LuisÂ A Oro

List of Publications by Year
in descending order

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677	20,273	20817 60	45317 90
papers	citations	h-index	g-index

721	721	721	7553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transition metal liquid crystals: advanced materials within the reach of the coordination chemist. Coordination Chemistry Reviews, 1992, 117, 215-274.	18.8	460
2	Dihydrogen Complexes as Homogeneous Reduction Catalysts. Chemical Reviews, 1998, 98, 577-588.	47.7	230
3	Dinuclear Methoxy, Cyclooctadiene, and Barrelene Complexes of Rhodium(I) and Iridium(I). Inorganic Syntheses, 2007, , 126-130.	0.3	223
4	Homogeneous catalytic reduction of CO₂ with hydrosilanes. Catalysis Science and Technology, 2014, 4, 611-624.	4.1	184
5	Iridium Complexes withN-Allyl-Substituted Benzimidazol-2-ylidene Ligands and Their Application in Catalytic Transfer Hydrogenation. Organometallics, 2005, 24, 2203-2209.	2.3	177
6	Rhodium(I) Complexes with Hemilabile N-Heterocyclic Carbenes: Efficient Alkyne Hydrosilylation Catalysts. Organometallics, 2008, 27, 224-234.	2.3	177
7	Homogeneous Hydrogenation. Catalysis By Metal Complexes, 1994, , .	0.6	176
8	Synthesis, reactivity, molecular structure, and catalytic activity of the novel dichlorodihydridoosmium(IV) complexes OsH2Cl2(PR3)2 (PR3 = P-i-Pr3, PMe-t-Bu2). Inorganic Chemistry, 1991, 30, 288-293.	4.0	175
9	Ligand-Controlled Regioselectivity in the Hydrothiolation of Alkynes by Rhodium N-Heterocyclic Carbene Catalysts. Journal of the American Chemical Society, 2012, 134, 8171-8183.	13.7	170
10	The Emergence of Transitionâ€Metalâ€Mediated Hydrothiolation of Unsaturated Carbonâ€“Carbon Bonds: A Mechanistic Outlook. Angewandte Chemie - International Edition, 2013, 52, 211-222.	13.8	154
11	Selective hydrogenation of 1-alkynes to alkenes catalyzed by an iron(II) cis-hydride .eta.2-dihydrogen complex. A case of intramolecular reaction between .eta.2-H2 and .sigma.-vinyl ligands. Organometallics, 1992, 11, 138-145.	2.3	153
12	Kinetic and mechanistic investigation of the sequential hydrogenation of phenylacetylene catalyzed by OsHCl(CO)(PR3)2 [PR3 = PMe-tert-Bu2 and P-i-Pr3]. Journal of the American Chemical Society, 1989, 111, 7431-7437.	13.7	136
13	Five-Coordinate Complex [RuHCl(CO)(PPri3)2] as a Precursor for the Preparation of New Cyclopentadienylruthenium Compounds Containing Unsaturated Î·1-Carbon Ligandsâ€. Organometallics, 1996, 15, 3423-3435.	2.3	136
14	Iridium(I) Complexes with Hemilabile N-Heterocyclic Carbenes: Efficient and Versatile Transfer Hydrogenation Catalysts. Organometallics, 2011, 30, 5493-5508.	2.3	132
15	Effective Fixation of CO₂ by Iridiumâ€Catalyzed Hydrosilylation. Angewandte Chemie - International Edition, 2012, 51, 12824-12827.	13.8	130
16	Indenyl complexes of ruthenium(II). Crystal structure of [Ru(CO)(PPh3)2(Î·5-C9H7)]ClO4Â·CH2Cl2. Journal of Organometallic Chemistry, 1985, 289, 117-131.	1.8	126
17	Reactions of the Dihydrogen Complex OsCl2(.eta.2-H2)(CO)(PiPr3)2 with Terminal Alkynes: Synthesis of Carbene, Vinylcarbene, and .mu.-Bis-carbene Osmium (II) Derivatives. Journal of the American Chemical Society, 1995, 117, 7935-7942.	13.7	114
