73	Oxidative addition of cyclopropenyl cations to zerovalent molybdenum and tungsten centers. Synthesis of η^3 -cyclopropenyl and η^3 -oxocyclobutenyl complexes of molybdenum(II) and tungsten(II). Crystal and molecular structures of $[\text{Mo}(\eta^5\text{-C}_5\text{H}_5)(\eta^3\text{-C}_3\text{Ph}_2\text{R})(\text{CO})_2]$ (R = Ph). <i>Tj ETQq1 1 0.784314 rgBT7</i>	11.1	25
74	An η^2 -tetrafluoroethylene)ruthenium complex with a metallacyclopropane structure but with a low barrier to propellor rotation. <i>Journal of the American Chemical Society</i> , 1992, 114, 3153-3155.	6.6	25
75	Synthesis and Molecular Structure of a Perfluoroalkyl Complex of Platinum Containing a PCP Pincer Ligand. <i>Organometallics</i> , 2001, 20, 4741-4744.	1.1	25
76	α -Carbon-hydrogen and α -carbon-carbon bond cleavage in an iridacyclohexadiene. Interchange of α -hydrogen and α -phenyl substituents without accompanying skeletal rearrangement. <i>Journal of the American Chemical Society</i> , 1993, 115, 1583-1585.	6.6	24
77	Facile propeller rotation in metallacyclopropanes. Synthesis and dynamic behavior of new tetrafluoroethylene-ruthenium complexes. Crystal and molecular structures of $[\text{Ru}(\eta^5\text{-C}_5\text{Me}_5)\text{Cl}(\eta^2\text{-C}_2\text{F}_4)]_2$. <i>Organometallics</i> , 1993, 12, 3102-3108.	1.1	24
78	Synthesis, Reactivity, and Resolution of a C_2 -Symmetric, Pâ€“Stereogenic Benzodiphosphetane, a Building Block for Chiral Bis(phosphines). <i>Organic Letters</i> , 2012, 14, 4238-4241.	2.4	24
79	Synthesis, structures, and solution dynamics of mononuclear and dinuclear (η^5 -indenyl)rhodium complexes of octafluorocyclooctatetraene. Crystal and molecular structures of $[\text{Rh}(\eta^5\text{-C}_9\text{H}_7)(1,2,5,6\text{-}\eta^4\text{-C}_8\text{F}_8)]$, $[[\text{Rh}(\eta^5\text{-C}_9\text{H}_7)]_2[\mu\text{-}(1,5,6\text{-}\eta^2\text{-}2\text{-}4\text{-}\eta^4\text{-C}_8\text{F}_8)](\text{Rh-Rh})]$, $[[\text{Rh}(\eta^5\text{-C}_9\text{H}_7)]_2[\mu\text{-}(1,5,6\text{-}\eta^2\text{-}2\text{-}4\text{-}\eta^4\text{-C}_8\text{F}_7\text{H})](\text{Rh-Rh})]$, and		

#	ARTICLE	IF	CITATIONS
91	2-Cyclopropene-1-carbonyl compounds of rhenium, manganese, and iron. A facile route to nonfluxional 3-eta.1-cyclopropenyl compounds of rhenium. <i>Journal of the American Chemical Society</i> , 1982, 104, 4842-4846.	6.6	21
92	Gas-phase and solution studies of the oxidation of the first perfluorocyclopentadienyl complex, [Ru(eta.5-C5Me5)(eta.5-C5F5)]. <i>Organometallics</i> , 1993, 12, 613-615.	1.1	21
93	Preparation and dynamic behavior of eta.3-cyclopropenyl complexes of cobalt, rhodium, and iridium. Crystal and molecular structure of [Ir(eta.3-C3tBu3)(CO)3]. <i>Organometallics</i> , 1993, 12, 3069-3074.	1.1	21
94	Preparation of the 1,2-Di-tert-Butylcyclopentadienyl Anion and a Transition Metal Derivative. Crystal Structure of 1,1',2,2'-Tetra-tert-butylferrocene. <i>Organometallics</i> , 1994, 13, 2691-2695.	1.1	21
