

Miguel A Esteruelas

List of Publications by Year in descending order

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423
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423
docs citations

423
times ranked

5319
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal liquid crystals: advanced materials within the reach of the coordination chemist. <i>Coordination Chemistry Reviews</i> , 1992, 117, 215-274.	18.8	460
2	Dihydrogen Complexes as Homogeneous Reduction Catalysts. <i>Chemical Reviews</i> , 1998, 98, 577-588.	47.7	230
3	Five- and six-coordinate hydrido(carbonyl)-ruthenium(II) and -osmium(II) complexes containing triisopropylphosphine as ligand. <i>Journal of Organometallic Chemistry</i> , 1986, 303, 221-231.	1.8	200
4	Insertion reactions of the 16-electron complexes $MHCl(CO)[P(CHMe_2)_3]_2$ ($M = Ru, Os$) with alkynes. The x-ray crystal structure of $[(E)-PhCH:CHO_s(Cl)(CO)[P(CHMe_2)_3]_2]$. <i>Organometallics</i> , 1986, 5, 2295-2299.	2.3	182
5	Preparation, Structure, and Ethylene Polymerization Behavior of Bis(imino)pyridyl Chromium(III) Complexes. <i>Organometallics</i> , 2003, 22, 395-406.	2.3	178
6	Homogeneous Hydrogenation. <i>Catalysis By Metal Complexes</i> , 1994, , .	0.6	176
7	Synthesis, reactivity, molecular structure, and catalytic activity of the novel dichlorodihydroosmium(IV) complexes $OsH_2Cl_2(PR_3)_2$ ($PR_3 = P-i-Pr_3, PMe-t-Bu_2$). <i>Inorganic Chemistry</i> , 1991, 30, 288-293.	4.0	175
8	Selective hydrogenation of 1-alkynes to alkenes catalyzed by an iron(II) cis-hydride η^2 -dihydrogen complex. A case of intramolecular reaction between η^2 -H ₂ and σ -vinyl ligands. <i>Organometallics</i> , 1992, 11, 138-145.	2.3	153
9	Osmium Catalyst for the Borrowing Hydrogen Methodology: α -Alkylation of Arylacetonitriles and Methyl Ketones. <i>ACS Catalysis</i> , 2013, 3, 2072-2075.	11.2	142
10	Osmium π -carbon double bonds: Formation and reactions. <i>Coordination Chemistry Reviews</i> , 2007, 251, 795-840.	18.8	138
11	Kinetic and mechanistic investigation of the sequential hydrogenation of phenylacetylene catalyzed by $OsHCl(CO)(PR_3)_2$ [$PR_3 = PMe-tert-Bu_2$ and $P-i-Pr_3$]. <i>Journal of the American Chemical Society</i> , 1989, 111, 7431-7437.	13.7	136
12	Five-Coordinate Complex $[RuHCl(CO)(PPr_3)_2]$ as a Precursor for the Preparation of New Cyclopentadienylruthenium Compounds Containing Unsaturated η^5 -Carbon Ligands. <i>Organometallics</i> , 1996, 15, 3423-3435.	2.3	136
13	N-Heterocyclic Carbene π -Osmium Complexes for Olefin Metathesis Reactions. <i>Organometallics</i> , 2005, 24, 4343-4346.	2.3	135
14	Direct Access to POP-Type Osmium(II) and Osmium(IV) Complexes: Osmium a Promising Alternative to Ruthenium for the Synthesis of Imines from Alcohols and Amines. <i>Organometallics</i> , 2011, 30, 2468-2471.	2.3	129
15	Addition of Carbon Nucleophiles to the Allenylidene Ligand of $[Ru(\eta^5-C_5H_5)(CCPh)_2(CO)(P-i-Pr_3)]BF_4$: Synthesis of New Organic Ligands by Formal $C-C$ Coupling between Mutually Inert Fragments. <i>Organometallics</i> , 1997, 16, 5826-5835.	2.3	123
16	$C-C$ Coupling and $C-H$ Bond Activation Reactions of Cyclopentadienyl π -Osmium Compounds: The Rich and Varied Chemistry of $Os(\eta^5-C_5H_5)Cl(P-i-Pr_3)_2$ and Its Major Derivatives. <i>Organometallics</i> , 2005, 24, 3584-3613.	2.3	117
17	Reactions of the Dihydrogen Complex $OsCl_2(\eta^2-H_2)(CO)(P-i-Pr_3)_2$ with Terminal Alkynes: Synthesis of Carbene, Vinylcarbene, and μ -Bis-carbene Osmium (II) Derivatives. <i>Journal of the American Chemical Society</i> , 1995, 117, 7935-7942.	13.7	114
18	Preparation and Characterization of an Isometallabenzene with the Structure of a 1,2,4-Cyclohexatriene. <i>Journal of the American Chemical Society</i> , 2004, 126, 1946-1947.	13.7	112

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19	Synthesis of new hydride-carbyne and hydride-vinylcarbyne complexes of osmium(II) by reaction of $\text{OsH}_2\text{Cl}_2(\text{P-iso-Pr}_3)_2$ with terminal alkynes. <i>Journal of the American Chemical Society</i> , 1993, 115, 4683-4689.	13.7	111
20	Stabilization of NH Tautomers of Quinolines by Osmium and Ruthenium. <i>Journal of the American Chemical Society</i> , 2006, 128, 13044-13045.	13.7	107
21	Homogeneous catalysis by osmium complexes. A review. <i>Journal of Molecular Catalysis A</i> , 1995, 96, 231-243.	4.8	103
22	Polyhydrides of Platinum Group Metals: Nonclassical Interactions and σ -Bond Activation Reactions. <i>Chemical Reviews</i> , 2016, 116, 8770-8847.	47.7	102
23	Reactions of a Hexahydride-Osmium Complex with Aldehydes: σ -C-H Activation/Decarbonylation and Single σ -C-H Activation/Hydroxylation Tandem Processes and Catalytic Tishchenko Reactions. <i>Organometallics</i> , 2004, 23, 1340-1348.	2.3	101
24	An Osmium-Carbene Complex with Fischer-Schrock Ambivalent Behavior. <i>Organometallics</i> , 2003, 22, 414-425.	2.3	99
25	Reactivity of $\text{OsH}_4(\text{CO})(\text{P}i\text{Pr}_3)_2$ toward terminal alkynes: synthesis and reactions of the alkynyl-dihydrogen complexes $\text{OsH}(\text{C}_2\text{R})(\eta^2\text{-H}_2)(\text{CO})(\text{P}i\text{Pr}_3)_2$ (R = Ph, SiMe ₃). <i>Organometallics</i> , 1993, 12, 663-670.	2.3	96
26	Aromatic Diosmatricyclic Nitrogen-Containing Compounds. <i>Journal of the American Chemical Society</i> , 2008, 130, 11612-11613.	13.7	96
27	Synthesis and Characterization of Hydride-Alkynyl, Allenylidene, Carbyne, and Functionalized-Alkynyl Complexes Containing the $[\text{Os}(\eta^5\text{-C}_5\text{H}_5)(\text{P}i\text{Pr}_3)_2]^+$ Fragment: The Complex $[\text{Os}(\eta^5\text{-C}_5\text{H}_5)(\text{CCCPh}_2)(\text{P}i\text{Pr}_3)_2]\text{PF}_6$, a New Type of Allenylidene Derivative from the Reactivity Point of View. <i>Organometallics</i> , 2000, 19, 2585-2596.	2.3	94
28	Meyer's Complex $\text{OsH}_2\text{Cl}_2(\text{P}i\text{Pr}_3)_2$ as a Precursor for the Preparation of New Cyclopentadienylosmium Compounds. <i>Organometallics</i> , 1997, 16, 4657-4667.	2.3	91
29	Exclusive formation of <i>cis</i> -PhCH:CH(SiEt ₃) by addition of triethylsilane to phenylacetylene catalyzed by ruthenium complex $[(\text{Me}_2\text{CH})_3\text{P}]_2\text{RuHCl}(\text{CO})$. <i>Organometallics</i> , 1993, 12, 2377-2379.	2.3	89
30	Preparation, X-ray Structure, and Reactivity of an Osmium-Hydroxo Complex Stabilized by an N-Heterocyclic Carbene Ligand: A Base-Free Catalytic Precursor for Hydrogen Transfer from 2-Propanol to Aldehydes. <i>Organometallics</i> , 2008, 27, 3240-3247.	2.3	89
31	A deceptively simple case of selective hydrogenation of phenylacetylene to styrene catalyzed by a <i>cis</i> -hydrido(η^2 -dihydrogen)ruthenium(II) complex. <i>Organometallics</i> , 1992, 11, 3837-3844.	2.3	88
32	Reactions of a Hexahydride-Osmium Complex with Aromatic Ketones: σ -C-H Activation versus σ -F Activation. <i>Organometallics</i> , 2001, 20, 442-452.	2.3	88
33	Assembly of an Allenylidene Ligand, a Terminal Alkyne, and an Acetonitrile Molecule: Formation of Osmacyclopentapyrrole Derivatives. <i>Journal of the American Chemical Society</i> , 2006, 128, 3965-3973.	13.7	87
34	Ruthenium-Catalyzed (2 + 2) Intramolecular Cycloaddition of Allenenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 7660-7663.	13.7	87
35	Berichte, 1987, 120, 11-15.	0.2	86
36	Hydrosilylation of phenylacetylene via an $\text{Os}(\text{SiEt}_3)(\eta^2\text{-H}_2)$ intermediate catalyzed by $\text{OsHCl}(\text{CO})(\text{P}i\text{Pr-iso}_3)_2$. <i>Organometallics</i> , 1991, 10, 462-466.	2.3	86

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37	Influence of the Anion of the Salt Used on the Coordination Mode of an N-Heterocyclic Carbene Ligand to Osmium. <i>Organometallics</i> , 2007, 26, 6556-6563.	2.3	85
38	Osmium-Catalyzed <i>endo</i> Heterocyclization of Aromatic Alkynols into Benzoxepines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4278-4281.	13.8	85
39	Dehalogenation and Hydrogenation of Aromatic Compounds Catalyzed by Nanoparticles Generated from Rhodium Bis(imino)pyridine Complexes. <i>Organometallics</i> , 2010, 29, 4375-4383.	2.3	84
40	C(sp ²)-H Activation of RCHE-py (E = CH, N) and RCHCHC(O)R Substrates Promoted by a Highly Unsaturated Osmium Monohydride Complex. <i>Organometallics</i> , 2005, 24, 1428-1438.	2.3	83
41	Synthesis and Reactivity of the Unusual Five-Coordinate Hydrido-Hydroxo Complex OsH(OH)(CO)(PiPr ₃) ₂ . <i>Organometallics</i> , 1997, 16, 3828-3836.	2.3	81
42	Synthesis and Characterization of OsX{NHC(Ph)C ₆ H ₄ }H ₂ (PiPr ₃) ₂ (X = H, Cl, Br, I): Nature of the H ₂ Unit and Its Behavior in Solution. <i>Organometallics</i> , 1998, 17, 4065-4076.	2.3	81
43	POP-Pincer Silyl Complexes of Group 9: Rhodium versus Iridium. <i>Inorganic Chemistry</i> , 2013, 52, 12108-12119.	4.0	80
44	Reduction and C(sp ²)-H Bond Activation of Ketones Promoted by a Cyclopentadienyl-Osmium-Dihydride-Dihydrogen Complex. <i>Organometallics</i> , 2005, 24, 5989-6000.	2.3	79
45	Coordination of H ₂ and O ₂ to [OsHCl(CO)(PiPr ₃) ₂]: A Catalytically Active M(η ² -H ₂) Complex. <i>Angewandte Chemie International Edition in English</i> , 1988, 27, 1563-1564.	4.4	78
46	Activation of C(sp ²)-H and Reduction of CE (E = CH, N) Bonds with an Osmium-Hexahydride Complex: Influence of E on the Behavior of RCHE-py Substrates. <i>Organometallics</i> , 2004, 23, 3627-3639.	2.3	76
47	Hydride-Alkenylcarbyne to Alkenylcarbene Transformation in Bisphosphine-Osmium Complexes. <i>Journal of the American Chemical Society</i> , 2005, 127, 11184-11195.	13.7	76
48	Abnormal and Normal N-Heterocyclic Carbene Osmium Polyhydride Complexes Obtained by Direct Metalation of Imidazolium Salts. <i>Organometallics</i> , 2008, 27, 445-450.	2.3	76
49	CCC-Pincer-NHC Osmium Complexes: New Types of Blue-Green Emissive Neutral Compounds for Organic Light-Emitting Devices (OLEDs). <i>Organometallics</i> , 2014, 33, 5582-5596.	2.3	76
50	Understanding the Formation of N-H Tautomers from <i>trans</i> -Substituted Pyridines: Tautomerization of 2-Ethylpyridine Promoted by Osmium. <i>Journal of the American Chemical Society</i> , 2007, 129, 10998-10999.	13.7	75
51	Reactions of New Osmium-Dihydride Complexes with Terminal Alkynes: Metallacyclopropene versus Metal-Carbyne. Influence of the Alkyne Substituent. <i>Organometallics</i> , 1999, 18, 4949-4959.	2.3	74
52	The chemical and catalytic reactions of hydrido-chloro-carbonylbis (triisopropylphosphine)osmium(II) and its major derivatives. <i>Advances in Organometallic Chemistry</i> , 2001, 47, 1-59.	1.0	74
53	Synthesis, molecular structure, and reactivity of octahedral alkylhydridoosmium(II) complexes [OsH(R)(CO) ₂ (PR' ₃) ₂]. <i>Organometallics</i> , 1992, 11, 2034-2043.	2.3	73
54	New Cyclopentadienyl osmium Compounds Containing Unsaturated Carbon Donor Coligands: Synthesis, Structure, and Reactivity of Os(η ⁵ -C ₅ H ₅)Cl(CCCPh ₂)(PiPr ₃). <i>Organometallics</i> , 1998, 17, 3479-3486.	2.3	73

