Martin Albrecht

List of Publications by Year
in descending order

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210 papers	16,598 citations	20797 60 h-index	16636 123 g-index
238 all docs	238 docs citations	238 times ranked	8974 citing authors

#	Article	IF	Citations
1	Platinum Group Organometallics Based on â€œPincerâ€•Complexes: Sensors, Switches, and Catalysts. Angewandte Chemie - International Edition, 2001, 40, 3750-3781.	7.2	1,498
2	Beyond ConventionalN-Heterocyclic Carbenes: Abnormal, Remote, and Other Classes of NHC Ligands with Reduced Heteroatom Stabilization. Chemical Reviews, 2009, 109, 3445-3478.	23.0	998
3	Cyclometalation Using d-Block Transition Metals: Fundamental Aspects and Recent Trends. Chemical Reviews, 2010, 110, 576-623.	23.0	697
4	Beyond catalysis: N-heterocyclic carbene complexes as components for medicinal, luminescent, and functional materials applications. Chemical Society Reviews, 2010, 39, 1903.	18.7	682
5	Organoplatinum crystals for gas-triggered switches. Nature, 2000, 406, 970-974.	13.7	520
6	1,2,3-Triazolylidenes as Versatile Abnormal Carbene Ligands for Late Transition Metals. Journal of the American Chemical Society, 2008, 130, 13534-13535.	6.6	373
7	Palladium Complexes with Tridentate Pincer Bis-Carbene Ligands as Efficient Catalysts for Câ^'C Coupling. Organometallics, 2002, 21, 700-706.	1.1	364
8	Mesoionic and Related Less Heteroatom-Stabilized N-Heterocyclic Carbene Complexes: Synthesis, Catalysis, and Other Applications. Chemical Reviews, 2018, 118, 9493-9586.	23.0	360
9	Application of 1,2,3-triazolylidenes as versatile NHC-type ligands: synthesis, properties, and application in catalysis and beyond. Chemical Communications, 2013, 49, 1145-1159.	2.2	345
10	Water Oxidation Catalyzed by Strong Carbeneâ€Type Donorâ€Ligand Complexes of Iridium. Angewandte Chemie - International Edition, 2010, 49, 9765-9768.	7.2	342
11	Abnormal binding in a carbene complex formed from an imidazolium salt and a metal hydride complex. Chemical Communications, 2001, , 2274.	2.2	329
12	Abnormal Ligand Binding and Reversible Ring Hydrogenation in the Reaction of Imidazolium Salts with IrH5(PPh3)2. Journal of the American Chemical Society, 2002, 124, 10473-10481.	6.6	328
13	Chelated Iridium(III) Bis-carbene Complexes as Air-Stable Catalysts for Transfer Hydrogenation. Organometallics, 2002, 21, 3596-3604.	1.1	315
14	Tridentate Carbene CCC and CNC Pincer Palladium(II) Complexes:Â Structure, Fluxionality, and Catalytic Activity. Organometallics, 2001, 20, 5485-5488.	1.1	299
15	C4-bound imidazolylidenes: from curiosities to high-impact carbene ligands. Chemical Communications, 2008, , 3601.	2.2	244
16	Oxidations and Oxidative Couplings Catalyzed by Triazolylidene Ruthenium Complexes. Organometallics, 2011, 30, 1162-1167.	1.1	236
17	Diagnostic Organometallic and Metallodendritic Materials for SO2 Gas Detection: Reversible Binding of Sulfur Dioxide to Arylplatinum(II) Complexes. Chemistry - A European Journal, 2000, 6, 1431-1445.	1.7	190
18	Chelating bis-carbene rhodium(iii) complexes in transfer hydrogenation of ketones and iminesElectronic supplementary information (ESI) available: spectroscopic data for the rhodium(iii) complexes. See http://www.rsc.org/suppdata/cc/b1/b109491b/. Chemical Communications, 2002, , 32-33.	2.2	186

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19	Piano-Stool Iron(II) Complexes as Probes for the Bonding of N-Heterocyclic Carbenes:â€‰ Indications for Ï€-Acceptor Ability. Organometallics, 2006, 25, 5648-5656.	1.1	185