18	A leap forward in iridiumâ€“NHC catalysis: new horizons and mechanistic insights. Chemical Society Reviews, 2018, 47, 2772-2808.	38.1	112

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19	Synthesis of new hydride-carbyne and hydride-vinylcarbyne complexes of osmium(II) by reaction of OsH2Cl2(P-iso-Pr3)2 with terminal alkynes. Journal of the American Chemical Society, 1993, 115, 4683-4689.	13.7	111
20	Homogeneous catalysis by osmium complexes. A review. Journal of Molecular Catalysis A, 1995, 96, 231-243.	4.8	103
21	Enantioselective 1,3-Dipolar Cycloaddition of Nitrones to Methacrolein Catalyzed by (Î·5-C5Me5)M{(R)-Prophos} Containing Complexes (M = Rh, Ir; (R)-Prophos =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (1,2 Chemical Society, 2005, 127, 13386-13398.	13.7	103
22	Oxidation and Î²â€Alkylation of Alcohols Catalysed by Iridium(I) Complexes with Functionalised Nâ€Heterocyclic Carbene Ligands. Chemistry - A European Journal, 2015, 21, 17877-17889.	3.3	103
23	Homogeneous Catalytic Reduction of CO₂ with Siliconâ€Hydrides, State of the Art. ChemCatChem, 2018, 10, 4783-4796.	3.7	100
24	Trimerisation of the Cationic Fragments [(Î·-ring)M(Aa)]+ ((Î·-ring) M=(Î·5-C5Me5)Rh, (Î·5-C5Me5)Ir,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Solution Studies and Catalytic Reactions of the Trimers [{(Î·-ring)M(Aa)}3](BF4)3. Chemistry - A European Journal, 1999, 5, 1544-1564.	3.3	97
25	Reactivity of OsH4(CO)(PiPr3)2 toward terminal alkynes: synthesis and reactions of the alkynyl-dihydrogen complexes OsH(C2R)(.eta.2-H2)(CO)(PiPr3)2 (R = Ph, SiMe3). Organometallics, 1993, 12, 663-670.	2.3	96
26	(Pyrazolato)gold Complexes Showing Room-Temperature Columnar Mesophases. Synthesis, Properties, and Structural Characterization. Inorganic Chemistry, 1998, 37, 2960-2967.	4.0	96
27	Recent advances in homogeneous enantioselective Dielsâ€“Alder reactions catalyzed by chiral transition-metal complexes. Coordination Chemistry Reviews, 2000, 200-202, 717-772.	18.8	95
28	Pyrazolateâ€œGoldenâ€•Rings: Trinuclear Complexes That Form Columnar Mesophases at Room Temperature. Angewandte Chemie International Edition in English, 1996, 35, 2832-2835.	4.4	94
29	Exclusive formation of cis-PhCH:CH(SiEt3) by addition of triethylsilane to phenylacetylene catalyzed by ruthenium complex [(Me2CH)3P]2RuHCl(CO). Organometallics, 1993, 12, 2377-2379.	2.3	89
30	Pyrazolate bridged dinuclear rhodium complexes. X-ray structure of [Rh(Pz)(CO)P(OPh)3]2. Journal of Organometallic Chemistry, 1981, 205, 247-257.	1.8	88
31	A deceptively simple case of selective hydrogenation of phenylacetylene to styrene catalyzed by a cis-hydrido(.eta.2-dihydrogen)ruthenium(II) complex. Organometallics, 1992, 11, 3837-3844.	2.3	88
32	Hydrosilylation of phenylacetylene via an Os(SiEt3)(.eta.2-H2) intermediate catalyzed by OsHCl(CO)(PPr-iso3)2. Organometallics, 1991, 10, 462-466.	2.3	86
33	Synthesis and Reactivity of the Unusual Five-Coordinate Hydridoâ^'Hydroxo Complex OsH(OH)(CO)(PiPr3)2. Organometallics, 1997, 16, 3828-3836.	2.3	81
34	An Alternative Mechanistic Paradigm for the Î²â€Z Hydrosilylation of Terminal Alkynes: The Role of Acetone as a Silane Shuttle. Chemistry - A European Journal, 2013, 19, 17559-17566.	3.3	81