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55	The Five-Coordinate Hydrido η^2 -Dihydrogen Complex $[\text{OsH}(\eta^2\text{-H}_2)(\text{CO})(\text{PiPr}_3)_2]\text{BF}_4$ Acting as a Template for the Carbon \rightarrow Carbon Coupling between Methyl Propiolate and 1,1-Diphenyl-2-propyn-1-ol. <i>Organometallics</i> , 1998, 17, 373-381.	2.3	73
56	Reactions of $\text{Os}(\eta^5\text{-C}_5\text{H}_5)\text{Cl}(\text{PiPr}_3)_2$ with NHCPH_2 and PPh_3 : ∞ The Unit $\text{Os}(\eta^5\text{-C}_5\text{H}_5)(\text{PiPr}_3)$ as Support for the Study of the Competitive Alkane \rightarrow Arene Intramolecular C \rightarrow H Activation. <i>Organometallics</i> , 2000, 19, 275-284.	2.3	73
57	Triple C \rightarrow H Activation of a Cycloalkyl Ketone Using an Osmium η^6 -Hexahydride Complex. <i>Organometallics</i> , 2001, 20, 2635-2638.	2.3	73
58	$\text{MHCl}(\text{CO})(\text{PiPr}_3)_2$ (M = Ru, Os) complexes as catalyst precursors for the reduction of unsaturated substrates. <i>Journal of Molecular Catalysis</i> , 1988, 45, 1-5.	1.2	72
59	Reactions of $\text{RuHCl}(\text{CO})(\text{PiPr}_3)_2$ with Alkyn-1-ols: Synthesis of Ruthenium(II) Hydroxyvinyl and Vinylcarbene Complexes. <i>Organometallics</i> , 1994, 13, 4258-4265.	2.3	72
60	Influence of the Group 14 Element on the Deprotonation of $\text{OsH}(\eta^5\text{-C}_5\text{H}_5)(\text{C}_6\text{H}_5)(\text{EPH}_3)(\text{PiPr}_3)$ (E = Si, Ge): ∞ Two Different Organometallic Chemistries. <i>Organometallics</i> , 2001, 20, 4875-4886.	2.3	72
61	Alkyne-Coupling Reactions Catalyzed by $\text{OsHCl}(\text{CO})(\text{PiPr}_3)_2$ in the Presence of Diethylamine. <i>Organometallics</i> , 2001, 20, 3202-3205.	2.3	71
62	Reactions of Elongated Dihydrogen-Osmium Complexes Containing Orthometalated Ketones with Alkynes: ∞ Hydride-Vinylidene \rightarrow Alkyne versus Hydride-Osmacyclopropene. <i>Organometallics</i> , 2003, 22, 2472-2485.	2.3	71
63	C \rightarrow H Bond Activation and Subsequent C \rightarrow C Bond Formation Promoted by Osmium: ∞ 2-Vinylpyridine \rightarrow Acetylene Couplings. <i>Journal of the American Chemical Society</i> , 2006, 128, 4596-4597.	13.7	71
64	Osmium and Ruthenium Complexes Containing an N-Heterocyclic Carbene Ligand Derived from Benzo[h]quinoline. <i>Organometallics</i> , 2007, 26, 5239-5245.	2.3	71
65	C \rightarrow (sp 2) \rightarrow H Bond Activation of η^2 -Unsaturated Ketones Promoted by a Hydride-Elongated Dihydrogen Complex: Formation of Osmafuran Derivatives with Carbene, Carbyne, and NH-Tautomerized η^5 -Substituted Pyridine Ligands. <i>Organometallics</i> , 2008, 27, 4680-4690.	2.3	70
66	Reactions of $\text{OsHCl}(\text{CO})(\text{PiPr}_3)_2$ with Alkyn-1-ols: Synthesis of (Vinylcarbene)osmium(II) Complexes. <i>Organometallics</i> , 1994, 13, 1662-1668.	2.3	69
67	Carbon \rightarrow Carbon Coupling and Carbon \rightarrow Hydrogen Activation Reactions in Bis(triisopropylphosphine)osmium Complexes ∞ . <i>Journal of the American Chemical Society</i> , 1996, 118, 89-99.	13.7	68
68	Synthesis, Spectroscopic Characterization, and Reactivity of the Unusual Five-Coordinate Hydrido η^5 -Vinylidene Complex $\text{OsHCl}(\text{CCHPh})(\text{PiPr}_3)_2$: ∞ Precursor for Dioxygen Activation. <i>Organometallics</i> , 1997, 16, 636-645.	2.3	68
69	1,2,3-Diheterocyclization Reactions on the Allenylidene Ligand of a Ruthenium Complex. <i>Organometallics</i> , 1998, 17, 3567-3573.	2.3	68
70	Hydride \rightarrow Hydroxyosmacyclopropene versus Hydride \rightarrow Hydroxycarbyne and Cyclic Hydroxycarbene: ∞ Influence of the Substituents at the C(OH) Carbon Atom of the Carbon Donor Ligand. <i>Organometallics</i> , 2000, 19, 2184-2193.	2.3	68
71	Reaction of $\text{OsHCl}(\text{CO})(\text{PiPr}_3)_2$ with Cyclohexylacetylene: Formation of a Hydrido-Vinylidene Complex via a 1,3-Hydrogen Shift. <i>Organometallics</i> , 1995, 14, 3596-3599.	2.3	65
72	Synthesis and characterisation of [6]-azaosmahelicenes: the first d 4 -heterometallahelicenes. <i>Chemical Communications</i> , 2012, 48, 5328.	4.1	65

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73	The Dihydrido π -Osmium(IV) Complex $[\text{OsH}_2(\pi\text{-O}_2\text{CCH}_3)(\text{H}_2\text{O})(\text{P}i\text{Pr}_3)_2]\text{BF}_4$ as a Precursor for Carbon π -Carbon Coupling Reactions. <i>Organometallics</i> , 2000, 19, 5098-5106.	2.3	63
74	π -2- and π -3-Azaosmetine Complexes as Intermediates in the Stoichiometric Imination of Phenylacetylene with Oximes. <i>Organometallics</i> , 2001, 20, 2294-2302.	2.3	63
75	Quantum Mechanical Exchange Coupling in Trihydridoosmium Complexes Containing Azole Ligands. <i>Inorganic Chemistry</i> , 1996, 35, 7811-7817.	4.0	62
76	Regioselective Addition of $\text{P}R\text{Ph}_2$ to the $\text{C}\equiv$ Atom of the Diphenylallenylidene Ligand of $[\text{Ru}(\eta\text{-5-C}_5\text{H}_5)(\text{CCCP}h_2)(\text{CO})(\text{P}i\text{Pr}_3)]\text{BF}_4$. <i>Organometallics</i> , 1998, 17, 5434-5436.	2.3	62
77	Indirect cooperative effects leading to synergism in bimetallic homogeneous catalysts containing azolates as bridging ligands. <i>Organometallics</i> , 1991, 10, 127-133.	2.3	61
78	POP-Pincer Osmium-Polyhydrides: Head-to-Head (Z)-Dimerization of Terminal Alkynes. <i>Inorganic Chemistry</i> , 2013, 52, 6199-6213.	4.0	61
79	Ammonia-Borane Dehydrogenation Promoted by an Osmium Dihydrido Complex: Kinetics and Mechanism. <i>ACS Catalysis</i> , 2015, 5, 187-191.	11.2	61
80	Addition of Secondary and Primary Amines to the Allenylidene Ligand of $[\text{Ru}(\eta\text{-5-C}_5\text{H}_5)(\text{CCCP}h_2)(\text{CO})(\text{P}i\text{Pr}_3)]\text{BF}_4$: Synthesis of Azoniabutadienyl, Aminoallenyl, and Azabutadienyl Derivatives of Ruthenium(II). <i>Organometallics</i> , 1999, 18, 4995-5003.	2.3	60
81	Synthesis of Hydrido π -Vinylidene and Hydrido π -Carbyne Osmium Complexes Containing Pyrazole: New Examples of $\text{N}\cdots\text{H}\cdots\text{Y}$ ($\text{Y} = \text{N}, \text{F}, \text{Cl}$) Hydrogen Bonds. <i>Organometallics</i> , 1999, 18, 2953-2960.	2.3	60
82	Osmium NHC Complexes from Alcohol-Functionalized Imidazoles and Imidazolium Salts. <i>Organometallics</i> , 2011, 30, 1658-1667.	2.3	60
83	Seven-Coordinate Dihydrido Complex $\text{OsH}_2(\pi\text{-O}_2\text{CCH}_3)\{\eta\text{-1-OC(O)CH}_3\}(\text{P}i\text{Pr}_3)_2$ as Precursor of New Organometallic Compounds Containing Unsaturated $\eta\text{-1-Carbon}$ Ligands. <i>Organometallics</i> , 1998, 17, 4500-4509.	2.3	59
84	Redox Isomerization of Allylic Alcohols Catalyzed by Osmium and Ruthenium Complexes Containing a Cyclopentadienyl Ligand with a Pendant Amine or Phosphoramidite Group: X-ray Structure of an $\eta\text{-3-1-Hydroxyallyl-Metal-Hydride}$ Intermediate. <i>Organometallics</i> , 2010, 29, 2166-2175.	2.3	59
85	POP π -Rhodium-Promoted $\text{C}\equiv\text{H}$ and $\text{B}\equiv\text{H}$ Bond Activation and $\text{C}\equiv\text{B}$ Bond Formation. <i>Organometallics</i> , 2015, 34, 1911-1924.	2.3	59
86	Insertion reaction of acetone- d_6 into the osmium-hydrogen bond of $[\text{OsHCl}(\text{CO})(\text{P-iso-Pr}_3)_2]$: experimental evidence for the hydrogen-transfer mechanism from alcohols to ketones. <i>Inorganic Chemistry</i> , 1991, 30, 1159-1160.	4.0	58
87	Preparation, X-ray Structure, and Reactivity of an Olefin-Carbene-Osmium Complex: $\eta\text{-1-Alkenylphosphine}$ to $\eta\text{-1-Allylphosphine}$ Transformation via an Osmaphosphabicyclopentane Intermediate. <i>Organometallics</i> , 2004, 23, 4858-4870.	2.3	58
88	Reactions of a Dihydrogen Complex with Terminal Alkynes: Formation of Osmium π -Carbyne and π -Carbene Derivatives with the Hydridotris(pyrazolyl)borate Ligand. <i>Organometallics</i> , 2008, 27, 3547-3555.	2.3	58
89	POP π -Pincer Ruthenium Complexes: d^{6} Counterparts of Osmium d^{4} Species. <i>Inorganic Chemistry</i> , 2014, 53, 1195-1209.	4.0	58
90	Bis-alkynyl- and hydrido-alkynyl-osmium(II) and ruthenium(II) complexes containing triisopropylphosphine as ligand. <i>Journal of Organometallic Chemistry</i> , 1989, 366, 187-196.	1.8	57