20	Bis-carbene complexes from oxidative addition of imidazolium Câ€“H bonds to palladium(0). Dalton Transactions RSC, 2002, , 2163-2167.	2.3	162
21	PEPPSIâ€Type Palladium Complexes Containing Basic 1,2,3â€Triazolylidene Ligands and Their Role in Suzukiâ€“Miyaura Catalysis. Chemistry - A European Journal, 2012, 18, 6055-6062.	1.7	150
22	Neutral Ligands with Exceptional Donor Ability for Palladiumâ€Catalyzed Alkene Hydrogenation. Angewandte Chemie - International Edition, 2007, 46, 6293-6296.	7.2	142
23	Tunable single-site ruthenium catalysts for efficient water oxidation. Chemical Communications, 2011, 47, 8058.	2.2	139
24	Synthesis and Tunability of Abnormal 1,2,3-Triazolylidene Palladium and Rhodium Complexes. Organometallics, 2011, 30, 1021-1029.	1.1	127
25	Carbene Transfer from Triazolylidene Gold Complexes as a Potent Strategy for Inducing High Catalytic Activity. Journal of the American Chemical Society, 2013, 135, 13193-13203.	6.6	125
26	Chelating NHC Ruthenium(II) Complexes as Robust Homogeneous Hydrogenation Catalysts. Organometallics, 2009, 28, 5112-5121.	1.1	123
27	Cleavage of unreactive bonds with pincer metal complexes. Dalton Transactions, 2011, 40, 8733.	1.6	123
28	Transcyclometalation Processes with Late Transition Metals:â€‰ Carylâ€H Bond Activation via Noncovalent Câ€HÂ·Â·Â·Interactions. Journal of the American Chemical Society, 2000, 122, 11822-11833.	6.6	116
29	Rhodium(III) Complexes Containing C4-Bound N-Heterocyclic Carbenes: Synthesis, Coordination Chemistry, and Catalytic Activity in Transfer Hydrogenation. Organometallics, 2008, 27, 3161-3171.	1.1	110
30	Probing the potential of N-heterocyclic carbenes in molecular electronics: redox-active metal centers interlinked by a rigid ditopic carbene ligand. Dalton Transactions, 2008, , 5570.	1.6	110
31	Synthesis, Photo-, and Electrochemistry of Ruthenium Bis(bipyridine) Complexes Comprising a N-heterocyclic Carbene Ligand. Inorganic Chemistry, 2013, 52, 5395-5402.	1.9	106
32	Bifunctional Pincer-type Organometallics as Substrates for Organic Transformations and as Novel Building Blocks for Polymetallic Materials. Journal of the American Chemical Society, 2002, 124, 5127-5138.	6.6	105
33	Abnormal N-heterocyclic Carbenes: More than Just Exceptionally Strong Donor Ligands. Australian Journal of Chemistry, 2011, 64, 1113.	0.5	103
34	Carbene iridium complexes for efficient water oxidation: scope and mechanistic insights. Energy and Environmental Science, 2014, 7, 2316-2328.	15.6	102
35	NHC-Based Iridium Catalysts for Hydrogenation and Dehydrogenation of N-Heteroarenes in Water under Mild Conditions. ACS Catalysis, 2018, 8, 17-21.	5.5	102
36	On the Electronic Impact of Abnormal C4â€Bonding in Nâ€Heterocyclic Carbene Complexes. Chemistry - A European Journal, 2009, 15, 9375-9386.	1.7	101

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37	Photolytic water oxidation catalyzed by a molecular carbene iridium complex. Dalton Transactions, 2012, 41, 13074.	1.6	94
38	Chiral platinum and palladium complexes containing functionalized C2-symmetric bisaminoaryl â€˜Pincerâ€™ ligands. Journal of Organometallic Chemistry, 2001, 624, 271-286.	0.8	92
39	Synthesis and catalytic alcohol oxidation and ketone transfer hydrogenation activity of donor-functionalized mesoionic triazolylidene ruthenium(<scp>ii</scp>) complexes. Dalton Transactions, 2014, 43, 4462-4473.	1.6	91