95	Skeletal Rearrangement during Rhodium-Promoted Ring Opening of 1,2-Diphenyl-3-vinyl-1-cyclopropene. Preparation and Characterization of 1,2- and 2,3-Diphenyl-3,4-pentadienediyl Rhodium Complexes and Their Ring Closure to a 1,2-Diphenylcyclopentadienyl Complex. <i>Organometallics</i> , 1999, 18, 2766-2772.	1.1	21
96	Synthesis of Gold Phosphido Complexes Derived from Bis(secondary) Phosphines. Structure of Tetrameric [Au(MesP(CH ₂) ₂) ₂ (CH ₂) ₃ PMes)Au] ₄ . <i>Inorganic Chemistry</i> , 2010, 49, 3950-3957.	1.9	21
97	Inversion of Configuration at the Phosphorus Nucleophile in the Diastereoselective and Enantioselective Synthesis of P-sterogenic syn-Phosphiranes from Chiral Epoxides. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5047-5051.	7.2	21
98	Chiral Bis(Phospholane) PCP Pincer Complexes: Synthesis, Structure, and Nickel-Catalyzed Asymmetric Phosphine Alkylation. <i>Organometallics</i> , 2018, 37, 2159-2166.	1.1	21
99	Activation of metal-acyl oxygen atoms by triflic anhydride: a simple synthetic route to reactive cationic vinylidene complexes. <i>Journal of Organometallic Chemistry</i> , 1979, 172, C29-C32.	0.8	20
100	Chloropalladation of phenyl-substituted methylenecyclopropanes. <i>Journal of the American Chemical Society</i> , 1982, 104, 5380-5383.	6.6	20
101	Reactions of cyclopropenyl cations with Group VIB metal carbonyl anions. Synthesis of eta.3-oxocyclobutenyl complexes of chromium, molybdenum, and tungsten. <i>Organometallics</i> , 1985, 4, 1761-1766.	1.1	20
102	Synthesis, structures, and conformational dynamics of dicobalt complexes containing the hexafluorodidehydrocyclooctatetraene (hexafluorocycloocta-3,5,7-trien-1-yne) ligand. Crystal and molecular structures of [(Co(L)(CO)2)2(mu.2-(1-eta.,2-eta.)-C8F6)] (L = CO, PPh3, PPhMe2, PMe3). <i>Organometallics</i> , 1990, 9, 2745-2753.	1.1	20
103	Stereoselective ring expansion of 3-vinyl-1-cyclopropenes to give (eta.5-cyclopentadienyl)ruthenium and (eta.4-cyclohexadienone)iron complexes. Exclusion of planar metallacyclohexadiene intermediates and relevance to the Doetz reaction. <i>Organometallics</i> , 1995, 14, 4319-4324.	1.1	20
104	Oxidative addition reaction of perfluoro-n-butyl iodide to (COD)PtMe2 to give (COD)PtMe(nC4F9).. <i>Polyhedron</i> , 2002, 21, 2357-2360.	1.0	20
105	Mechanism of rhodium-promoted conversion of 3-vinyl-1-cyclopropenes to 1,3-cyclopentadienes. Stereochemistry of the carbon-carbon bond-forming step. <i>Journal of the American Chemical Society</i> , 1990, 112, 7076-7077.	6.6	19
106	Steric congestion in a cyclopentadienyl ligand bearing tert-butyl groups on three contiguous carbon atoms: crystal and molecular structure of (eta.5-1,2,3-tri-tert-butylcyclopentadienyl)(eta.5-indenyl)rhodium(III) hexafluorophosphate. <i>Organometallics</i> , 1992, 11, 64-69.	1.1	19
107	Electron distribution and bonding in eta.3-cyclopropenyl-metal complexes. <i>Organometallics</i> , 1993, 12, 2025-2031.	1.1	19
108	Synthesis and structural characterization of group 6 transition metal complexes with terminal fluoromethylidyne (CF) ligands; a DFT/NBO/NRT comparison of bonding characteristics of terminal NO, CF and CH ligands. <i>Dalton Transactions</i> , 2011, 40, 47-55.	1.6	19