35	Optically active pseudoctahedral rhodium(III), iridium(III), and ruthenium(II) complexes with Î±-amino acidato ligands. Crystal structures of RIrSCSN- and SIrSCSN-[(C5Me5)Ir(pro)Cl] Â· H2O (Hpro =) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.4	80
36	Cooperative Bimetallic Effects on New Iridium(III) Pyrazolate Complexes:Â Hydrogenâ^'Hydrogen, Carbonâ^'Hydrogen, and Carbonâ^'Chlorine Bond Activations. Organometallics, 1998, 17, 683-696.	2.3	79

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37	Coordination of H2 and O2 to[OsHCl(CO)(PiPr3)2]: A Catalytically Active M(Î·2-H2) Complex. Angewandte Chemie International Edition in English, 1988, 27, 1563-1564.	4.4	78
38	Versatility of Cyclooctadiene Ligands in Iridium Chemistry and Catalysis. Organometallics, 2003, 22, 5406-5417.	2.3	78
39	Chiral ruthenium complexes as catalysts in enantioselective Dielsâ€“Alder reactions. Crystal structure of the Lewis acidâ€“dienophile adduct. Chemical Communications, 1997, , 2351-2352.	4.1	77
40	Enantioselective hydride transfer hydrogenation of ketones catalyzed by [(Î·6-p-cymene)Ru(amino) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Chemistry, 2000, 593-594, 299-306.	1.8	77
41	The Complete Characterization of a Rhodium Lewis Acidâ^'Dipolarophile Complex as an Intermediate for the Enantioselective Catalytic 1,3-Dipolar Cycloaddition ofC,N-Diphenylnitrone to Methacrolein. Journal of the American Chemical Society, 2004, 126, 2716-2717.	13.7	77
42	Enhanced Hydrogen-Transfer Catalytic Activity of Iridium N-Heterocyclic Carbenes by Covalent Attachment on Carbon Nanotubes. ACS Catalysis, 2013, 3, 1307-1317.	11.2	77
43	The chemical and catalytic reactions of hydrido-chloro-carbonylbis (triisopropylphosphine)osmium(II) and its major derivatives. Advances in Organometallic Chemistry, 2001, 47, 1-59.	1.0	74
44	Synthesis, molecular structure, and reactivity of octahedral alkylhydridoosmium(II) complexes [OsH(R)(CO)2(PR'3)2]. Organometallics, 1992, 11, 2034-2043.	2.3	73
45	The Five-Coordinate Hydridoâ^'Dihydrogen Complex [OsH(Î·2-H2)(CO)(PiPr3)2]BF4Acting as a Template for the Carbonâ^'Carbon Coupling between Methyl Propiolate and 1,1-Diphenyl-2-propyn-1-ol. Organometallics, 1998, 17, 373-381.	2.3	73
46	MHCl(CO)(PiPr3)2 (M = Ru, Os) complexes as catalyst precursors for the reduction of unsaturated substrates. Journal of Molecular Catalysis, 1988, 45, 1-5.	1.2	72
47	Reactions of RuHCl(CO)(PiPr3)2 with Alkyn-1-ols: Synthesis of Ruthenium(II) Hydroxyvinyl and Vinylcarbene Complexes. Organometallics, 1994, 13, 4258-4265.	2.3	72
48	Mild and Selective H/D Exchange at the Î²â€…Position of Aromatic Î±â€Olefins by Nâ€Heterocyclic Carbeneâ€“Hydrideâ€“Rhodium Catalysts. Angewandte Chemie - International Edition, 2011, 50, 3938-3942.	13.8	72
49	Reactions of OsHCl(CO)(PiPr3)2 with Alkyn-1-ols: Synthesis of (Vinylcarbene)osmium(II) Complexes. Organometallics, 1994, 13, 1662-1668.	2.3	69
50	Carbonâ^'Carbon Coupling and Carbonâ^'Hydrogen Activation Reactions in Bis(triisopropylphosphine)osmium Complexesâ€. Journal of the American Chemical Society, 1996, 118, 89-99.	13.7	68
51	From Platinum Blues to Rhodium and Iridium Blues. Chemistry - A European Journal, 1999, 5, 1131-1135.	3.3	68