40	New Peptide Labels Containing Covalently Bonded Platinum(II) Centers as Diagnostic Biomarkers and Biosensors. Organic Letters, 2000, 2, 3461-3464.	2.4	86
41	Outer sphere anion participation can modify the mechanism for conformer interconversion in Pd pincer complexes. Dalton Transactions, 2003, , 831-838.	1.6	84
42	Main-chain organometallic polymers comprising redox-active iron(ii) centers connected by ditopic N-heterocyclic carbenes. Dalton Transactions, 2009, , 7168.	1.6	83
43	Circularly Polarized Lanthanide Luminescence from Langmuirâ€“Blodgett Films Formed from Optically Active and Amphiphilic Eu^{III}â€Based Selfâ€Assembly Complexes. Angewandte Chemie - International Edition, 2012, 51, 704-708.	7.2	83
44	Gas Sensor Materials Based on Metallodendrimers. Advanced Materials, 1999, 11, 171-174.	11.1	81
45	Synthesis, Structural Diversity, and Ligandâ€Transfer Potential of (Carbene)copper(I) Complexes. Helvetica Chimica Acta, 2009, 92, 1034-1045.	1.0	79
46	Transfer Hydrogenation of Ketones and Activated Olefins Using Chelating NHC Ruthenium Complexes. European Journal of Inorganic Chemistry, 2011, 2011, 2863-2868.	1.0	74
47	Substantial Improvement of Pyridine-Carbene Iridium Water Oxidation Catalysts by a Simple Methyl-to-Octyl Substitution. ACS Catalysis, 2015, 5, 2714-2718.	5.5	74
48	Expanding the family of mesoionic complexes: donor properties and catalytic impact of palladated isoxazolylidenes. Dalton Transactions, 2010, 39, 5213.	1.6	71
49	Transition metal bioconjugates with an organometallic link between the metal and the biomolecular scaffold. Coordination Chemistry Reviews, 2013, 257, 2420-2433.	9.5	71
50	Pyridine-Derived N-Heterocyclic Carbenes: An Experimental and Theoretical Evaluation of the Bonding in and Reactivity of Selected Normal and Abnormal Complexes of Nickel(II) and Palladium(II). Organometallics, 2010, 29, 5821-5833.	1.1	69
51	Transfer hydrogenation of unfunctionalised alkenes using N-heterocyclic carbene ruthenium catalyst precursors. Chemical Communications, 2011, 47, 8802.	2.2	67
52	Regioselective Electrophilic Câ€“H Bond Activation in Triazolylidene Metal Complexes Containing a N-Bound Phenyl Substituent. Organometallics, 2012, 31, 8414-8419.	1.1	67
53	Catalytic and Organometallic Chemistry of Earth-Abundant Metals. Organometallics, 2014, 33, 5619-5621.	1.1	67
54	Multiple Use of Soluble Metallodendritic Materials as Catalysts and Dyes. Chemistry - A European Journal, 2001, 7, 1289-1294.	1.7	66

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55	Self-assembled organoplatinum(II) supermolecules as crystalline, SO2 gas-triggered switchesâ€Šâ€. Dalton Transactions RSC, 2000, , 3797-3804.	2.3	65
56	Room-temperature spin crossover and Langmuirâ€“Blodgett film formation of an iron(ii) triazole complex featuring a long alkyl chain substituent: the tail that wags the dog. Chemical Communications, 2010, 46, 6464.	2.2	65
57	Careniumâ^'CalkylBond Making and Breaking:Â Key Process in the Platinum-Mediated Carylâ^'CalkylBond Formation. Analogies to Organic Electrophilic Aromatic Substitution. Journal of the American Chemical Society, 2001, 123, 7233-7246.	6.6	62
58	Mild and rational synthesis of palladium complexes comprising C(4)-bound N-heterocyclic carbenes. Chemical Communications, 2006, , 4495.	2.2	60
59	Transcyclometalation:Â A Novel Route to (Chiral) Bis-Ortho-Chelated Bisphosphinoaryl Ruthenium(II) Complexes. Organometallics, 2000, 19, 4468-4476.	1.1	59
60	Catalytically active palladium pyridylidene complexes: pyridinium ionic liquids as N-heterocyclic carbene precursors. Chemical Communications, 2005, , 4705.	2.2	58