#	ARTICLE	IF	CITATIONS
109	Cobalt complexes of hexafluorodehydrocyclooctatetraene: synthesis and crystal and molecular structures of [Co(CO) ₃] ₂ (C ₈ F ₆) and [Co(CO) ₂ (PPh ₃) ₂](C ₈ F ₆). <i>Organometallics</i> , 1984, 3, 1921-1922.	1.1	18
110	Kinetics of carbonyl substitution in reactions of η^3 -cyclopropenyl complexes of iron, cobalt, rhodium, and iridium with phosphorus ligands. First examples of a dissociative mechanism for CO substitution in the cobalt triad carbonyl complexes. <i>Journal of the American Chemical Society</i> , 1993, 115, 11312-11318.	6.6	18
111	Generation of Hydrofluoronickelacycles from Trifluoroethylene and Ni(0): Ligand Effects on Regio-/Stereoselectivity and Reactivity. <i>Journal of the American Chemical Society</i> , 2017, 139, 4075-4086.	6.6	18
112	A novel synthetic route to cyclobutadiene complexes of molybdenum and tungsten. Crystal and molecular structure of Mo(η^3 -C ₅ H ₅)(η^3 -C ₄ Ph ₃ Me)(CO)(Cl). <i>Organometallics</i> , 1984, 3, 1761-1763.	1.1	17
113	Reactions of cyclopropenyl cations with tricarbonylnitrosylferrate(1-), tetracarbonylcobaltate(1-), and octacarbonyldicobalt. Synthesis and conformational and configurational stabilities of η^3 -cyclopropenyl and η^3 -oxocyclobutenyl complexes of iron and cobalt. Crystal and molecular structure of Fe(η^3 -C ₃ Ph ₂ -tert-Bu)(CO) ₂ (NO). <i>Organometallics</i> , 1986, 5, 789-797.	1.1	17
114	Nickel, palladium, and platinum complexes derived from octafluorocyclooctatetraene. Synthesis of 1-2:5-6- η^3 -octafluorocyclooctatetraene complexes of nickel(0) and η^2 -2-octafluorobicyclo[3.3.0]octa-2,7-diene-4,6-diyl complexes of nickel(II), palladium(II), and platinum(II). <i>Organometallics</i> , 1990, 9, 838-844.	1.1	17
115	Stereoselective rhodium-promoted ring closure of an η^3 -4-1,3-pentadienediyl ligand to an η^3 -4-1,3-cyclopentadiene, with subsequent regiospecific endo-H migration: molecular structure of	1.1	17
116	The chloropalladation of 2,2-diphenylmethylenecyclopropanes. <i>Journal of Organometallic Chemistry</i> , 1980, 184, C67-C69.	0.8	16
117	Tin and thallium reagents for transfer of the 1,2-di-tert-butylcyclopentadienyl ligand to transition metals. <i>Inorganica Chimica Acta</i> , 1995, 240, 653-656.	1.2	16
118	Synthesis, molecular structures, and chemistry of some new palladium(ii) and platinum(ii) complexes with pentafluorophenyl ligands. <i>Dalton Transactions</i> , 2004, , 2720.	1.6	16
119	The First Example of a Bis(trifluoromethyl)carbene Transition-Metal Complex and Its Reduction to a Perfluoroallene Complex. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4723-4725.	1.0	16
120	Coordination contributions to protein stability in metal-substituted carbonic anhydrase. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 659-667.	1.1	16
121	A novel transition metal-promoted rearrangement of a cyclopropenyl cation. Synthesis and crystal and molecular structure of a 1-3- η^3 -butadienyl complex of platinum. <i>Organometallics</i> , 1985, 4, 2055-2057.	1.1	15