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91	Hydrogenation of benzylideneacetone catalyzed by OsHCl(CO)(PR ₃) ₂ (PR ₃ = P-iso-Pr ₃ , PMe-tert-Bu ₂): new roles of dihydrogen complexes in homogeneous catalytic hydrogenation. <i>Organometallics</i> , 1992, 11, 3362-3369.	2.3	57
92	Hydride Exchange Processes in the Coordination Sphere of Transition Metal Complexes: The OsH ₃ (BH ₄)(PR ₃) ₂ System. <i>Journal of the American Chemical Society</i> , 1996, 118, 8388-8394.	13.7	57
93	A Four-Electron η^5 -Alkyne Complex as Precursor for Allenylidene Derivatives: Preparation, Structure, and Reactivity of [Os(η^5 -C ₅ H ₅)(CCCPh ₂)L(PiPr ₃)]PF ₆ (L = CO, PPh ₂). <i>Organometallics</i> , 2004, 23, 5787-5798.	2.3	57
94	Conclusive Evidence on the Mechanism of the Rhodium-Mediated Decyanative Borylation. <i>Journal of the American Chemical Society</i> , 2015, 137, 12321-12329.	13.7	57
95	Addition of CH ₃ CO ₂ H and HBF ₄ to Alkynyl Complexes of Ruthenium(II) and Osmium(II). <i>Organometallics</i> , 1994, 13, 1669-1678.	2.3	56
96	New Cyclopentadienyl-osmium Derivatives Prepared from the Five-Coordinate Complex [OsHCl(CO)(PPri ₃) ₂]. <i>Organometallics</i> , 1996, 15, 878-881.	2.3	56
97	Dynamic Behavior in Solution of the <i>trans</i> - η^2 -Hydridodihydrogen Complex [OsHCl(η^2 -H ₂)(CO)(P <i>i</i> -Pr ₃) ₃]: Ab Initio and NMR Studies. <i>Chemistry - A European Journal</i> , 1996, 2, 815-825.	3.3	56
98	The Os(CO)(PiPr ₃) ₂ Unit as a Support for the Transformation of Two Alkyne Molecules into New Organometallic Ligands. <i>Organometallics</i> , 1997, 16, 3169-3177.	2.3	56
99	Reactivity of the Imine η^2 -Vinylidene Complexes OsCl ₂ (CCHPh)(NHCR ₂)(PiPr ₃) ₂ [CR ₂ = CMe ₂ , C(CH ₂) ₄ CH ₂]. <i>Organometallics</i> , 2001, 20, 1545-1554.	2.3	56
100	Reactions of an Osmium-Elongated Dihydrogen Complex with Terminal Alkynes: Formation of Novel Bifunctional Compounds with Amphoteric Nature. <i>Organometallics</i> , 2002, 21, 2491-2503.	2.3	56
101	Displacement of Phenyl and Styryl Ligands by Benzophenone Imine and 2-Vinylpyridine on Ruthenium and Osmium. <i>Organometallics</i> , 2006, 25, 3076-3083.	2.3	56
102	Selective Hydration of Nitriles to Amides Promoted by an Os η^5 -NHC Catalyst: Formation and X-ray Characterization of η^2 -Amidate Intermediates. <i>Organometallics</i> , 2012, 31, 6861-6867.	2.3	56
103	Tris(pyrazol-1-yl)methane-rhodium(I) and -iridium(I) complexes; crystal structure of [Rh(COD)(tpzm)][RhCl ₂ (COD)] \cdot 3CHCl ₃ . <i>Journal of Organometallic Chemistry</i> , 1988, 344, 93-108.	1.8	55
104	Carbon η^2 -Carbon Coupling of Two Alkenyl Fragments on a Saturated Compound. <i>Organometallics</i> , 1997, 16, 2919-2928.	2.3	55
105	Synthesis of Novel Organometallic Compounds Containing η^1 -Carbon Polycyclic Ligands: Condensation of Propargyl Alcohol with the Allenylidene Ligand of [Ru(η^5 -C ₅ H ₅)(CCCPh ₂)(CO)(PPri ₃)]BF ₄ . <i>Organometallics</i> , 2000, 19, 4-14.	2.3	55
106	Hydride-Carbyne to Carbene Transformation in an Osmium-Acetate-Bis(triisopropylphosphine) System: Influence of the Coordination Mode of the Carboxylate and the Reaction Solvent. <i>Organometallics</i> , 2007, 26, 2037-2041.	2.3	55
107	Xantphos-Type Complexes of Group 9: Rhodium versus Iridium. <i>Inorganic Chemistry</i> , 2013, 52, 5339-5349.	4.0	55
108	Synthesis and reactions of dihydrido(triethylsilyl)(1,5-cyclooctadiene)iridium(III) complexes: catalysts for dehydrogenative silylation of alkenes. <i>Organometallics</i> , 1986, 5, 1519-1520.	2.3	54

#	ARTICLE	IF	CITATIONS
109	Syntheses, Spectroscopic Characterizations, and X-ray Structures of New Os(η^2 -H ₂) Compounds Containing Azole Ligands. <i>Inorganic Chemistry</i> , 1994, 33, 787-792.	4.0	54
110	Formation of Imine-Vinylidene-Osmium(II) Derivatives by Hydrogen Transfer from Alkenyl Ligands to Azavinylidene Groups in Alkenyl-Azavinylidene-Osmium(IV) Complexes. <i>Organometallics</i> , 2000, 19, 5454-5463.	2.3	54
111	Two- and Four-Electron Alkyne Ligands in Osmium-Cyclopentadienyl Chemistry: Consequences of the π -M Interaction. <i>Organometallics</i> , 2002, 21, 305-314.	2.3	54
112	Preparation and Structure of Alkylidene-Osmium and Hydride-Alkylidene-Osmium Complexes Containing an N-Heterocyclic Carbene Ligand. <i>Organometallics</i> , 2007, 26, 2129-2132.	2.3	54
113	Aromatic Osmacyclopropenefuran Bicycles and Their Relevance for the Metal-Mediated Hydration of Functionalized Allenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13749-13753.	13.8	54
114	Catalytic transfer hydrogenation by cationic rhodium(I) complexes. <i>Journal of Organometallic Chemistry</i> , 1981, 214, 399-404.	1.8	53
115	Reactions of Osmium Hydride Complexes with Terminal Alkynes: Synthesis and Catalytic Activity of OsH(η^2 -O ₂ CCH ₃)(C:CHPh)(PiPr ₃) ₂ . <i>Organometallics</i> , 1994, 13, 1507-1509.	2.3	53
116	Ammonia Borane Dehydrogenation Promoted by a Pincer-Square-Planar Rhodium(I) Monohydride: A Stepwise Hydrogen Transfer from the Substrate to the Catalyst. <i>Inorganic Chemistry</i> , 2016, 55, 7176-7181.	4.0	53
117	The reduction of α,β -unsaturated ketones and cyclohexadienes catalyzed by $\text{M}(\text{CO})(\text{PiPr}_3)_2$ (M = Ru, Rh). <i>Journal of Organometallic Chemistry</i> , 1981, 214, 399-404.	1.2	52
118	Oxidative Addition of Group 14 Element Hydrido Compounds to OsH ₂ (η^2 -CH ₂ CH ₂ Et)(CO)(PiPr ₃) ₂ : Synthesis and Characterization of the First Trihydrido-Silyl, Trihydrido-Germyl, and Trihydrido-Stannyl Derivatives of Osmium(IV). <i>Inorganic Chemistry</i> , 1996, 35, 1250-1256.	4.0	52
119	Ortho-CH Activation of Aromatic Ketones, Partially Fluorinated Aromatic Ketones, and Aromatic Imines by a Trihydride-Stannyl-Osmium(IV) Complex. <i>Organometallics</i> , 2003, 22, 3753-3765.	2.3	52
120	OsHCl(CO)(PiPr ₃) ₂ as catalyst for ring-opening metathesis polymerization (ROMP) and tandem ROMP-hydrogenation of norbornene and 2,5-norbornadiene. <i>Journal of Catalysis</i> , 2004, 223, 319-327.	6.2	52
121	C-H Bond Activation of Terminal Allenes: Formation of Hydride-Alkenylcarbyne-Osmium and Disubstituted Vinylidene-Ruthenium Derivatives. <i>Organometallics</i> , 2010, 29, 4966-4974.	2.3	52
122	Coordination and Rupture of Methyl C(sp ³)-H Bonds in Osmium-Polyhydride Complexes with π Agostic Interaction. <i>Organometallics</i> , 2007, 26, 5140-5152.	2.3	51
123	Sequential and Selective Hydrogenation of the C=C and C=C Double Bonds of an Allenylidene Ligand Coordinated to Osmium: A New Reaction Pattern between an Allenylidene Complex and Alcohols. <i>Journal of the American Chemical Society</i> , 2007, 129, 8850-8859.	13.7	51
124	Cleavage of Both C(sp ³)-C(sp ²) Bonds of Alkylidenecyclopropanes: Formation of Ethylene-Osmium-Vinylidene Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 454-455.	13.7	51
125	Dihydrido and Trihydrido Diolefin Complexes Stabilized by the Os(PiPr ₃) ₂ Unit: A New Example of Quantum Mechanical Exchange Coupling in Trihydrido Osmium Compounds. <i>Journal of the American Chemical Society</i> , 1997, 119, 9691-9698.	13.7	50
126	Oxidative Addition of HX (X = H, SiR ₃ , GeR ₃ , SnR ₃ , Cl) Molecules to the Complex Os(η^5 -C ₅ H ₅)Cl(PiPr ₃) ₂ . <i>Organometallics</i> , 1999, 18, 5034-5043.	2.3	50