61	Piano-stool N-heterocyclic carbene iron complexes: Synthesis, reactivity and catalytic applications. Coordination Chemistry Reviews, 2017, 352, 1-14.	9.5	57
62	Synthesis and structural analysis of palladium biscarbene complexes derived from bisimidazolium ligand precursors. Inorganica Chimica Acta, 2006, 359, 1929-1938.	1.2	56
63	Improved Cooperativity of Spin-Labile Iron(III) Centers by Self-Assembly in Solution. Journal of the American Chemical Society, 2008, 130, 14434-14435.	6.6	56
64	Sulfur dioxide gas detection by reversible Î·1-SO2â€“Pt bond formation as a novel application for periphery functionalised metallo-dendrimersâ€¡. Chemical Communications, 1998, , 1003-1004.	2.2	55
65	Polyoxometalateâ€Based Nâ€Heterocyclic Carbene (NHC) Complexes for Palladiumâ€Mediated Cï£¿C Coupling and Chloroaryl Dehalogenation Catalysis. Chemistry - A European Journal, 2010, 16, 10662-10666.	1.7	55
66	Palladium Carbene Complexes for Selective Alkene Di- and Oligomerization. Organometallics, 2012, 31, 976-986.	1.1	54
67	Enhanced product selectivity promoted by remote metal coordination in acceptor-free alcohol dehydrogenation catalysis. Chemical Communications, 2016, 52, 3344-3347.	2.2	54
68	Triazolylidene Iridium Complexes for Highly Efficient and Versatile Transfer Hydrogenation of Câ•O, Câ•N, and Câ•C Bonds and for Acceptorless Alcohol Oxidation. Inorganic Chemistry, 2017, 56, 11282-11298.	1.9	54
69	Wingtip substituents tailor the catalytic activity of ruthenium triazolylidene complexes in base-free alcohol oxidation. Dalton Transactions, 2013, 42, 7424.	1.6	53
70	Mesoionic Triazolylidene Nickel Complexes: Synthesis, Ligand Lability, and Catalytic Câ€“C Bond Formation Activity. Organometallics, 2014, 33, 5834-5844.	1.1	53
71	Rhodium Carbene Complexes as Versatile Catalyst Precursors for Sïï£¿H Bond Activation. Chemistry - A European Journal, 2012, 18, 652-658.	1.7	52
72	Abnormal Carbenes as Ligands in Transition Metal Chemistry: Curiosities with Exciting Perspectives. Chimia, 2009, 63, 105-110.	0.3	51

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73	[Ru(bpy)₃]²⁺ Analogues Containing an N-Heterocyclic Carbene Ligand. Organometallics, 2010, 29, 6782-6789.	1.1	51
74	Synthesis of Triazolylidene Nickel Complexes and Their Catalytic Application in Selective Aldehyde Hydrosilylation. ACS Catalysis, 2016, 6, 8192-8200.	5.5	50
75	Metal-Mediated Câ^'C Bond Making and Breaking:Â First Direct Evidence for a Reversible Migration of a Benzyl Group along a Metalâ^'Carbon Bond. Journal of the American Chemical Society, 1999, 121, 11898-11899.	6.6	49
76	Detection of ppm quantities of gaseous SO2 by organoplatinum dendritic sites immobilised on a quartz microbalance. Chemical Communications, 2001, , 1874-1875.	2.2	49
77	Palladation of diimidazolium salts at the C4 position: access to remarkably electron-rich palladium(ii) centers. Dalton Transactions, 2008, , 6242.	1.6	49
78	Donorâ€Flexible Nitrogen Ligands for Efficient Iridiumâ€Catalyzed Water Oxidation Catalysis. Chemistry - A European Journal, 2016, 22, 6740-6745.	1.7	49
79	Triazolylidene Iron(II) Piano-Stool Complexes: Synthesis and Catalytic Hydrosilylation of Carbonyl Compounds. Organometallics, 2017, 36, 2902-2913.	1.1	49
80	Mechanistic Aspects of the Reversible Binding of SO2on Arylplatinum Complexes:Â Experimental and ab Initio Studies. Inorganic Chemistry, 2001, 40, 850-855.	1.9	48