122	Thallium(I) Selectively Abstracts Fluoride from a Tertiary Carbon-Fluorine Bond under Conditions Where Silver(I) Selectively Abstracts Iodide from Rhodium. <i>Journal of the American Chemical Society</i> , 1997, 119, 10231-10232.	6.6	15
123	Fluoroalkylation of cobalt complexes: selective reactions at the metal or the cyclopentadienyl ring. <i>Journal of Organometallic Chemistry</i> , 1997, 548, 109-112.	0.8	15
124	Serendipitous Discovery of a Simple Compound with an Unsupported Ir-Ir Bond. <i>Organometallics</i> , 2009, 28, 1575-1578.	1.1	15
125	Synthesis and Structural Characterization of New Perfluoroacyl and Perfluoroalkyl Group 6 Transition Metal Compounds. <i>Organometallics</i> , 2010, 29, 1948-1955.	1.1	15
126	Interactions of small organic rings with transition metals. Formation of η^3 -cyclobutenonyl complexes by the ring expansion of 2-cyclopropene-1-carbonyl metal species. <i>Journal of the American Chemical Society</i> , 1979, 101, 233-235.	6.6	14

#	ARTICLE	IF	CITATIONS
127	Stereochemical features of the 1,3-chloropalladation of bicyclic methylenecyclopropanes. <i>Journal of the American Chemical Society</i> , 1981, 103, 2428-2430.	6.6	14
128	Reinvestigations of some reactions of metal carbonyl anions with cyclopropenium cations. Conversion of η^3 -cyclopropenyl to η^3 -cyclobutenonyl ligands. <i>Organometallics</i> , 1982, 1, 1403-1405.	1.1	14
129	Octafluorocyclooctatetraene transition metal compounds: displacement of fluoride by metal carbonyl anions. <i>Journal of Organometallic Chemistry</i> , 1983, 250, c1-c4.	0.8	14
130	Synthesis of η^6 -octafluorocyclooctatetraene and η^6 -cyclooctatetraene complexes of manganese(I). Molecular structures of $[\text{Mn}(\eta^5\text{-C}_5\text{R}_5)(\eta^6\text{-C}_8\text{X}_8)]$ (R = H, Me, X = F; R = Me, X = H). <i>Organometallics</i> , 1989, 8, 1261-1269.	1.1	14
131	Selective Fluoroalkylation of Cyclopentadienyl and Ethylene Ligands in Reactions of Perfluoroalkyl Iodides with Low-Valent Complexes of Molybdenum and Tungsten: A Evidence for a Fluorocarbanion Mechanism. <i>Journal of the American Chemical Society</i> , 1997, 119, 5988-5989.	6.6	14
132	Unexpected Formation of an Organoplatinum(IV) Fluoride Complex in the Reaction of Pt(TMEDA)(CH ₃) ₂ with Perfluoro-sec-butyl Iodide. <i>Organometallics</i> , 2005, 24, 4845-4848.	1.1	14
133	Carbon-Fluorine Bond Activation Coupled with Alkynyl Migration to Give Fluorinated Allenyl Complexes of Iridium. <i>Organometallics</i> , 2006, 25, 3943-3947.	1.1	14
134	Octahedral perfluoroalkyl complexes of Ir(III) formed by oxidative addition of perfluoroalkyl iodides to Ir(acac)(CO) ₂ . <i>Canadian Journal of Chemistry</i> , 2009, 87, 151-160.	0.6	14
135	Synthesis of a Tris(phosphaalkene)phosphine Ligand and Fundamental Organometallic Reactions on Its Sterically Shielded Metal Complexes. <i>Organometallics</i> , 2016, 35, 2224-2231.	1.1	14