52	Half-Sandwich Complexes with Aminocarboxylate Ligands and Their Use as Enantioselective Hydrogen Transfer Catalysts. European Journal of Inorganic Chemistry, 2002, 2002, 2239-2251.	2.0	68
53	A Hexanuclear Iridium Chain. Angewandte Chemie - International Edition, 2003, 42, 529-532.	13.8	66
54	Reaction of OsHCl(CO)(PiPr3)2 with Cyclohexylacetylene: Formation of a Hydrido-Vinylidene Complex via a 1,3-Hydrogen Shift. Organometallics, 1995, 14, 3596-3599.	2.3	65

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55	Reactions of Diamidonaphthalene-Bridged Diiridium Tetrahydrides with Alkynes:â€‰ Hydrogenation, Vinylidene Formation, and Catalytic Câ^'C Coupling. Organometallics, 2005, 24, 2722-2729.	2.3	65
56	Rhodium(I) complexes with bis(pyrazolyl)methane ligands. Crystal structure of [Rh(COD)(CH2(Pz)2)]ClO4Â· C2H4Cl2. Journal of Organometallic Chemistry, 1984, 276, 79-97.	1.8	62
57	Quantum Mechanical Exchange Coupling in Trihydridoosmium Complexes Containing Azole Ligands. Inorganic Chemistry, 1996, 35, 7811-7817.	4.0	62
58	Outerâ€Sphere Ionic Hydrosilylation Catalysis. ChemCatChem, 2014, 6, 2486-2489.	3.7	62
59	Indirect cooperative effects leading to synergism in bimetallic homogeneous catalysts containing azolates as bridging ligands. Organometallics, 1991, 10, 127-133.	2.3	61
60	Direct Access to Parent Amido Complexes of Rhodium and Iridium through Nï£¿H Activation of Ammonia. Angewandte Chemie - International Edition, 2011, 50, 11735-11738.	13.8	60
61	A synthon for a 14-electron Ir(iii) species: catalyst for highly selective Î²-(Z) hydrosilylation of terminal alkynes. Chemical Communications, 2012, 48, 9480.	4.1	60
62	On the Sense of the Enantioselection in Hydrogen Transfer Reactions from 2-Propanol to Ketones. Advanced Synthesis and Catalysis, 2002, 344, 499.	4.3	59
63	Insertion reaction of acetone-d6 into the osmium-hydrogen bond of [OsHCl(CO)(P-iso-Pr3)2]: experimental evidence for the hydrogen-transfer mechanism from alcohols to ketones. Inorganic Chemistry, 1991, 30, 1159-1160.	4.0	58
64	Cationic rhodium(I) organic complexes with nitrogen donors and their carbonylation products. Journal of Organometallic Chemistry, 1976, 105, 365-370.	1.8	57
65	Tetranuclear Complexes as Intermediates in Transannular Oxidative-Addition Reactions. Structure of the First Tetrairidium Linear Cluster. Angewandte Chemie International Edition in English, 1988, 27, 402-403.	4.4	57
66	Bis-alkynyl- and hydrido-alkynyl-osmium(II) and ruthenium(II) complexes containing triisopropylphosphine as ligand. Journal of Organometallic Chemistry, 1989, 366, 187-196.	1.8	57
67	Hydrogenation of benzylideneacetone catalyzed by OsHCl(CO)(PR3)2 (PR3 = P-iso-Pr3, PMe-tert-Bu2): new roles of dihydrogen complexes in homogeneous catalytic hydrogenation. Organometallics, 1992, 11, 3362-3369.	2.3	57
68	Hydride Exchange Processes in the Coordination Sphere of Transition Metal Complexes:â€‰ The OsH3(BH4)(PR3)2 System. Journal of the American Chemical Society, 1996, 118, 8388-8394.	13.7	57
69	Rhodium complexes of the binucleating ligands pyridine-2-thiolate and benzothiazole-2-thiolate. Crystal structures of [{Rh(Âµ-SC5H4N)(CO)2}2] and [{Rh(Âµ-SC5H4N)(tfbb)}2]Â·Me2CO (tfbb =) Tj ETQq1 1 0.784314 rgBT /Overlo		
70	Addition of CH3CO2H and HBF4 to Alkynyl Complexes of Ruthenium(II) and Osmium(II). Organometallics, 1994, 13, 1669-1678.	2.3	56