#	ARTICLE	IF	CITATIONS
127	The Allenylidene Complex [Ru(η -5-C ₅ H ₅)(CCCPPh ₂)(CO)(PiPr ₃)]BF ₄ as a Precursor of Novel Pyrido[1,2-a]pyrimidinyl and 1,3-Thiazinyl Complexes. <i>Organometallics</i> , 2000, 19, 4327-4335.	2.3	50
128	Dehalogenation of Hexachlorocyclohexanes and Simultaneous Chlorination of Triethylsilane Catalyzed by Rhodium and Ruthenium Complexes. <i>Organometallics</i> , 2004, 23, 3891-3897.	2.3	50
129	New Titanium Complexes Containing a Cyclopentadienyl Ligand with a Pendant Aminoalkyl Substituent: Preparation, Behavior of the Amino Group, and Catalytic Hydroamination of Alkynes. <i>Organometallics</i> , 2005, 24, 5084-5094.	2.3	50
130	NH-Tautomerization of Quinolines and 2-Methylpyridine Promoted by a Hydride-Iridium(III) Complex: Importance of the Hydride Ligand. <i>Organometallics</i> , 2009, 28, 2276-2284.	2.3	50
131	An Acyl-NHC Osmium Cooperative System: Coordination of Small Molecules and Heterolytic C-H and O-H Bond Activation. <i>Organometallics</i> , 2015, 34, 3902-3908.	2.3	50
132	Mechanism of the hydrogenation of phenylacetylene catalyzed by [Ir(COD)(η -2-iso-Pr ₂ PCH ₂ CH ₂ OMe)]BF ₄ . <i>Organometallics</i> , 1993, 12, 1823-1830.	2.3	48
133	Iridium and rhodium complexes with tetrafluorobenzobarrelene diolefins. <i>Coordination Chemistry Reviews</i> , 1999, 193-195, 557-618.	18.8	48
134	Dehalogenation of Polychloroarenes with HSiEt ₃ Catalyzed by an Homogeneous Rhodium-Triphenylphosphine System. <i>Organometallics</i> , 1999, 18, 1110-1112.	2.3	48
135	One-Pot Synthesis for Osmium(II) Azavinylidene-Carbyne and Azavinylidene-Alkenylcarbyne Complexes Starting from an Osmium(II) Hydride-Azavinylidene Compound. <i>Organometallics</i> , 2001, 20, 3283-3292.	2.3	48
136	Synthesis and Reactivity of Osmium Complexes Containing a Cyclopentadienyl Ligand with a Pendant Phosphine Donor Group. <i>Organometallics</i> , 2004, 23, 3021-3030.	2.3	48
137	C-H Activation of Aldehydes Promoted by an Osmium Complex. <i>Organometallics</i> , 2004, 23, 6015-6024.	2.3	48
138	Influence of the Cis Ligand on the H-H Separation and the Rotation Barrier of the Dihydrogen in Osmium-Elongated Dihydrogen Complexes Containing an Ortho-Metalated Ketone. <i>Organometallics</i> , 2004, 23, 3008-3015.	2.3	48
139	C-H Bond Activation Reactions in Ketones and Aldehydes Promoted by POP-Pincer Osmium and Ruthenium Complexes. <i>Organometallics</i> , 2015, 34, 4908-4921.	2.3	48
140	Synthesis and mesomorphism of stilbazole complexes of rhodium(I) and iridium(I). <i>Journal of Materials Chemistry</i> , 1991, 1, 251.	6.7	47
141	Reactivity of MH(η -2-H ₂ BH ₂)(CO)(PiPr ₃) ₂ (M = osmium, ruthenium) toward electrophiles: synthesis of new hydridocarbonylosmium(II) and -ruthenium(II) complexes containing triisopropylphosphine as ligand. <i>Inorganic Chemistry</i> , 1992, 31, 5580-5587.	4.0	47
142	From Tetrahydroborate to Aminoborylvinylidene-Osmium Complexes via Alkynyl-Aminoboryl Intermediates. <i>Journal of the American Chemical Society</i> , 2011, 133, 2250-2263.	18.7	47
143	Osmium Hydride Acetylacetonate Complexes and Their Application in Acceptorless Dehydrogenative Coupling of Alcohols and Amines and for the Dehydrogenation of Cyclic Amines. <i>Organometallics</i> , 2017, 36, 2996-3004.	2.3	47
144	Liquid-crystal behavior in ionic complexes of silver(I): molecular structure-mesogenic activity relationship. <i>Chemistry of Materials</i> , 1990, 2, 748-758.	6.7	46

#	ARTICLE	IF	CITATIONS
145	Preparation and Characterization of Osmium ^{IV} Stannyl Polyhydrides: Oxidative Addition of Neutral Molecules in a Late Transition Metal. <i>Organometallics</i> , 2003, 22, 2087-2096.	2.3	46
146	Osmium ^{IV} Allenylidene Complexes Containing an N-Heterocyclic Carbene Ligand. <i>Organometallics</i> , 2008, 27, 795-798.	2.3	46
147	Synthesis and reactions of new hydridosilyliridium(III) complexes containing the diolefin tetrafluorobenzobarrelene. <i>Organometallics</i> , 1993, 12, 3264-3272.	2.3	45
148	Preparation and Spectroscopic and Theoretical Characterization of the Tetrahydroborate Complex OsH ₃ (η ² -H ₂ BH ₂)(P-i-Pr ₃) ₂ . <i>Inorganic Chemistry</i> , 1994, 33, 3609-3611.	4.0	45
149	New Half-Sandwich Alkyl, Aryl, Aryloxy, and Propargyloxy Titanium(IV) Complexes Containing a Cyclopentadienyl Ligand with a Pendant Ether Substituent: Behavior and Influence in the Hydroamination of Alkynes of the Ether Group. <i>Organometallics</i> , 2006, 25, 1448-1460.	2.3	45
150	Preparation, properties, and reactivity of dihydridosilyl(η ⁴ -cycloocta-1,5-diene)iridium(III) complexes. X-ray crystal structures of the dihydrido silyl complex IrH ₂ (SiEt ₃)(η ⁴ -C ₈ H ₁₂)(AsPh ₃) and the cyclooctenyl derivative Ir(1-σ,4,5-η ² -C ₈ H ₁₃)(CO) ₂ (AsPh ₃). <i>Organometallics</i> , 1987, 6, 1751-1756.	2.3	44
151	Synthesis, Structure, and Bonding of the Unusual η ⁴ -f, f'-Allenylidene Complex [Rh ₂ (η ⁴ -OOCCH ₃)(η ⁴ -f, f'-CCPh ₂)(CO) ₂ (PCy ₃) ₂][BF ₄]. <i>Organometallics</i> , 1996, 15, 3556-3562.	2.3	44
152	Synthesis and Spectroscopic Characterization of New Hydrido and Dihydrogen Complexes of Osmium and Ruthenium Stabilized by the Tris(pyrazolyl)borate Ligand. <i>Organometallics</i> , 1997, 16, 4464-4468.	2.3	44
153	Cycloaddition between a Transition-Metal Phenylallenylidene Complex and Allyl Alcohol. <i>Organometallics</i> , 1998, 17, 2297-2306.	2.3	44
154	Synthesis and Characterization of Ruthenium ^{IV} Osmium Complexes Containing η ⁴ -Bisalkenyl, η ⁴ -Alkenylvinylidene, and η ⁴ -Alkenylcarbene Bridge Ligands. <i>Organometallics</i> , 1999, 18, 1798-1800.	2.3	44
155	Ene-Type Reactions between an η ² -Alkenylphosphine and Terminal Alkynes Promoted by Osmium-Cyclopentadienyl Fragments. <i>Organometallics</i> , 2005, 24, 2030-2038.	2.3	44
156	Preparation and X-ray Structures of Alkyl ^{IV} Titanium(IV) Complexes Stabilized by Indenyl Ligands with a Pendant Ether or Amine Substituent and Their Use in the Catalytic Hydroamination of Alkynes. <i>Organometallics</i> , 2007, 26, 554-565.	2.3	44
157	Osmium(III) Complexes with POP Pincer Ligands: Preparation from Commercially Available OsCl ₃ ·3H ₂ O and Their X-ray Structures. <i>Inorganic Chemistry</i> , 2010, 49, 8665-8667.	4.0	44
158	Hydrosilylation of phenylacetylene catalyzed by [Ir(COD)(η ² -i-Pr ₂ PCH ₂ CH ₂ OMe)][BF ₄]. <i>Journal of Organometallic Chemistry</i> , 1995, 487, 143-149.	1.8	43
159	Synthesis of Butadiene-Osmium(0) and -Ruthenium(0) Complexes by Reductive Carbon-Carbon Coupling of Two Alkenyl Fragments. <i>Organometallics</i> , 1995, 14, 4825-4831.	2.3	43
160	Synthesis, X-ray Structure, and Protonation of [Os(C ₂ Ph){NH:C(Ph)C ₆ H ₄ }(CO)(PPr ₃) ₂]. <i>Organometallics</i> , 1995, 14, 2496-2500.	2.3	43
161	Selective protonation of the styryl ligand of RuMe{(E)-CH:CHPh}(CO) ₂ (PiPr ₃) ₂ and migratory CO insertion in the methyl group of [RuMe(CO) ₂ (PiPr ₃) ₂][BF ₄]. <i>Organometallics</i> , 1995, 14, 4685-4696.	2.3	43
162	Reactions of the Square-Planar Compounds Ir(C ₂ Ph)L ₂ (PCy ₃) (L ₂ = 2 CO, TFB) with HSiR ₃ (R = Et, Ph) and Hx+1SiPh _{3-x} (x= 1, 2): Stoichiometric and Catalytic Formation of Si ^{IV} -C Bonds. <i>Organometallics</i> , 1996, 15, 814-822.	2.3	43

#	ARTICLE	IF	CITATIONS
163	Reactions of Ir(acac)(cyclooctene)(PCy ₃) with H ₂ , HC≡CR, HSiR ₃ , and HSnPh ₃ : The Acetylacetonato Ligand as a Stabilizer for Iridium(I), Iridium(III), and Iridium(V) Derivatives. <i>Organometallics</i> , 1996, 15, 823-834.	2.3	43
164	Reactivity of OsH ₂ Cl ₂ (PiPr ₃) ₂ toward Diolefins: New Reactions Involving C-H and C-C Activation and C-C and C-P Bond Formation Processes. <i>Organometallics</i> , 1997, 16, 1316-1325.	2.3	43
165	Synthesis and Spectroscopic and Theoretical Characterization of the Elongated Dihydrogen Complex OsCl ₂ (η ² -H ₂)(NHCPPh ₂)(PiPr ₃) ₂ . <i>Inorganic Chemistry</i> , 1998, 37, 5033-5035.	4.0	43
166	Generation of Functionally Substituted Cyclopentadienyl Ligands in Osmium(IV) Chemistry. <i>Organometallics</i> , 2001, 20, 240-253.	2.3	43
167	Formation of Cationic Half-Sandwich Osmium-Vinylidene Complexes from [Os(η ⁵ -C ₅ H ₅)(PiPr ₃) ₂] ⁺ and Terminal Alkynes. <i>Organometallics</i> , 2001, 20, 4291-4294.	2.3	42
168	C-N and C-C Coupling Reactions: Preparation of New N-Heterocyclic Ruthenium Derivatives. <i>Organometallics</i> , 2003, 22, 162-171.	2.3	42
169	Dehydrogenation of a Coordinated Alkylphosphine as a Method to Prepare Cyclopentadienyl-alkenylphosphine-osmium Complexes. <i>Organometallics</i> , 2004, 23, 1416-1423.	2.3	42
170	Preparation of [C,N,O]-Pincer Osmium Complexes by Alkylidene Metathesis with a Methyl Group of 2,6-Diacetylpyridine. <i>Organometallics</i> , 2007, 26, 3082-3084.	2.3	42
171	NH-Tautomerization of 2-Substituted Pyridines and Quinolines on Osmium and Ruthenium: Determining Factors and Mechanism. <i>Organometallics</i> , 2008, 27, 6236-6244.	2.3	42
172	Reactions of a Dihydride-Osmium(IV) Complex with Aldehydes: Influence of the Substituent at the Carbonyl Group. <i>Organometallics</i> , 2008, 27, 799-802.	2.3	42
173	Multiple C-H Bond Activation of Phenyl-Substituted Pyrimidines and Triazines Promoted by an Osmium Polyhydride: Formation of Osmapolycycles with Three, Five, and Eight Fused Rings. <i>Organometallics</i> , 2010, 29, 976-986.	2.3	42
174	Synthesis of mononuclear complexes of Ru and Os and heterobimetallic M ₂ (M = Ru or Os; M ₂ = Rh, Ir, Tl) ETQqO O O rgBT /Ove [(Ph ₃ P) ₂ (OC)HRu(μ-bim)Rh(cod)] (bim = dianion of 2,2'-bi-imidazole, cod = cyclo-octa-1,5-diene). <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 3465-3472.	1.1	41
175	Rectangular and hexagonal columnar mesophases in dinuclear rhodium(II) (alkyloxy)benzoate complexes. <i>Inorganic Chemistry</i> , 1992, 31, 732-737.	4.0	41
176	Five-Coordinate Complexes MHCl(CO)(PiPr ₃) ₂ (M = Os, Ru) as Precursors for the Preparation of New Hydrido- and Alkenyl-Metallothiol and Monothio-Diketonato Derivatives. <i>Organometallics</i> , 1997, 16, 5748-5755.	2.3	41
177	Allenylidene Ligand of [Ru(η ⁵ -C ₅ H ₅)(CCPh ₂)(CO)(PPri ₃)]BF ₄ as Entry to Novel Unsaturated η ¹ -Carbon Ligands Containing Azetidino and Hexahydroquinoline Skeletons. <i>Organometallics</i> , 1999, 18, 1606-1614.	2.3	41
178	C-C Coupling of the Alkynyl and Alkenyl Fragments of Os(C ₂ CO ₂ CH ₃){CHCHC(O)OCH ₃ }(CO)(PiPr ₃) ₂ by Action of HCl: The Vinylidene [Os{CHCHC(O)OCH ₃ }(CCHCO ₂ CH ₃)(CO)(PiPr ₃) ₂]BF ₄ as Intermediate. <i>Organometallics</i> , 1999, 18, 5176-5179.	2.3	41
179	Regioselective Addition of Dienes to the C=C Double Bond of the Allenylidene Ligand of [Ru(η ⁵ -C ₅ H ₅)(CCPh ₂)(CO)(PiPr ₃)]BF ₄ . <i>Organometallics</i> , 2002, 21, 1841-1848.	2.3	41
180	Hydrosilylation of alkenes by iridium complexes. <i>Journal of Molecular Catalysis</i> , 1986, 37, 151-156.	1.2	40