136	Streamlined Preparation and Coordination Chemistry of Hybrid Phosphine-Phosphaalkene Ligands. <i>Organometallics</i> , 2016, 35, 855-859.	1.1	14
137	Synthesis and Molecular Structure of the First Example of an η^4 -Complex of Hexafluorobutadiene: $[\text{RuCl}(\eta^5\text{-C}_5\text{Me}_5)(\eta^4\text{-C}_4\text{F}_6)]$. Structural Comparison of Coordinated Butadiene and Its Perfluorinated Analog. <i>Organometallics</i> , 1995, 14, 2407-2414.	1.1	13
138	Additivity of Fluorine Substituent Effects in Ruthenocene Ionization Energetics. <i>Organometallics</i> , 1997, 16, 149-150.	1.1	13
139	Experimental and Computational Evidence for 1,4-Diradical Intermediates in Reactions of Cobalt Fluorocarbene Complexes with Terminal Aryl-alkynes to give Metallacyclobutenes. <i>Organometallics</i> , 2017, 36, 2853-2860.	1.1	13
140	Unprecedented co-ordination of a cyclo-octatetraene ligand. Synthesis and crystal and molecular structure of $(\eta^5\text{-pentamethylcyclopentadienyl})(1,4\text{-}\eta^8\text{-octafluorocyclooctatetraene})(\text{trimethylphosphine})\text{rhodium(III)}$. <i>Journal of the Chemical Society Chemical Communications</i> , 1986, .	2.0	12
141	Synthesis and dynamic NMR studies of η^3 -triphenyl- and η^3 -trimethylcyclopropenyl complexes of ruthenium, $[\text{Ru}(\eta^5\text{-C}_5\text{R}_5)(\eta^3\text{-C}_3\text{R}'_3)\text{X}_2]$ (R = H, Me; R' = Me, Ph; X = Cl, Br, I). Extended Hückel molecular orbital study of barriers to rotation of η^3 -cyclopropenyl ligands in isoelectronic ruthenium and molybdenum complexes. <i>Organometallics</i> , 1993, 12, 2258-2267.	1.1	12
142	Unusual rhodium promoted reaction of a vinylcyclopropene to give a cyclobutadiene ligand. Formation of $(\eta^5\text{-pentamethylcyclopentadienyl})\text{-}[\eta^4\text{-tri-}t\text{-butyl(methyl) cyclobutadiene}]\text{rhodium}$. <i>Journal of Organometallic Chemistry</i> , 1994, 472, c18-c20.	0.8	12
143	A New Synthesis of 1,5-Di- <i>tert</i> -butyl-1,3-cyclopentadiene by Dehydration of an Epoxide and Characterization of its Diels-Alder Dimer. <i>Journal of Organic Chemistry</i> , 1996, 61, 401-404.	1.7	12
144	Diastereoselective Coordination of P-Stereogenic Secondary Phosphines in Copper(I) Chiral Bis(phosphine) Complexes: Structure, Dynamics, and Generation of Phosphido Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 8854-8865.	1.9	12

#	ARTICLE	IF	CITATIONS
145	Syntheses of cationic and zwitterionic cyclobutadiene compounds of cobalt(I). Crystal and molecular structure of tricarbonyl(.eta.-1-methoxy-3-methyl-2-phenylcyclobutadiene)cobalt(1+) hexafluorophosphate. <i>Organometallics</i> , 1982, 1, 812-819.	1.1	11
146	Synthesis and crystal and molecular structure of an .eta.-cyclopropene complex of molybdenum. <i>Organometallics</i> , 1985, 4, 241-244.	1.1	11
147	Reactions of (.eta.3-cyclopropenyl)iron complexes with tertiary phosphorus ligands. Competition between ligand substitution and cyclopropenyl migration to carbon monoxide followed by ring expansion to give oxocyclobutenyl ligands. <i>Organometallics</i> , 1986, 5, 797-804.	1.1	11