71	New Cyclopentadienylosmium Derivatives Prepared from the Five-Coordinate Complex [OsHCl(CO)(PPri3)2]. Organometallics, 1996, 15, 878-881.	2.3	56
72	Chiral rhodium complexes as catalysts in Dielsâ€“Alder reactions. Chemical Communications, 1996, , 1247-1248.	4.1	56

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73	Dynamic Behavior in Solution of the Transâ€Hydridodihydrogen Complex [OsHCl(n²â€H₂)(CO)(PiPr₃)₂]: Ab Initio and NMR Studies. Chemistry - A European Journal, 1996, 2, 815-825.	3.3	56
74	Synthesis, Characterization, Properties, and Asymmetric Catalytic Dielsâ^'Alder Reactions of Chiral-at-Metal Iminoâ^'Iridium(III) Complexes. Organometallics, 1998, 17, 2986-2995.	2.3	56
75	Competitive Reaction Pathways in the Addition of Phenylacetylene to Diamidonaphthalene-Bridged Diiridium Complexesâ€. Organometallics, 1999, 18, 1125-1136.	2.3	56
76	Iminoâ^'Rhodium(III) and â^'Ruthenium(II) Compounds with Stereogenic Metal Centers. Organometallics, 1999, 18, 3364-3371.	2.3	56
77	Rhodium wires based on binuclear acetate-bridged complexes. Inorganic Chemistry Communication, 2001, 4, 19-22.	3.9	56
78	Mechanistic Considerations on Homogeneously Catalyzed Formic Acid Dehydrogenation. European Journal of Inorganic Chemistry, 2018, 2018, 2125-2138.	2.0	56
79	Tris(pyrazol-1-yl)methane-rhodium(I) and -iridium(I) complexes; cyrstal structure of [Rh(COD)(tpzm)][RhCl2(COD)]Â·3CHCl3. Journal of Organometallic Chemistry, 1988, 344, 93-108.	1.8	55
80	Synthesis and reactions of dihydrido(triethylsilyl)(1,5-cyclooctadiene)iridium(III) complexes: catalysts for dehydrogenative silylation of alkenes. Organometallics, 1986, 5, 1519-1520.	2.3	54
81	Syntheses, Spectroscopic Characterizations, and X-ray Structures of New Os(.eta.2-H2) Compounds Containing Azole Ligands. Inorganic Chemistry, 1994, 33, 787-792.	4.0	54
82	Catalytic transfer hydrogenation by cationic rhodium(I) complexes. Journal of Organometallic Chemistry, 1981, 214, 399-404.	1.8	53
83	Reactions of Osmium Hydride Complexes with Terminal Alkynes: Synthesis and Catalytic Activity of OsH(.eta.2-O2CCH3)(C:CHPh)(PiPr3)2. Organometallics, 1994, 13, 1507-1509.	2.3	53
84	Mechanistic Investigations of Imine Hydrogenation Catalyzed by Cationic Iridium Complexes. Chemistry - A European Journal, 2006, 12, 4043-4056.	3.3	53
85	Cationic Rhodium Complexes with Hemilabile Phosphine Ligands as Polymerization Catalyst for High Molecular Weight Stereoregular Poly(phenylacetylene). Macromolecules, 2009, 42, 8146-8156.	4.8	53
86	Hydroxoâ€“Rhodiumâ€“N-Heterocyclic Carbene Complexes as Efficient Catalyst Precursors for Alkyne Hydrothiolation. ACS Catalysis, 2013, 3, 2910-2919.	11.2	53
87	CO₂ Activation and Catalysis Driven by Iridium Complexes. ChemCatChem, 2013, 5, 3481-3494.	3.7	53
88	Rhodium(I)-N-Heterocyclic Carbene Catalyst for Selective Coupling ofN-Vinylpyrazoles with Alkynes via Câ€“H Activation. ACS Catalysis, 2014, 4, 4244-4253.	11.2	53
89	The reduction of Î±,Î²-unsaturated ketones and cyclohexadienes catalyzed by mhcl(CO)(PiPr3)2 (M = Ru,) Tj ETQq1 1 0.784314 rgBT	1.2	52