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#	ARTICLE	IF	CITATIONS
199	Synthesis and catalytic activity of heterodinuclear Ru-Ir and Ru-Rh complexes. Crystal structure of $[H(CO)(PPh_3)_2Ru(\frac{1}{4}-Cl)(\frac{1}{4}-pz)Ir(TFB)]$ (pz = pyrazolate, TFB = tetrafluorobenzobarrelene). <i>Journal of Organometallic Chemistry</i> , 1990, 388, 365-377.	1.8	35
200	Unusual Activation of 1,1-Diphenyl-2-propyn-1-ol Mediated by the Os($\frac{1}{5}$ -C5H5) Unit. <i>Organometallics</i> , 1998, 17, 3141-3142.	2.3	35
201	(NHC)Palladium Complexes from Hydroxy-Functionalized Imidazolium Salts as Catalyst for the Microwave-Accelerated Fluorine-Free Hiyama Reaction. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 7174-7181.	2.4	35
202	Preparation of Tris-Heteroleptic Iridium(III) Complexes Containing a Cyclometalated Aryl-N-Heterocyclic Carbene Ligand. <i>Inorganic Chemistry</i> , 2018, 57, 10744-10760.	4.0	35
203	Preparation of IrH(diene)L ₂ compounds via methoxyiridium complexes: Catalysts for hydrogen transfer reactions. <i>Journal of Organometallic Chemistry</i> , 1986, 316, 343-349.	1.8	34
204	Oxidative Addition of HSnR ₃ (R = Ph, Bu) to the Square-Planar Iridium(I) Compounds Ir(XR)(TFB)(PCy ₃) (XR = OMe, OEt, OCHMe ₂ , OPh, SPr) and Ir(C ₂ Ph)L ₂ (PCy ₃) (L ₂ = TFB, 2CO). <i>Organometallics</i> , 1995, 14, 3486-3496.	2.3	34
205	$[H(EtOH)_2][OsCl(\frac{1}{4}-COD)]_2(\frac{1}{4}-H)(\frac{1}{4}-Cl)_2$ as an Intermediate for the Preparation of $[OsCl_2(COD)]_x$ and Its Activity as an Ionic Hydrogenation and Etherification Catalyst. <i>Organometallics</i> , 2008, 27, 3029-3036.	2.3	34
206	N-H and N-C Bond Activation of Pyrimidinic Nucleobases and Nucleosides Promoted by an Osmium Polyhydride. <i>Inorganic Chemistry</i> , 2012, 51, 5975-5984.	4.0	34
207	Osmium(II)-Bis(dihydrogen) Complexes Containing $\langle i \rangle C \langle /i \rangle \langle sub \rangle aryl \langle /sub \rangle, \langle i \rangle C \langle /i \rangle \langle sub \rangle NHC \langle /sub \rangle$ Chelate Ligands: Preparation, Bonding Situation, and Acidity. <i>Organometallics</i> , 2015, 34, 778-789.	2.3	34
208	Square-Planar Alkylidyne-Osmium and Five-Coordinate Alkylidene-Osmium Complexes: Controlling the Transformation from Hydride-Alkylidyne to Alkylidene. <i>Journal of the American Chemical Society</i> , 2016, 138, 9720-9728.	13.7	34
209	Preparation of Phosphorescent Osmium(IV) Complexes with N,N-C- and C,N-C-Pincer Ligands. <i>Organometallics</i> , 2017, 36, 1848-1859.	2.3	34
210	Rhodium complexes containing 1-(4-pyridylmethylene)-4-alkoxyanilines as ligands: crystal structure of an unusual square-planar cluster of 64 electrons, Rh ₄ (OOCCH ₃) ₄ (CO) ₄ (NC ₅ H ₄ CH:NC ₆ H ₄ OC ₁₄ H ₂₉) ₄ . <i>Organometallics</i> , 1991, 10, 1794-1799.	2.3	33
211	Lewis Base-Assisted Hydride-Carbyne to Olefin Transformation versus Carbene Formation. <i>Organometallics</i> , 2002, 21, 5681-5684.	2.3	33
212	Preparation of Half-Sandwich Alkyl-Titanium(IV) Complexes Stabilized by a Cyclopentadienyl Ligand with a Pendant Phosphine Tether and Their Use in the Catalytic Hydroamination of Aliphatic and Aromatic Alkynes. <i>Organometallics</i> , 2006, 25, 4079-4089.	2.3	33
213	Olefin-Alkylidene Equilibrium of 2-Vinylpyridine in Osmium- and Ruthenium-Hydrido-Tris(pyrazolyl)borate and Osmium-Cyclopentadienyl Complexes. <i>Organometallics</i> , 2009, 28, 5941-5951.	2.3	33
214	Formation of Osmium- and Ruthenium-Cyclobutylidene Complexes by Ring Expansion of Alkylidenecyclopropanes. <i>Journal of the American Chemical Society</i> , 2009, 131, 15572-15573.	13.7	33
215	C-H Bond Activation Reactions in η^5 -Allene-Osmium-Triisopropylphosphine Complexes with Cyclopentadienyl or Hydridotris(pyrazolyl)borate Ligands: Formation of Isopropenyldiisopropylphosphine versus Hydride-Alkenylcarbyne Derivatives. <i>Organometallics</i> , 2010, 29, 4071-4079.	2.3	33
216	Selective C-Cl Bond Oxidative Addition of Chloroarenes to a POP-Rhodium Complex. <i>Organometallics</i> , 2017, 36, 114-128.	2.3	33

#	ARTICLE	IF	CITATIONS
217	Osmium Catalysts for Acceptorless and Base-Free Dehydrogenation of Alcohols and Amines: Unusual Coordination Modes of a BPI Anion. <i>Organometallics</i> , 2018, 37, 603-617.	2.3	33
218	Evidence for a Bis(Elongated β)-Dihydrideborate Coordinated to Osmium. <i>Inorganic Chemistry</i> , 2018, 57, 4482-4491.	4.0	33
219	Rhodium(I) complexes containing 4-pyridylmethylene-4-alkoxyanilines as ligands: Formation of rhodium containing liquid crystals by coordination of non-mesogenic organic ligands. <i>Journal of Organometallic Chemistry</i> , 1990, 387, 103-111.	1.8	32
220	Reaction of a Cationic Osmium(IV) Dihydride with Ethylene: Formation and Structure of the Novel Tetraethylene Dimer Complex $[(\text{PiPr}_3)(\text{I}-2\text{-C}_2\text{H}_4)_2\text{Os}]_2(\text{I}-\text{OH})_2(\text{I}-\text{O}_2\text{CCH}_3)_2\text{BF}_4$. <i>Organometallics</i> , 2000, 19, 3260-3262.	2.3	32
221	Aromatic C-H Bond Activation of 2-Methylpyridine Promoted by an Osmium(VI) Complex: Formation of an $\text{N}(\text{C})$ -Pyridyl Derivative. <i>Organometallics</i> , 2008, 27, 6188-6192.	2.3	32
222	Chelated Assisted Metal-Mediated N-H Bond Activation of β -Lactams: Preparation of Irida-, Rhoda-, Osma-, and Ruthenatrinems. <i>Organometallics</i> , 2014, 33, 1820-1833.	2.3	32
223	Synthesis of $\text{Rh}(\text{acac})\text{H}(\text{GeEt}_3)(\text{PCy}_3)$ and $\text{Rh}(\text{acac})\text{H}(\text{SnPh}_3)(\text{PCy}_3)$ and Their Reactions with Alkynes. <i>Organometallics</i> , 1996, 15, 3670-3678.	2.3	31
224	Synthesis and reactivity of $[\text{OsH}(\text{C}_6\text{H}_4(\text{CH}_2\text{CH}_2\text{H}))(\text{CO})(\text{PPri}_3)_2]$ and the formato compounds $[\text{Os}(\text{E}-\text{CH}_2\text{CHPh})(\text{I}-2\text{-O}_2\text{CH})(\text{CO})(\text{PPri}_3)_2]$ and $[\text{OsH}(\text{I}-2\text{-O}_2\text{CH})(\text{CO})(\text{PPri}_3)_2]^*$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 181-192.	1.1	31
225	Synthesis, Characterization, and Theoretical Study of Stable Hydride-Azavinylidene Osmium(IV) Complexes. <i>Organometallics</i> , 2000, 19, 3100-3108.	2.3	31
226	Dehalogenation of polychloroarenes with sodium formate in propan-2-ol catalyzed by $\text{RhCl}(\text{PPh}_3)_3$. <i>New Journal of Chemistry</i> , 2001, 25, 775-776.	2.8	31
227	Preparation, Spectroscopic Characterization, X-ray Structure, and Theoretical Investigation of Hydride, Dihydrogen, and Acetone-OsTp Complexes: A Hydridotris(pyrazolyl)borate-Cyclopentadienyl Comparison. <i>Organometallics</i> , 2007, 26, 4498-4509.	2.3	31
228	Preparation, Hydrogen Bonds, and Catalytic Activity in Metal-Promoted Addition of Arylboronic Acids to Enones of a Rhodium Complex Containing an NHC Ligand with an Alcohol Function. <i>Organometallics</i> , 2012, 31, 6154-6161.	2.3	31
229	Osmium(II) Complexes Containing a Dianionic CCCC-Donor Tetradentate Ligand. <i>Organometallics</i> , 2016, 35, 3981-3995.	2.3	31
230	Substitution and Oxidative Addition Reactions of the Monoolefin Complex $\text{Rh}(\text{acac})(\text{cyclooctene})(\text{PCy}_3)$ Including the X-ray Structure Analyses of $\text{Rh}(\text{acac})(\text{PCy}_3)_2$ and $[\text{Rh}(\text{acac})\{\text{E}-\text{CHCHCy}\}(\text{PCy}_3)_2]\text{BF}_4$. <i>Organometallics</i> , 1996, 15, 3436-3444.	2.3	30
231	Synthesis, X-ray structure, and polymerisation activity of a bis(oxazolinyl)pyridine chromium(III) complex. <i>New Journal of Chemistry</i> , 2002, 26, 1542-1544.	2.8	30
232	Preparation and Characterization of 4-Azoniahaptatrienyl, 4-Azaheptatrienyl, Ruthenapyrrolinone, and Pyrrolinyl Complexes of Ruthenium. <i>Organometallics</i> , 2003, 22, 5274-5284.	2.3	30
233	Reactions of an Osmium-Hexahydride Complex with Cytosine, Deoxycytidine, and Cytidine: The Importance of the Minor Tautomers. <i>Inorganic Chemistry</i> , 2012, 51, 9522-9528.	4.0	30
234	Osmium-Promoted Dehydrogenation of Amine-Boranes and B-H Bond Activation of the Resulting Amino-Boranes. <i>Organometallics</i> , 2014, 33, 1104-1107.	2.3	30