148	Synthesis and structural characterization of a coordinatively unsaturated ruthenium complex, Cp ⁺ -Ru(Ph ₂ nacnac), and its CO adduct. <i>Polyhedron</i> , 2008, 27, 734-738.	1.0	11
149	Steric blocking of .eta.3 .fwdarw. .eta.1 .fwdarw. .eta.3 isomerizations of an .eta.3-allylic ligand. Crystal and molecular structures of 1,3-chloropalladation products of cis-9-methylenebicyclo[6.1.0]nonane and cis-7-methylenebicyclo[4.1.0]heptane. <i>Organometallics</i> , 1982, 1, 1221-1225.	1.1	10
150	Octafluorocyclooctatetraene transition-metal compounds. Novel transannular ring closures and a formal intramolecular redox equilibrium between 1,2,5,6-.eta. and 1,2,3,6-.eta. ligands. <i>Organometallics</i> , 1983, 2, 195-197.	1.1	10
151	Pentamethylcyclopentadienyl cobalt and rhodium complexes of octafluorocyclooctatetraene. Photochemical and thermal interconversion of 1,2,5,6-.eta.- and 1,2,3,6-.eta.-C ₈ F ₈ isomers. Electrochemical and ESR characterization of the 19-electron radical anion [Co(.eta.-C ₅ Me ₅)(1,2,5,6-.eta.-C ₈ F ₈)] ⁻ . <i>Organometallics</i> , 1987, 6, 611-616.	1.1	10
152	Molecular Structure of Ru(̂-C ₅ Me ₅)(̂-C ₅ F ₅) by Gas-Phase Electron Diffraction and Density Functional Theory. <i>Organometallics</i> , 2002, 21, 4840-4846.	1.1	10
153	Synthesis and structural studies of perfluoroalkyl-rhodium and iridium(iii) compounds containing tris(pyrazolyl)borate ligands. <i>Dalton Transactions RSC</i> , 2002, , 3245-3252.	2.3	10
154	Synthesis and molecular structures of platinum(II) and platinum(IV) diimine complexes possessing fluoroalkyl ligands. <i>Canadian Journal of Chemistry</i> , 2003, 81, 1270-1279.	0.6	10
155	Variable-Temperature NMR Determination of the Barriers to Rotation about the Ir ⁺ C ̂f-Bond in a Series of Primary Perfluoroalkyl Iridium Complexes [IrCp*{(CF ₂) _n CF ₃ }(PMe ₃) ₂]+X ⁻ [n = 1, 2, 3, 5, 7, 9, 11; X = I, OTf]. <i>Organometallics</i> , 2007, 26, 264-271.	1.1	10
156	Synthesis and X-ray Structure of a Diamagnetic Oxo-Bridged Trifluoromethyl ⁺ Chromium(V) Complex: Structural and Computational Comparisons between CF ₃ and CH ₃ Ligands in Two Different Oxidation States of Chromium. <i>Organometallics</i> , 2010, 29, 3672-3675.	1.1	10
157	Synthesis and Structure of Metal Complexes of P-Stereogenic Chiral Phosphiranes: An EDA-NOCV Analysis of the Donor ⁺ Acceptor Properties of Phosphirane Ligands. <i>Organometallics</i> , 2018, 37, 1473-1482.	1.1	10
158	Transition-metal chemistry of octafluorocyclooctatetraene. Synthesis and x-ray structure of a novel five-coordinate cis-dialkylnickel complex. <i>Organometallics</i> , 1986, 5, 1053-1055.	1.1	9
159	Reversible Carbon-Carbon Bond Cleavage of a 3-Vinyl-1-Cyclopropene by Rh(I). Molecular Structures of Two Sterically Crowded 1,2,3,5-̂-Pentadienediyl Complexes of Rh(III). <i>Israel Journal of Chemistry</i> , 1990, 30, 351-360.	1.0	9
160	Flash Vacuum Thermolysis of ̂-5-Oxocyclohexadienyl Complexes of Ruthenium To Give ̂-5-Cyclopentadienyl Ligands. <i>Organometallics</i> , 1998, 17, 270-273.	1.1	9