81	Abnormal NHC Palladium Complexes: Synthesis, Structure, and Reactivity. Current Organic Chemistry, 2011, 15, 3325-3336.	0.9	48
82	Synthesis and catalytic applications of 1,2,3-triazolylidene gold(<scp>i</scp>) complexes in silver-free oxazoline syntheses and Câ€“H bond activation. Dalton Transactions, 2016, 45, 14591-14602.	1.6	48
83	Covalently Bonded Platinum(II) Complexes of -Amino Acids and Peptides as a Potential Tool for Protein Labeling. Chemistry - A European Journal, 2002, 8, 5368-5376.	1.7	47
84	Probing Intermetallic Coupling in Dinuclear N-Heterocyclic Carbene Ruthenium(II) Complexes. Inorganic Chemistry, 2011, 50, 8188-8196.	1.9	47
85	Iridium Complexes Containing Mesoionic C Donors: Selective C(sp³)ïŁ¿H versus C(sp²)ïŁ¿H Bond Activation, Reactivity Towards Acids and Bases, and Catalytic Oxidation of Silanes and Water. Chemistry - A European Journal, 2014, 20, 15775-15784.	1.7	47
86	Bimetallic Iridiumâ€“Carbene Complexes with Mesoionic Triazolylidene Ligands for Water Oxidation Catalysis. European Journal of Inorganic Chemistry, 2014, 2014, 708-714.	1.0	47
87	Bonding and Catalytic Application of Ruthenium N-Heterocyclic Carbene Complexes Featuring Triazole, Triazolylidene, and Imidazolylidene Ligands. Organometallics, 2016, 35, 2980-2986.	1.1	46
88	Synthesis, structural, photophysical and electrochemical studies of various d-metal complexes of btp [2,6-bis(1,2,3-triazol-4-yl)pyridine] ligands that give rise to the formation of metallo-supramolecular gels. Dalton Transactions, 2014, 43, 196-209.	1.6	45
89	Adaptive N-Mesoionic Ligands Anchored to a Triazolylidene for Ruthenium-Mediated (De)Hydrogenation Catalysis. Organometallics, 2015, 34, 4076-4084.	1.1	45
90	Synthesis and self-assembly of spin-labile and redox-active manganese(iii) complexes. Dalton Transactions, 2011, 40, 1855.	1.6	44

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91	Normal and Abnormal N-Heterocyclic Carbene Ligands. Advances in Organometallic Chemistry, 2014, 62, 111-158.	0.5	44
92	Solvent-Dependent Switch of Ligand Donor Ability and Catalytic Activity of Ruthenium(II) Complexes Containing Pyridinylidene Amide (PYA) N-Heterocyclic Carbene Hybrid Ligands. Inorganic Chemistry, 2014, 53, 8054-8060.	1.9	43
93	â€œTailâ€•Tuning of Iron(II) Spin Crossover Temperature by 100 K. Inorganic Chemistry, 2015, 54, 2902-2909.	1.9	42
94	Enhanced Catalytic Activity of Iridium(III) Complexes by Facile Modification of C,N-Bidentate Chelating Pyridylideneamide Ligands. Inorganic Chemistry, 2017, 56, 11688-11701.	1.9	41
95	Theoretical investigation of the bonding properties of N-heterocyclic carbenes coordinated to electron-rich d8 metal centers. Journal of Organometallic Chemistry, 2007, 692, 5709-5716.	0.8	40
96	A chelating tetrapeptide rhodium complex comprised of a histidylidene residue: biochemical tailoring of an NHC-Rh hydrosilylation catalyst. Chemical Communications, 2012, 48, 10960.	2.2	40
97	Chelating C4â€Bound Imidazolylidene Complexes through Oxidative Addition of Imidazolium Salts to Palladium(0). European Journal of Inorganic Chemistry, 2012, 2012, 1394-1402.	1.0	40
98	Catalyst design for highly efficient carbon dioxide hydrogenation to formic acid under buffering conditions. Journal of Catalysis, 2020, 385, 1-9.	3.1	40
99	Synthesis and catalytic activity of histidine-based NHC ruthenium complexes. Dalton Transactions, 2011, 40, 2716.	1.6	39