#	ARTICLE	IF	CITATIONS
235	2-Azetidinones as Precursors of Pincer Ligands: Preparation, Structure, and Spectroscopic Properties of CCâ€²N-Osmium Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 10998-11006.	4.0	30
236	Amide-Directed Formation of Five-Coordinate Osmium Alkylidenes from Alkynes. <i>Organometallics</i> , 2016, 35, 91-99.	2.3	30
237	Hydrogenation of benzylideneacetone catalyzed by chlorodihydrido-bis(diisopropylphosphine)iridium: kinetic evidence for the participation of an iridium-eta.2-dihydrogen complex in the activation of molecular hydrogen. <i>Inorganic Chemistry</i> , 1992, 31, 4013-4014.	4.0	29
238	Reactions of [RuH(Î·3Î—C3H5)(CO)(PiPr3)2] and [Ru(Î·2Î—C2Ph2)(CO)(PiPr3)2] with terminal alkynes: synthesis and characterization of new five- and six-coordinate bis(alkynyl) and alkynyl(vinyl) derivatives of ruthenium(II). <i>Journal of Organometallic Chemistry</i> , 1995, 498, 199-206.	1.8	29
239	Cationic Dihydride Boryl and Dihydride Silyl Osmium(IV) NHC Complexes: A Marked Diagonal Relationship. <i>Organometallics</i> , 2013, 32, 2744-2752.	2.3	29
240	Hydroboration and Hydrogenation of an Osmiumâ€“Carbon Triple Bond: Osmium Chemistry of a Bis-Î·f-Borane. <i>Organometallics</i> , 2015, 34, 547-550.	2.3	29
241	Azole Assisted Câ€“H Bond Activation Promoted by an Osmium-Polyhydride: Discerning between N and NH. <i>Organometallics</i> , 2015, 34, 1898-1910.	2.3	29
242	A Capped Octahedral MHC₆ Compound of a Platinum Group Metal. <i>Chemistry - A European Journal</i> , 2016, 22, 9106-9110.	3.3	29
243	<i>mer</i>, <i>fac</i>, and Bidentate Coordination of an Alkyl-POP Ligand in the Chemistry of Nonclassical Osmium Hydrides. <i>Inorganic Chemistry</i> , 2017, 56, 676-683.	4.0	29
244	Iridium liquid crystal complexes by co-ordination of non-mesogenic organic ligands. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 55.	2.0	28
245	Synthesis, molecular structure and reactivity of the octahedral iridium(III) compound [IrH(eta.1.,eta.3-C8H12)(dppm)] [dppm = bis(diphenylphosphino)methane]. <i>Organometallics</i> , 1992, 11, 3659-3664.	2.3	28
246	Synthesis and Characterization of the Allenylidene Compounds [Ir(diene)(CCCPH2)(PR3)]BF4(diene =) Tj ETQq0 0 0 rgBT /Overlock 10 T Mixed-Ligand Complexes of the Type [Ir(diene)L(PR3)]+Containing an Unsaturated Î·1-Carbon Ligand. <i>Organometallics</i> , 1997, 16, 796-799.	2.3	28
247	HÂ·Â·H Interaction in Four-Membered Pâ·HÂ·Â·Hâ·M (M = Osmium, Ruthenium) Rings. <i>Organometallics</i> , 1998, 17, 3346-3355.	2.3	28
248	Simultaneous Dehalogenation of Polychloroarenes and Chlorination of HSiEt3 Catalyzed by Complexes of the Groups 8 and 9. <i>Journal of Catalysis</i> , 2000, 195, 187-192.	6.2	28
249	Synthesis, Molecular Structure and Catalytic Activity of Six-Coordinate Chloro(hydrido)- and Dihydridoruthenium(II) and -osmium(II) Complexes with the Chiral Ligands PiPr2NH(Me)Ph, (S,S)-Chiraphos and (S,S)-Diop. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2477-2487.	2.0	28
250	A Useful Access to the Chemistry of the Indenyl-Osmium-Triisopropylphosphine Moiety. <i>Organometallics</i> , 2005, 24, 5780-5783.	2.3	28
251	Osmium-Acyl Decarbonylation Promoted by Tp-Mediated Allenylidene Abstraction: A New Role of the Tp Ligand. <i>Organometallics</i> , 2014, 33, 4057-4066.	2.3	28
252	Ruthenium-Catalyzed Oxidative Amidation of Alkynes to Amides. <i>Organic Letters</i> , 2019, 21, 5346-5350.	4.6	28

#	ARTICLE	IF	CITATIONS
253	Barreleneiridium(I) complexes. Crystal structures of [Ir(Me ₃ TfB)(η -6-C ₆ H ₄ Me ₂)]ClO ₄ and [Ir(TfB)(η -5-PhNPh ₂)]BF ₄ ·CH ₂ Cl ₂ (TfB = tetrafluorobenzobarrelene). <i>Journal of Organometallic Chemistry</i> , 1984, 273, 111-128.	1.8	27
254	Iridium(I) complexes with tetrafluorobenzobarrelene. <i>Journal of Organometallic Chemistry</i> , 1984, 263, 109-120.	1.8	27
255	Synthesis of the first metal dihydrogen M(η -2-H ₂) complexes containing sulfur-donor ligands. <i>Inorganic Chemistry</i> , 1993, 32, 3793-3794.	4.0	27
256	Iridium(I), Iridium(III), and Iridium(V) Complexes Containing the (2-Methoxyethyl)cyclopentadienyl Ligand. <i>Organometallics</i> , 2006, 25, 5131-5138.	2.3	27
257	Preparation of Half-Sandwich Osmium-Allyl Complexes by Consecutive C-C Bond Formation and C-H Bond Activation Reactions. <i>Organometallics</i> , 2006, 25, 693-705.	2.3	27
258	Preparation of Half-Sandwich Osmium Complexes by Deprotonation of Aromatic and Pro-aromatic Acids with a Hexahydride Brønsted Base. <i>Organometallics</i> , 2011, 30, 3844-3852.	2.3	27
259	Reactions of Osmium-Pinacolboranyl Complexes: Preparation of the First Vinylideneboronate Esters. <i>Organometallics</i> , 2012, 31, 2965-2970.	2.3	27
260	Hydroosmiation of Allenes and Reductive Elimination of Olefin in Unsaturated Osmium(IV) Polyhydrides: Hydride versus Chloride. <i>Organometallics</i> , 2013, 32, 2567-2575.	2.3	27
261	Dihydrobiphenylenes through Ruthenium-Catalyzed [2+2+2] Cycloadditions of <i>ortho</i> -Alkenylarylacetylenes with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1841-1844.	13.8	27
262	Preparation via a NHC Dimer Complex, Photophysical Properties, and Device Performance of Heteroleptic Bis(tridentate) Iridium(III) Emitters. <i>Organometallics</i> , 2019, 38, 2738-2747.	2.3	27
263	Synthesis, characterization, and reactivity of rhodium carboxylate dimers [Rh(μ -OOCCH ₃)(CO)(PCy ₃) ₂] ₂ (R = H, F). X-ray crystal structure of [Rh ₂ (μ -OOCCH ₃)(μ - η -1: η -2-C ₂ Ph)(CO) ₂ (PCy ₃) ₂]. <i>Organometallics</i> , 1993, 12, 266-275.	2.3	26
264	Azavinylidene and Azavinylidene-Bridged Compounds of Iridium and Rhodium. <i>Organometallics</i> , 1994, 13, 3315-3323.	2.3	26
265	Preparation and Characterization of a Monocyclopentadienyl Osmium-Allylcarbene Complex. <i>Organometallics</i> , 2007, 26, 6009-6013.	2.3	26
266	One-Pot Dehydrogenative Addition of Isopropyl to Alkynes Promoted by Osmium: Formation of η -3-(η -3-Allyl)- η -1-Alkenylphosphine Derivatives Starting from a Dihydride-Dihydrogen-Triisopropylphosphine Complex. <i>Organometallics</i> , 2007, 26, 2193-2202.	2.3	26
267	Arene Osmium Complexes with Ethacrynic Acid-Modified Ligands: Synthesis, Characterization, and Evaluation of Intracellular Glutathione S-Transferase Inhibition and Antiproliferative Activity. <i>Organometallics</i> , 2016, 35, 1046-1056.	2.3	26
268	Elongated Dihydrogen versus Compressed Dihydride in Osmium Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 1526-1530.	3.3	26
269	A Novel Method To Prepare Hydride-Phosphinito Complexes. <i>Organometallics</i> , 2000, 19, 4650-4652.	2.3	26
270	Pyrazolato-iridium(III) complexes. <i>Journal of Organometallic Chemistry</i> , 1994, 467, 151-159.	1.8	25

#	ARTICLE	IF	CITATIONS
271	Reductive Elimination of [Ph ₂ CCCHPR ₃]BF ₄ from the Rhodium(III)-Allenyl Derivatives [Rh(acac){CHCCPh ₂ }(PR ₃) ₂]BF ₄ (PR ₃ = PCy ₃ , P <i>i</i> Pr ₃). <i>Organometallics</i> , 1997, 16, 4572-4580.	2.3	25
272	Influence of the Solvent in the Synthesis of Osmium Complexes Containing Cyclopentadienyl Ligands with a Pendant Donor Group. <i>Organometallics</i> , 2004, 23, 5633-5636.	2.3	25
273	C-C Bond Activation of the NHC Ligand of an Osmium-Amido Complex. <i>Organometallics</i> , 2010, 29, 4517-4523.	2.3	25
274	Mechanistic Insight into the Facilitation of β -Lactam Fragmentation through Metal Assistance. <i>Chemistry - A European Journal</i> , 2015, 21, 16781-16785.	3.3	25
275	Preparation of Phosphorescent Iridium(III) Complexes with a Dianionic C,C,C,C-Tetradentate Ligand. <i>Inorganic Chemistry</i> , 2018, 57, 3720-3730.	4.0	25
276	Selective formation of cis-PhCH=CH (SiEt ₃) by reaction of PhC≡CH with the stoichiometric amount of HSiEt ₃ , in the presence of ruthenium catalysts. <i>Journal of Molecular Catalysis A</i> , 1995, 96, 21-23.	4.8	24
277	Synthesis and Structure of Ru{Ph ₆ Sn ₃ (μ -OMe) ₂ }(η -H ₂)(CO)(P <i>i</i> Pr ₃) Containing a Tridentate Tin Donor Ligand and Coordinated Dihydrogen. <i>Journal of the American Chemical Society</i> , 1995, 117, 3619-3620.	13.7	24
278	An Entry to Stable Mixed Phosphine-Osmium-NHC Polyhydrides. <i>Inorganic Chemistry</i> , 2016, 55, 5062-5070.	4.0	24
279	Influence of the Bite Angle of Dianionic C,N,C-Pincer Ligands on the Chemical and Photophysical Properties of Iridium(III) and Osmium(IV) Hydride Complexes. <i>Organometallics</i> , 2019, 38, 3707-3718.	2.3	24
280	Synthesis and Characterization of IrH ₂ {Si(OTf)Ph ₂ }(TFB)(PR ₃) (PR ₃ = P <i>i</i> Pr ₃ , PCy ₃): First Base-Stabilized Silylene Complexes of Iridium. <i>Organometallics</i> , 1996, 15, 2185-2188.	2.3	23
281	Formation of an Asymmetric Acyclic Osmium-Dienylcarbene Complex. <i>Organometallics</i> , 2008, 27, 6367-6370.	2.3	23
282	Osmium-Catalyzed Allylic Alkylation. <i>Organometallics</i> , 2008, 27, 4892-4902.	2.3	23
283	Aromatization of a Dihydro-3-ruthenaindolizine Complex. <i>Organometallics</i> , 2009, 28, 4876-4879.	2.3	23
284	Dehydrative Cyclization of Alkynes: Vinylidene Complexes with the η^2 Incorporated into Unsaturated Five- or Six-Membered Rings. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9712-9715.	13.8	23
285	Anti-Markovnikov 1,3-CH Addition of Allenes to Allenes: A Straightforward Method To Prepare Osmium-Dienylcarbene Complexes. <i>Organometallics</i> , 2012, 31, 1991-2000.	2.3	23
286	Osmium-Mediated Direct C-H Bond Activation at the 8-Position of Quinolines. <i>Organometallics</i> , 2016, 35, 1597-1600.	2.3	23
287	η^2 -Borylalkenyl \rightarrow η^1 -E Isomerization in Rhodium-Mediated Diboration of Nonfunctionalized Internal Alkynes. <i>Organometallics</i> , 2018, 37, 1970-1978.	2.3	23
288	Recent Advances in Synthesis of Molecular Heteroleptic Osmium and Iridium Phosphorescent Emitters. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4731-4761.	2.0	23