161	A (pentafluoroethyl)(trifluoromethyl)carbene complex of iridium and reductive activation of its sp ³ carbon ⁺ fluorine bonds to give perfluoro-2-butyne, perfluoro-1,2,3-butatriene	1.6	9
162	.eta.3-Cyclopropenyl is isolobal with nitrosyl, but not with .eta.3-propenyl (allyl): evidence from conformational preferences and rotational barriers in alkene and alkyne complexes of iridium. <i>Organometallics</i> , 1993, 12, 4736-4738.	1.1	8

#	ARTICLE	IF	CITATIONS
163	A Monomeric Perfluoroalkyl Iridium(III) Amido Complex with an Ir=N Double Bond and Its Reactions To Activate sp ³ Carbon-Hydrogen Bonds at Room Temperature. <i>Organometallics</i> , 2009, 28, 4646-4648.	1.1	8
164	Diastereoselective Synthesis of P-Stereogenic Secondary Phosphine Oxides (SPOs) Bearing a Chiral Substituent by Ring Opening of (+)-Limonene Oxide with Primary Phosphido Nucleophiles. <i>Journal of Organic Chemistry</i> , 2020, 85, 14516-14526.	1.7	8
165	Syntheses of metal carbonyls. <i>Journal of Organometallic Chemistry</i> , 1985, 286, 361-368.	0.8	7
166	An Unusual Migratory Insertion of CO into a Pentamethylcyclopentadienyl-Platinum Bond. <i>Organometallics</i> , 2007, 26, 5735-5736.	1.1	7
167	Reactions of diiron enneacarbonyl with pyrylium iodides. <i>Journal of Organometallic Chemistry</i> , 1977, 141, C29-C32.	0.8	6
168	A Convenient Synthesis of 2-Alkyl-3-Deutero-2-Cyclopropene-1-Carboxylic Acids. <i>Synthetic Communications</i> , 1981, 11, 999-1004.	1.1	6
169	Cyclopentadienylcobalt and rhodium complexes containing monocyclic and bicyclic valence isomers of octafluorocyclooctatetraene: crystal and molecular structures of the exo and endo isomers of (.eta.-cyclopentadienyl)(2-5-.eta.-octafluorobicyclo[4.2.0]octa-2,4,7-triene)rhodium(I). <i>Organometallics</i> , 1985, 4, 1606-1611.	1.1	6
170	Molybdenum and tungsten complexes containing the 1,2-di-tert-butylcyclopentadienyl ligand. <i>Journal of Organometallic Chemistry</i> , 1996, 517, 63-70.	0.8	6
171	Unexpected Synthesis of a Perfluoroacyl Complex, Cp*Ir(CO)(COC ₆ F ₁₁)Br, by Direct Fluoroalkylation of a CO Ligand, and Elimination of Perfluorocyclohexene by Activation of a Ir-C-F Bond. <i>Organometallics</i> , 2011, 30, 1744-1746.	1.1	6
172	Synthesis, structure, and reactivity of iridium perfluorocarbene complexes: regio- and stereo-specific addition of HCl across a metal carbon double bond. <i>Dalton Transactions</i> , 2015, 44, 19528-19542.	1.6	6
173	<i>E</i>-Selective Synthesis and Coordination Chemistry of Pyridine-Phosphaalkenes: Five Ligands Produce Four Distinct Types of Ru(II) Complexes. <i>Organometallics</i> , 2019, 38, 3338-3348.	1.1	6
174	Cationic cobalt(I) carbonyl compounds containing complexed cyclobutadienes. <i>Journal of Organometallic Chemistry</i> , 1979, 169, C12-C14.	0.8	5
175	Reversible Insertion of Iridium into a Cyclopropenyl Carbon-Carbon Bond. <i>Organometallics</i> , 1994, 13, 4664-4666.	1.1	5
176	Reactions of Perfluoroisopropyl Iodide with Cyclopentadienyl-Rhodium Complexes in Methanol. An Unexpected Route to a Rhodium-Fulvalene Complex. <i>Organometallics</i> , 2002, 21, 243-246.	1.1	5