100	Chiral luminescent lanthanide complexes possessing strong (samarium, Sm^{III}) circularly polarised luminescence (CPL), and their self-assembly into Langmuirâ€“Blodgett films. Dalton Transactions, 2019, 48, 11317-11325.	1.6	39
101	Donorâ€Flexible Bis(pyridylidene amide) Ligands for Highly Efficient Rutheniumâ€Catalyzed Olefin Oxidation. Angewandte Chemie - International Edition, 2020, 59, 8932-8936.	7.2	39
102	Carbenes in Action. Science, 2009, 326, 532-533.	6.0	38
103	The Potential of N-Heterocyclic Carbene Complexes as Components for Electronically Active Materials. Chimia, 2010, 64, 184.	0.3	38
104	A magnetic iron(iii) switch with controlled and adjustable thermal response for solution processing. Dalton Transactions, 2012, 41, 3726.	1.6	37
105	Inducing hysteretic spin crossover in solution. Dalton Transactions, 2012, 41, 7461.	1.6	37
106	Mesoionic oxides: facile access from triazolium salts or triazolylidene copper precursors, and catalytic relevance. Chemical Communications, 2012, 48, 6499.	2.2	36
107	Efficient Electronic Communication of Two Ruthenium Centers through a Rigid Ditopic Nâ€Heterocyclic Carbene Linker. Chemistry - A European Journal, 2013, 19, 17517-17527.	1.7	36
108	Carboxylate-Functionalized Mesoionic Carbene Precursors: Decarboxylation, Ruthenium Bonding, and Catalytic Activity in Hydrogen Transfer Reactions. Organometallics, 2016, 35, 2256-2266.	1.1	36

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109	Smooth C(alkyl)â€“H bond activation in rhodium complexes comprising abnormal carbene ligands. Dalton Transactions, 2011, 40, 9911.	1.6	35
110	Methyltransferase Activity of an Iridium Center with Methylpyridinium as Methylene Source. Angewandte Chemie - International Edition, 2011, 50, 9969-9972.	7.2	35
111	Inducing Spin Crossover in Amphiphilic Iron(III) Complexes. European Journal of Inorganic Chemistry, 2010, 2010, 675-679.	1.0	33
112	Rhodium-mediated activation of an alkane-type Câ€“H bond. Chemical Communications, 2010, 46, 315-317.	2.2	33
113	Platinum(ii) and platinum(iv) complexes stabilized by abnormal/mesoionic C4-bound dicarbenes. Dalton Transactions, 2013, 42, 4197-4207.	1.6	32
114	Effects of histidin-2-ylidene vs. imidazol-2-ylidene ligands on the anticancer and antivascular activity of complexes of ruthenium, iridium, platinum, and gold. Journal of Inorganic Biochemistry, 2016, 163, 221-228.	1.5	32
115	Silver(i) NHC mediated Câ€“C bond activation of alkyl nitriles and catalytic efficiency in oxazoline synthesis. Chemical Communications, 2015, 51, 8699-8701.	2.2	31
116	Z-Selective alkyne semi-hydrogenation catalysed by piano-stool N-heterocyclic carbene iron complexes. Catalysis Science and Technology, 2018, 8, 2779-2783.	2.1	31
117	Modular Pincer-type Pyridylidene Amide Ruthenium(II) Complexes for Efficient Transfer Hydrogenation Catalysis. Inorganic Chemistry, 2018, 57, 11761-11774.	1.9	31
118	Palladium Complexes Containing Potentially Chelating Pyridylideneâ€Type Carbene Ligands. European Journal of Inorganic Chemistry, 2009, 2009, 1871-1881.	1.0	30
119	Near Infrared (NIR) Lanthanide Emissive Langmuirâ€“Blodgett Monolayers Formed Using Nd(III) Directed Self-Assembly Synthesis of Chiral Amphiphilic Ligands. Langmuir, 2013, 29, 11506-11515.	1.6	30
120	Transcyclometalation, a versatile methodology for multiple metalâ€“carbon bond formation with multisite ligands. Chemical Communications, 2002, , 126-127.	2.2	29
121	N-Heterocyclic carbene bonding to cobalt porphyrin complexes. Inorganica Chimica Acta, 2012, 380, 90-95.	1.2	29