#	ARTICLE	IF	CITATIONS
289	Hydrogen-transfer catalytic synergism in binuclear complexes containing 2,2'-bimidazolate as a bridging ligand. <i>Organometallics</i> , 1992, 11, 702-705.	2.3	22
290	Synthesis and X-ray Structure of the Unusual Cysteine-Complex OsH ₂ {OC(=O)CH[NHC(=O)CH ₃]CH ₂ S}(PiPr ₃) ₂ . <i>Inorganic Chemistry</i> , 1995, 34, 1004-1006.	4.0	22
291	Synthesis and reactivity of new benzophenone imine derivatives containing the Ru(CO)(PiPr ₃) ₂ unit. <i>Journal of Organometallic Chemistry</i> , 1996, 526, 73-83.	1.8	22
292	Mechanism of the hydrogenation of 2,5-norbornadiene catalyzed by [Rh(NBD)(PPh ₃) ₂]BF ₄ in dichloromethane: a kinetic and spectroscopic investigation. <i>Journal of Organometallic Chemistry</i> , 2000, 599, 178-184.	1.8	22
293	Preparation and Characterization of Novel Os ^{IV} Diolefin Dimers: A New Entry to Os ^{IV} Cyclooctadiene Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 10162-10171.	4.0	22
294	Hydride Alkenylcarbyne Osmium Complexes versus Cyclopentadienyl Type Half-Sandwich Ruthenium Derivatives. <i>Organometallics</i> , 2011, 30, 1930-1941.	2.3	22
295	Reactions of an Osmium Bis(dihydrogen) Complex under Ethylene: Phosphine Addition to a C=C Double Bond and C-H Bond Activation of Fluoroarenes. <i>Organometallics</i> , 2011, 30, 5710-5715.	2.3	22
296	Perfluoro-tagged rhodium and ruthenium nanoparticles immobilized on silica gel as highly active catalysts for hydrogenation of arenes under mild conditions. <i>New Journal of Chemistry</i> , 2013, 37, 278-282.	2.8	22
297	λ^1 -Arene Complexes as Intermediates in the Preparation of Molecular Phosphorescent Iridium(III) Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 15729-15737.	3.3	22
298	Base-Free and Acceptorless Dehydrogenation of Alcohols Catalyzed by an Iridium Complex Stabilized by a λ^1 -Osmaligand. <i>Organometallics</i> , 2018, 37, 2732-2740.	2.3	22
299	Rhodium-Mediated Dehydrogenative Borylation of Hydroborylation of Bis(alkyl)alkynes: Intermediates and Mechanism. <i>Organometallics</i> , 2019, 38, 2062-2074.	2.3	22
300	Rhodium(I) complexes with the 2,2'-bipyrimidine ligand. <i>Polyhedron</i> , 1987, 6, 1427-1431.	2.2	21
301	Kinetic studies on the selective hydrogenation of phenylacetylene catalyzed by [Rh(NBD)(PPh ₃) ₂]BF ₄ (NBD=2,5-norbornadiene). <i>Journal of Organometallic Chemistry</i> , 1998, 551, 49-53.	1.8	21
302	The Cyclopentadienyl-Osmium Moiety as Template for the Formation of a Dihydronaphthylphosphine by Coupling between Phenylacetylene and an λ^1 -Alkenylphosphine. <i>Organometallics</i> , 2005, 24, 5180-5183.	2.3	21
303	Preparation, Structure, Bonding, and Preliminary Reactivity of a Six-Coordinate d ⁴ Osmium ^{IV} Boryl Complex. <i>Organometallics</i> , 2012, 31, 4646-4649.	2.3	21
304	Alkenylation of 2-Methylpyridine via Pyridylidene-Osmium Complexes. <i>Organometallics</i> , 2012, 31, 8618-8626.	2.3	21
305	C-H activation and H-H formation: two consecutive heterolytic processes on an osmium ^{IV} hydrogensulfide bond. <i>Chemical Communications</i> , 2013, 49, 7543.	4.1	21
306	Selective Synthesis and Photophysical Properties of Phosphorescent Heteroleptic Iridium(III) Complexes with Two Different Bidentate Groups and Two Different Monodentate Ligands. <i>Organometallics</i> , 2017, 36, 1743-1755.	2.3	21

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307	Tetrafluorobenzobarreleneiridium complexes with 1,10-phenanthroline, 2,2'-bipyridine and diketonate		
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#	ARTICLE	IF	CITATIONS
325	Synthesis and crystal structure of [Ir(acac-C3)(COD)(phen)]. <i>Journal of Organometallic Chemistry</i> , 1983, 258, 357-366.	1.8	18
326	Dioxygen Activation by an Osmium-dihydride: Preparation and Characterization of a d4Square-Planar Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 13344-13345.	13.7	18
327	Suzuki-Miyaura Cross-Coupling Reactions for Increasing the Efficiency of Tris-Heteroleptic Iridium(III) Emitters. <i>Organometallics</i> , 2019, 38, 2883-2887.	2.3	18
328	Direct C-H Borylation of Arenes Catalyzed by Saturated Hydride-Boryl Iridium-POP Complexes: Kinetic Analysis of the Elemental Steps. <i>Chemistry - A European Journal</i> , 2020, 26, 12632-12644.	3.3	18
329	Cationic iridium(I) complexes with 1,5-cyclooctadiene and nitrogen ligands. <i>Inorganica Chimica Acta</i> , 1983, 73, 275-279.	2.4	17
330	Addition of H ₂ SiPh ₂ to Ir(acac)(.eta.2-CH ₃ O ₂ C-C.tplbond.C-CO ₂ CH ₃)(PR ₃): Synthesis and Characterization of [cyclic] Ir(acac){C[CH(OCH ₃)OSiPh ₂]:CHCO ₂ CH ₃ }(PR ₃) (R = CHMe ₂ , cyclohexyl). <i>Organometallics</i> , 1995, 14, 263-268.	2.3	17
331	Synthesis and Characterization of OsH ₂ Cl[¹⁵ N, ¹⁸ O-(ONCR ₂)](PiPr ₃) ₂ (CR ₂ = C(CH ₂) ₄ CH ₂ , R = CH ₃): Influence of the L ₂ Ligand on the Nature of the H ₂ Unit in OsH ₂ ClL ₂ (PiPr ₃) ₂ (L ₂ = ONCR ₂ , NHC(Ph)C ₆ H ₄) Complexes. <i>Organometallics</i> , 1999, 18, 4296-4303.	2.3	17
332	Monocationic Trihydride and Dicationic Dihydride-Dihydrogen and Bis(dihydrogen) Osmium Complexes Containing Cyclic and Acyclic Triamine Ligands: Influence of the N-Os-N Angles on the Hydrogen-Hydrogen Interactions. <i>Inorganic Chemistry</i> , 2009, 48, 2677-2686.	4.0	17
333	Dicationic Alkylidene ⁺ , Olefin ⁺ , and Alkoxyalkenylcarbene ⁺ Osmium Complexes Stabilized by a NHC Ligand. <i>Organometallics</i> , 2010, 29, 876-882.	2.3	17
334	Unprecedented Addition of Tetrahydroborate to an Osmium-Carbon Triple Bond. <i>Organometallics</i> , 2014, 33, 2689-2692.	2.3	17
335	Reactions of an Osmium(IV)-Hydroxo Complex with Amino-Boranes: Formation of Boroxide Derivatives. <i>Organometallics</i> , 2019, 38, 310-318.	2.3	17
336	Kinetic Analysis and Sequencing of Si-H and C-H Bond Activation Reactions: Direct Silylation of Arenes Catalyzed by an Iridium-Polyhydride. <i>Journal of the American Chemical Society</i> , 2020, 142, 19119-19131.	13.7	17
337	Repercussion of a 1,3-Hydrogen Shift in a Hydride-Osmium-Allenylidene Complex. <i>Organometallics</i> , 2021, 40, 1523-1537.	2.3	17
338	Alternative Conceptual Approach to the Design of Bifunctional Catalysts: An Osmium Germylene System for the Dehydrogenation of Formic Acid. <i>Inorganic Chemistry</i> , 2021, 60, 16860-16870.	4.0	17
339	Selectivity of Allenylidene versus Butadienyl Protonation in an Osmium-Bisphosphine System. <i>Organometallics</i> , 2009, 28, 2107-2111.	2.3	16
340	Osmium-Catalyzed Oxidation of Primary Alcohols with Molecular Oxygen. <i>Organometallics</i> , 2011, 30, 6402-6407.	2.3	16
341	Dehydrogenative Addition of Aldehydes to a Mixed NHC-Osmium-Phosphine Hydroxide Complex: Formation of Carboxylate Derivatives. <i>Organometallics</i> , 2016, 35, 2171-2173.	2.3	16
342	Insertion of Diphenylacetylene into Rh-Hydride and Rh-Boryl Bonds: Influence of the Boryl on the Behavior of the η^2 -Borylalkenyl Ligand. <i>Organometallics</i> , 2019, 38, 4183-4192.	2.3	16

#	ARTICLE	IF	CITATIONS
343	Dihydroboration of Alkyl Nitriles Catalyzed by an Osmium-Polyhydride: Scope, Kinetics, and Mechanism. <i>Organometallics</i> , 2020, 39, 3864-3872.	2.3	16
344	Reactions of [IrH ₂ (Me ₂ CO)(Hpz)(PPh ₃) ₂]BF ₄ with alkynes: synthesis of new hydride-vinyl iridium(III) complexes. <i>Journal of Organometallic Chemistry</i> , 1994, 466, 249-257.	1.8	15
345	Synthesis and Characterization of New Hydridoiridium Complexes Containing Carboxylate Ligands. <i>Inorganic Chemistry</i> , 1994, 33, 3473-3480.	4.0	15
346	Synthesis, reactivity and catalytic activity of [RuH(Î-1-OCMe ₂)(CO) ₂ (PPri ₃) ₂]BF ₄ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2171-2181.	1.1	15
347	Mono- and dinuclear osmium N,Nâ€²-di- and tetraphenylbipyridyls and extended bipyridyls. Synthesis, structure and electrochemistry. <i>Dalton Transactions</i> , 2013, 42, 3597.	3.3	15
348	Osmium Models of Intermediates Involved in Catalytic Reactions of Alkylidenecyclopropanes. <i>Organometallics</i> , 2013, 32, 4851-4861.	2.3	15
349	Boryl-Dihydrideborate Osmium Complexes: Preparation, Structure, and Dynamic Behavior in Solution. <i>Organometallics</i> , 2015, 34, 941-946.	2.3	15
350	Formation of Dinuclear Iridium Complexes by NHC-Supported Câ€“H Bond Activation. <i>Organometallics</i> , 2017, 36, 699-707.	2.3	15
351	Reduction of Benzonitriles via Osmiumâ€™Azavinylidene Intermediates Bearing Nucleophilic and Electrophilic Centers. <i>Inorganic Chemistry</i> , 2019, 58, 8673-8684.	4.0	15
352	Phosphorescent Iridium(III) Complexes with a Dianionic C,Câ€™²,N,Nâ€™²-Tetradentate Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 12286-12294.	4.0	15
353	Preparation and Photophysical Properties of <i>Bis</i>(tridentate) Iridium(III) Emitters: Pincer Coordination of 2,6-Di(2-pyridyl)phenyl. <i>Inorganic Chemistry</i> , 2020, 59, 3838-3849.	4.0	15
354	Osmium-Promoted Transformation of Alkyl Nitriles to Secondary Aliphatic Amines: Scope and Mechanism. <i>Organometallics</i> , 2020, 39, 2177-2188.	2.3	15
355	Surface-bound organometallic rhodium precursors for 1-hexene hydrogenation. <i>Applied Organometallic Chemistry</i> , 1990, 4, 157-162.	3.5	14
356	Preparation and Full Characterization of a Tetrahydride-bis(stannyl)-osmium(VI) Derivative. <i>Organometallics</i> , 2004, 23, 1453-1456.	2.3	14
357	Ring Expansion versus <i>exo</i>â€™<i>endo</i> Isomerization in (2-Pyridyl)methylenecyclobutane Coordinated to Hydrido(trispyrazolyl)borate- and Cyclopentadienyl-Osmium Complexes. <i>Organometallics</i> , 2010, 29, 2372-2376.	2.3	14
358	Aromatic Osmacyclopropenefuran Bicycles and Their Relevance for the Metalâ€™Mediated Hydration of Functionalized Allenes. <i>Angewandte Chemie</i> , 2016, 128, 13953-13957.	2.0	14
359	Pyridyl-Directed Câ€™H and Câ€™Br Bond Activations Promoted by Dimer Iridium-Olefin Complexes. <i>Organometallics</i> , 2018, 37, 3770-3779.	2.3	14
360	Redox-Assisted Osmium-Promoted Câ€™C Bond Activation of Alkyl nitriles. <i>Organometallics</i> , 2018, 37, 2014-2017.	2.3	14