177	Synthesis and crystallographic characterization of dimeric perfluoroalkyl iridium complexes: [Cp*Ir(X)(RF)] ₂ (X = I, RF = CF ₃ , CF ₂ CF ₃ , CF ₂ CF ₂ CF ₃ , CF(CF ₃) ₂ , CF(CF ₃)(CF ₂ CF ₃); X = Cl and Br, RF = CF ₂ CF ₃), 1,2 and a new perfluoroethylidene complex Cp*Ir(PPPh)(CF ₂ CF ₃). <i>Inorganica Chimica Acta</i> , 2010, 364, 96-101.		5
178	Syntheses, solution behavior, and computational bond length analyses of trifluoromethyl and perfluoroethyl cuprate salts. <i>Journal of Fluorine Chemistry</i> , 2020, 234, 109518.	0.9	5
179	Transannular ring-closure reactions of octafluorocyclooctatetraene coordinated to cobalt and rhodium centers. Ligand-induced formation of .eta. ² -octafluorocycloocta-2,5,7-triene-1,4-diyl and .eta. ² -octafluorobicyclo[3.3.0]octa-2,7-diene-4,6-diyl complexes of cobalt(III) and rhodium(III). <i>Organometallics</i> , 1988, 7, 1625-1631.	1.1	4
180	Conformationally rigid .eta. ³ -cyclopropenyl complexes of ruthenium(IV). Crystal and molecular structure of [Ru(.eta. ⁵ -C ₅ H ₅)(.eta. ³ -C ₃ Ph ₃)Br ₂]. <i>Organometallics</i> , 1988, 7, 2413-2415.	1.1	3

#	ARTICLE	IF	CITATIONS
181	New and Revisited Transition Metal Chemistry of Fluoro-olefins and Fluorodienes. ACS Symposium Series, 1994, , 252-264.	0.5	3
182	Synthesis, Structure, Dynamics, and Enantioface-Selective η^3 -Benzyl Coordination in the Chiral Rhodium Complexes Rh(diphos*)(η^3 -CH ₂ Ph). Organometallics, 2020, 39, 3802-3816.	1.1	3
183	Inversion of Configuration at the Phosphorus Nucleophile in the Diastereoselective and Enantioselective Synthesis of P α Stereogenic syn α Phosphiranes from Chiral Epoxides. Angewandte Chemie, 2018, 130, 5141-5145.	1.6	2
184	P-Alkynyl functionalized benzazaphospholes as transmetalating agents. Dalton Transactions, 2021, 50, 599-611.	1.6	2
185	Comparing Properties of Common Bioinorganic Ligands with Switchable Variants of Cytochrome c. Inorganic Chemistry, 2021, , .	1.9	2
186	Competing (4+2) and (2+2) cycloaddition reactions of tetrafluorothiophene-S,S-dioxide with phenylacetylene: A computational study. Journal of Fluorine Chemistry, 2019, 221, 42-47.	0.9	1
187	Configurational Lability at Tetrahedral Phosphorus: syn/anti α Isomerization of a P α Stereogenic Phosphiranium Cation by Intramolecular Epimerization at Phosphorus. Angewandte Chemie - International Edition, 2021, , .	7.2	1
188	Transition metal chemistry of octafluorocyclooctatetraene. Journal of Fluorine Chemistry, 1982, 21, 20.	0.9	0
189	X-ray structures and electronic properties of the 1,1 α 2,2 α - and 1,1 α 2,3 α -tetra-t-butylferrocenium(1+) cations. Polyhedron, 2017, 121, 88-94.	1.0	0
190	Metal-carbon bonding in perfluoroethylene and perfluorobenzene transition metal complexes. Some underappreciated σ - and π -acceptor components. , 2021, , 343-364.		0
191	Configurational Lability at Tetrahedral Phosphorus: syn/anti α Isomerization of a P α Stereogenic Phosphiranium Cation by Intramolecular Epimerization at Phosphorus. Angewandte Chemie, 0, , .	1.6	0