90	Oxidative Addition of Group 14 Element Hydrido Compounds to OsH2(Î·2-CH2CHEt)(CO)(PiPr3)2:Â Synthesis and Characterization of the First Trihydridoâ^'Silyl, Trihydridoâ^'Germyl, and Trihydridoâ^'Stannyl Derivatives of Osmium(IV). Inorganic Chemistry, 1996, 35, 1250-1256.	4.0	52

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91	Hydrosilylation of Terminal Alkynes Catalyzed by a ONO-Pincer Iridium(III) Hydride Compound: Mechanistic Insights into the Hydrosilylation and Dehydrogenative Silylation Catalysis. Organometallics, 2016, 35, 2410-2422.	2.3	52
92	The reactions of [Ru3(CO)12] with nitrogen-containing heterocycles. Crystal structures of [Ru3(Âμ-H)(Âμ3-ppy)(CO)9] and [Ru3(Âμ-napy)(Âμ-CO)3(CO)7]. Journal of the Chemical Society Dalton Transactions, 1988, , 1437-1444.	1.1	51
93	Hydrolysis and Methanolysis of Silanes Catalyzed by Iridium(III) Bis-N-Heterocyclic Carbene Complexes: Influence of the Wingtip Groups. Organometallics, 2015, 34, 2378-2385.	2.3	51
94	Synthesis and hydroformylation reaction of dinuclear rhodium(I) complexes with mixed bridging ligands. X-Ray structure of [Rh2(Âμ-pz)(Âμ-SBut)(CO)2{P(OMe)3}2]. Journal of the Chemical Society Dalton Transactions, 1988, , 1523-1528.	1.1	50
95	Synthesis, X-ray structure, and nuclear magnetic resonance (1H and 13C) studies of ruthenium(II) complexes containing pyrazolyl ligands. Journal of the Chemical Society Dalton Transactions, 1990, , 1463.	1.1	50
96	Synthesis and properties of rhodium(I) chloranilate and 2,5-dihydroxy-1,4-benzoquinonate complexes. Crystal structures of the binuclear [Rh2(.mu.-CA)(cod)2] and tetranuclear [Rh4(.mu.-CA)2(cod)4] complexes (CA = chloranilate anion). Inorganic Chemistry, 1993, 32, 1147-1152.	4.0	50
97	Efficient catalysts for telomerization of butadiene with amines. Tetrahedron Letters, 2007, 48, 9203-9207.	1.4	50
98	Mechanism of the hydrogenation of phenylacetylene catalyzed by [Ir(COD)(.eta.2iso-Pr2PCH2CH2OMe)]BF4. Organometallics, 1993, 12, 1823-1830.	2.3	48
99	Dynamic Behavior, Redistribution Reactions, and Intermetallic Distances of Dinuclear Bis(Î¼-pyrazolato)rhodium(I) Complexes. Organometallics, 1996, 15, 2967-2978.	2.3	48
100	Iridium and rhodium complexes with tetrafluorobenzobarrelene diolefins. Coordination Chemistry Reviews, 1999, 193-195, 557-618.	18.8	48
101	Dehalogenation of Polychloroarenes with HSiEt3 Catalyzed by an Homogeneous Rhodiumâ^'Triphenylphosphine System. Organometallics, 1999, 18, 1110-1112.	2.3	48
102	Double hydrophosphination of alkynes promoted by rhodium: the key role of an N-heterocyclic carbene ligand. Chemical Communications, 2016, 52, 5554-5557.	4.1	48
103	Reactivity of MH(.eta.2-H2BH2)(CO)(PiPr3)2 (M = osmium, ruthenium) toward electrophiles: synthesis of new hydridocarbonylosmium(II) and -ruthenium(II) complexes containing triisopropylphosphine as ligand. Inorganic Chemistry, 1992, 31, 5580-5587.	4.0	47
104	Rhodium and Iridium Pyrazolato Blues. Angewandte Chemie - International Edition, 1998, 37, 1542-1545.	13.8	47
105	Activation of a vinyl carbonâ€“hydrogen bond in a tris(pyrazolyl)boratoiridium complex. The X-ray crystal structure of [IrH{HB(pz)3}(Ïƒ-C8H13)(Î·2-C8H14)]. Journal of the Chemical Society Dalton Transactions, 1989, , 2073-2076.	1.1	46
106	Liquid-crystal behavior in ionic complexes of silver(I): molecular structure-mesogenic activity relationship. Chemistry of Materials, 1990, 2, 748-758.	6.7	46