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361	C(sp ³)-Cl Bond Activation Promoted by a POP-Pincer Rhodium(I) Complex. <i>Organometallics</i> , 2019, 38, 3074-3083.	2.3	14
362	N-H and C-H Bond Activations of an Isoindoline Promoted by Iridium- and Osmium-Polyhydride Complexes: A Noninnocent Bridge Ligand for Acceptorless and Base-Free Dehydrogenation of Secondary Alcohols. <i>Organometallics</i> , 2020, 39, 2719-2731.	2.3	14
363	Cycloosmathioborane Compounds: Other Manifestations of the Hückel Aromaticity. <i>Inorganic Chemistry</i> , 2019, 58, 2265-2269.	4.0	14
364	Synthesis and structure of the unusual 30-electron homobinuclear vinylidene-bridged rhodium complexes [Rh ₂ (μ-OOCCH ₃)(μ-C:CHR)(CO) ₂ (PCy ₃) ₂]BF ₄ . <i>Organometallics</i> , 1993, 12, 4219-4222.	2.3	13
365	Behavior of OsH ₂ Cl ₂ (P ⁺ Pr ₃) ₂ in Acetonitrile: The Importance of the Small Details. <i>Organometallics</i> , 2009, 28, 1582-1585.	2.3	13
366	Selective meta-C-H Bond Activation of Substituted 1,3-Chlorobenzenes Promoted by an Osmium Pyridyl Complex. <i>Organometallics</i> , 2014, 33, 1851-1858.	2.3	13
367	Conceptual Extension of the Degradation-Transformation of N-Heterocyclic Carbenes: Unusual Rearrangements on Osmium. <i>Organometallics</i> , 2018, 37, 3412-3424.	2.3	13
368	Trapping of a 12-Valence-Electron Osmium Intermediate. <i>Organometallics</i> , 2009, 28, 4606-4609.	2.3	12
369	Formation of Osmium-Allylphosphinomethanide Complexes by Coupling of an Isopropenyldiisopropylphosphine and Monosubstituted Allenes. <i>Organometallics</i> , 2012, 31, 440-444.	2.3	12
370	Insertion of Unsaturated C=C Bonds into the O-H Bond of an Iridium(III)-Hydroxo Complex: Formation of Phosphorescent Emitters with an Asymmetrical ^{1,2} -Diketonate Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 15877-15887.	4.0	12
371	Reactions of IrXL ₂ (PR ₃)(X = Cl, OTf; L ₂ = TFB, 2CO) with HSnR ₃ (R = Ph, nBu). <i>Journal of Organometallic Chemistry</i> , 1997, 534, 95-103.	1.8	11
372	Osmium-Centered Oxetylidene: Formation and Cleavage. <i>Organometallics</i> , 2012, 31, 8079-8081.	2.3	11
373	Synthesis, X-ray Structure, and Catalytic Activity of the Unusual Complex [Ir(TFB)(PiPr ₃) ₂]BF ₄ (TFB =) Tj ETQq1 1 0,784314 rgBT /Ove	2.3	10
374	Stabilization of a Chelate Tautomer of Phenylacetylide. <i>Organometallics</i> , 2003, 22, 1787-1789.	2.3	10
375	Preparation, X-ray Structures, and NMR Spectra of Elongated Dihydrogen Complexes with Four- and Five-Coordinate Tin Centers. <i>Organometallics</i> , 2006, 25, 4691-4694.	2.3	10
376	Ruthenium Hydroxycarbenes as Key Intermediates in Cycloisomerization and Decarbonylative Cyclization of Terminal Alkynes. <i>Organometallics</i> , 2014, 33, 3474-3480.	2.3	10
377	Synthesis and characterization of (PPr ₃) ₂ (CO)HRu(1/4-H)-(1/4-OMe)Ir(cod): an unusual example of a heterometallic complex containing a mixed hydridoalkoxide bridge. <i>New Journal of Chemistry</i> , 1999, 23, 403-406.	2.8	9
378	Preparation of Capped Octahedral OsHC ₆ Complexes by Sequential Carbon-Directed C-H Bond Activation Reactions. <i>Organometallics</i> , 2016, 35, 2532-2542.	2.3	9

#	ARTICLE	IF	CITATIONS
379	A General Rhodium Catalyst for the Deuteration of Boranes and Hydrides of the Group 14 Elements. <i>Journal of Organic Chemistry</i> , 2020, 85, 15693-15698.	3.2	9
380	Hydration of Aliphatic Nitriles Catalyzed by an Osmium Polyhydride: Evidence for an Alternative Mechanism. <i>Inorganic Chemistry</i> , 2021, 60, 7284-7296.	4.0	9
381	Dissimilarity in the Chemical Behavior of Osmaoxazolium Salts and Osmaoxazoles: Two Different Aromatic Metalladiheterocycles. <i>Organometallics</i> , 2021, 40, 4150-4162.	2.3	9
382	Synthesis and catalytic activity of some cationic rhodium(I) complexes with substituted quinolines. <i>Transition Metal Chemistry</i> , 1982, 7, 242-245.	1.4	8
383	Synthesis and reactions of phenylacetylide iridium(I) and rhodium(I) complexes. <i>Journal of Organometallic Chemistry</i> , 1990, 381, 275-279.	1.8	8
384	Tuning the Nature and Formation of Bis(dihydrogen)â€“Osmium Species. <i>Organometallics</i> , 2018, 37, 367-379.	2.3	8
385	Electronic Communication in Binuclear Osmium- and Iridium-Polyhydrides. <i>Inorganic Chemistry</i> , 2021, 60, 2783-2796.	4.0	8
386	Pseudo-Tris(heteroleptic) Red Phosphorescent Iridium(III) Complexes Bearing a Dianionic C ₂ N ₂ C ₂ N ₂ -Tetradentate Ligand. <i>Inorganic Chemistry</i> , 2021, 60, 11347-11363.	4.0	8
387	The Mechanisms of Homogeneous Hydrogenation. <i>Catalysis By Metal Complexes</i> , 1994, , 5-85.	0.6	8
388	Kinetic and spectroscopic study of the hydrogen-transfer reaction from 2-propanol to cyclohexanone catalyzed by [IrH ₂ (pz)(Hpz)(PPh ₃) ₂] (Hpzâ†’pyrazole). <i>Journal of Molecular Catalysis</i> , 1994, 87, 151-160.	1.2	7
389	Dihydride versus Elongated Dihydrogen in [H ₂ O _s (¹⁸ O ₂ CCH ₃)L(PiPr ₃) ₂] ⁺ Complexes:â€‰ Influence of the L Ligand. <i>Organometallics</i> , 2002, 21, 1311-1314.	2.3	7
390	Deacylative Alkylation vs. Photoredox Catalysis in the Synthesis of 3,3'-Bioxindoles. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3101-3109.	2.4	7
391	Preparation and Degradation of Rhodium and Iridium Diolefin Catalysts for the Acceptorless and Base-Free Dehydrogenation of Secondary Alcohols. <i>Organometallics</i> , 2021, 40, 989-1003.	2.3	7
392	Alkynyl Ligands as Building Blocks for the Preparation of Phosphorescent Iridium(III) Emitters: Alternative Synthetic Precursors and Procedures. <i>Inorganic Chemistry</i> , 2022, 61, 9019-9033.	4.0	7
393	The synthesis and structure determination of a novel 1-6-arenerhodium(III) complex, [(Me ₂ SiC ₆ H ₅) ₄ Rh ₂ H ₂], and the synthesis of [(Me ₂ SiC ₆ H ₅) ₄ Ir ₂ H ₂]. <i>Journal of Organometallic Chemistry</i> , 1987, 330, 179-184.	1.8	6
394	Reductive elimination of the alkenyl fragment and a phosphine ligand from [Rh(acac) [?] (E)-CH=CHR [?] (PCy ₃) ₂]BF ₄ (R=Cy, Ph, H): preparation of [(E)-RHC=CHPCy ₃]BF ₄ from alkynes. <i>Journal of Organometallic Chemistry</i> , 1999, 577, 265-270.	1.8	6
395	Sigma-bond activation reactions induced by unsaturated Os(IV)-hydride complexes. <i>Advances in Organometallic Chemistry</i> , 2020, 74, 53-104.	1.0	6
396	Reactions of POP-pincer rhodium(I)-aryl complexes with small molecules: coordination flexibility of the ether diphosphine. <i>Canadian Journal of Chemistry</i> , 2021, 99, 127-136.	1.1	6

#	ARTICLE	IF	CITATIONS
397	Bromination and C–C Cross-Coupling Reactions for the C–H Functionalization of Iridium(III) Emitters. <i>Organometallics</i> , 2021, 40, 3211-3222.	2.3	6
398	Assembly of a Dihydrideborate and Two Aryl Nitriles to Form a C,N,N ² -Pincer Ligand Coordinated to Osmium. <i>Organometallics</i> , 2021, 40, 635-642.	2.3	4
399	Homogeneous Transfer Hydrogenation Catalysed by Metal Complexes. <i>Catalysis By Metal Complexes</i> , 1994, , 87-118.	0.6	4
400	C–Cl Oxidative Addition and C–C Reductive Elimination Reactions in the Context of the Rhodium-Promoted Direct Arylation. <i>Organometallics</i> , 2022, 41, 716-732.	2.3	4
401	Metathesis between E ⁿ C(sp ⁿ) and H ⁿ C(sp ³) C–C Bonds (E=Si, Ge; n=2, 3) on an Osmium–Polyhydride. <i>Angewandte Chemie</i> , 2022, 134, 10784-10788.	13.8	4
402	Alkenyl-Assisted C ³ –C Bond Activation of Acetylacetonate Coordinated to Iridium. <i>Organometallics</i> , 2017, 36, 4344-4347.	2.3	3
403	Osmium Complexes With POP Pincer Ligands. , 2018, , 341-357.		2
404	Azolium Control of the Osmium-Promoted Aromatic C–H Bond Activation in 1,3-Disubstituted Substrates. <i>Organometallics</i> , 2021, 40, 3979-3991.	2.3	2
405	Silyl-Osmium(IV)-Trihydride Complexes Stabilized by a Pincer Ether-Diphosphine: Formation and Reactions with Alkynes. <i>Organometallics</i> , 2022, 41, 2022-2034.	2.3	2
406	Supported Metal Complexes. <i>Catalysis By Metal Complexes</i> , 1994, , 241-253.	0.6	1
407	C–C Coupling and C–H Bond Activation Reactions of Cyclopentadienyl–Osmium Compounds: The Rich and Varied Chemistry of Os(I-5-C5H5)Cl (PiPr3) ₂ and Its Major Derivatives. <i>ChemInform</i> , 2005, 36, no.	0.0	0
408	Metathesis between E ⁿ C(sp ⁿ) and H ⁿ C(sp ³) C–C Bonds (E = Si, Ge; n = 2, 3) on an Osmium–Polyhydride. <i>Angewandte Chemie</i> , 0, , .	2.0	0