107	Pyridineâ€Enhanced Headâ€toâ€Tail Dimerization of Terminal Alkynes by a Rhodiumâ€“Nâ€Heterocyclicâ€Carbene Catalyst. Chemistry - A European Journal, 2013, 19, 15304-15314.	3.3	46
108	Prototropism in (Pentamethylcyclopentadienyl)iridium Complexes with Pyrazole Ligands. Angewandte Chemie International Edition in English, 1986, 25, 1114-1115.	4.4	45

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109	Synthesis and reactions of new hydridosilyliridium(III) complexes containing the diolefin tetrafluorobenzobarrelene. Organometallics, 1993, 12, 3264-3272.	2.3	45
110	Preparation and Spectroscopic and Theoretical Characterization of the Tetrahydroborate Complex OsH3(.eta.2-H2BH2)(P-i-Pr3)2. Inorganic Chemistry, 1994, 33, 3609-3611.	4.0	45
111	Preparation, properties, and reactivity of dihydridosilyl(.eta.4-cycloocta-1,5-diene)iridium(III) complexes. X-ray crystal structures of the dihydrido silyl complex IrH2(SiEt3)(.eta.4-C8H12)(AsPh3) and the cyclooctenyl derivative Ir(1-.sigma.,4,5-.eta.2-C8H13)(CO)2(AsPh3). Organometallics, 1987, 6, 1751-1756.	2.3	44
112	Pyrazolate bridged ruthenium(I) complexes. A convenient synthesis of ruthenium(I) compounds. The X-ray structure of bis-Î¼-(3,5-dimethylpyrazolate)bis(tricarbonyl-ruthenium(I)) (Ruî—¸Ru). Journal of Organometallic Chemistry, 1987, 322, C16-C20.	1.8	44
113	Synthesis, Structure, and Bonding of the Unusual Î¼-Ïƒ,Ïƒ-Allenylidene Complex [Rh2(Î¼-OOCCH3)(Î¼-Ïƒ,Ïƒ-CCCPh2)(CO)2(PCy3)2]BF4. Organometallics, 1996, 15, 3556-3562.	2.3	44
114	Binuclear Oxidative Addition of Hydrogen in Diamidonaphthalene-Bridged Diiridium Complexes. Chemistry - A European Journal, 1998, 4, 1398-1410.	3.3	44
115	Discrete Mixed-Valence Metal Chains: Iridium Pyridonate Blues The generous financial support from DGES and MCyT-PNI (Projects PB98-641 and BQU2000-1170) is gratefully acknowledged.. Angewandte Chemie - International Edition, 2001, 40, 4084.	13.8	44
116	Chiral Phosphinooxazolineâ^'Ruthenium(II) and â^'Osmium(II) Complexes as Catalysts in Dielsâ^'Alder Reactions. Organometallics, 2006, 25, 1592-1606.	2.3	44
117	Mechanistic Investigations of Imine Hydrogenation Catalyzed by Dinuclear Iridium Complexes. Chemistry - A European Journal, 2006, 12, 4057-4068.	3.3	44
118	A well-defined NHCâ€“Ir(iii) catalyst for the silylation of aromatic Câ€“H bonds: substrate survey and mechanistic insights. Chemical Science, 2017, 8, 4811-4822.	7.4	44
119	Non-classical hydrosilane mediated reductions promoted by transition metal complexes. Coordination Chemistry Reviews, 2019, 386, 240-266.	18.8	44
120	Synthesis, characterization and molecular structure of the hydroperoxo complex [(Î·5C5Me5)Ir(Âµ-pz)3Rh(OOH)(dppe)][BF4]; Hpz = pyrazole, dppe Î² 1,2-bis(diphenylphosphino)ethane. Journal of the Chemical Society Chemical Communications, 1994, , 575-576.	2.0	43
121	Hydrosilylation of phenylacetylene catalyzed by [Ir(COD)(Î·2-iPr2PCH2CH2OMe)][BF4]. Journal of Organometallic Chemistry, 1995, 487, 143-149.	1.8	43
122	Synthesis of Butadiene-Osmium(0) and -Ruthenium(0) Complexes by Reductive Carbon-Carbon Coupling of Two Alkenyl Fragments. Organometallics, 1995, 14, 4825-4831.	2.3	43
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