122	Ligand Exchange and Redox Processes in Iridium Triazolylidene Complexes Relevant to Catalytic Water Oxidation. Inorganic Chemistry, 2014, 53, 12896-12901.	1.9	29
123	Synthesis, Isomerization, and Catalytic Transfer Hydrogenation Activity of Rhodium(III) Complexes Containing Both Chelating Dicarbenes and Diphosphine Ligands. Organometallics, 2015, 34, 5723-5733.	1.1	29
124	Carbohydrate-Functionalized 1,2,3-Triazolylidene Complexes for Application in Base-Free Alcohol and Amine Oxidation. Inorganic Chemistry, 2017, 56, 12410-12420.	1.9	29
125	Optimization of Synthetically Versatile Pyridylidene Amide Ligands for Efficient Iridiumâ€Catalyzed Water Oxidation. Chemistry - A European Journal, 2018, 24, 6386-6398.	1.7	29
126	Modulating the Steric, Electronic, and Catalytic Properties of Cp* Ruthenium Half-Sandwich Complexes with Î²-Diketiminato Ligands. Organometallics, 2011, 30, 6119-6132.	1.1	28

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127	Controlling the Selectivity of Câ€“H Activation in Pyridinium Triazolylidene Iridium Complexes: Mechanistic Details and Influence of Remote Substituents. Organometallics, 2015, 34, 858-869.	1.1	28
128	Springloaded porphyrin NHC hybrid rhodium(iii) complexes: carbene dissociation and oxidation catalysis. Chemical Communications, 2014, 50, 3488.	2.2	27
129	Influence of the Linker Length and Coordination Mode of (Di)Triazolylidene Ligands on the Structure and Catalytic Transfer Hydrogenation Activity of Iridium(III) Centers. Organometallics, 2017, 36, 1580-1590.	1.1	27
130	Hexakis(PCP-Platinum and -Ruthenium) Complexes by the Transcyclometalation Reaction and Their Use in Catalysis. Advanced Synthesis and Catalysis, 2002, 344, 1135-1141.	2.1	26
131	(Di)triazolylidene manganese complexes in catalytic oxidation of alcohols to ketones and aldehydes. Catalysis Science and Technology, 2019, 9, 2421-2425.	2.1	26
132	Toward Organometallic Polymers with High Directionality Containing Bis-ortho-Chelating Ligands. Organometallics, 2001, 20, 1024-1027.	1.1	25
133	Towards Langmuirâ€“Blodgett films of magnetically interesting materials: solution equilibria in amphiphilic iron(ii) complexes of a triazole-containing ligand. Dalton Transactions, 2010, 39, 3751.	1.6	25
134	Peptide-tethered monodentate and chelating histidylidene metal complexes: synthesis and application in catalytic hydrosilylation. Dalton Transactions, 2013, 42, 5655.	1.6	25
135	Synthesis of pincer-type N-heterocyclic carbene palladium complexes with a hemilabile ligand and their application in cross-coupling catalysis. Journal of Organometallic Chemistry, 2014, 771, 33-39.	0.8	25
136	A mesoionic nitrogen-donor ligand: structure, iridium coordination, and catalytic effects. Dalton Transactions, 2018, 47, 659-662.	1.6	25
137	Synthesis, hemilability, and catalytic transfer hydrogenation activity ofÂiridium(III) and ruthenium(II) complexes containing oxygen-functionalised triazolylidene ligands. Journal of Organometallic Chemistry, 2017, 845, 196-205.	0.8	24
138	Ruthenium(0) complexes with triazolylidene spectator ligands: Oxidative activation for (de)hydrogenation catalysis. Journal of Organometallic Chemistry, 2015, 793, 256-262.	0.8	23
139	Transfer Hydrogenation Catalysis by a N-Heterocyclic Carbene Iridium Complex on a Polyoxometalate Platform. European Journal of Inorganic Chemistry, 2014, 2014, 2356-2360.	1.0	22
140	Carbohydrate-functionalized N-heterocyclic carbene Ru(<scp>ii</scp>) complexes: synthesis, characterization and catalytic transfer hydrogenation activity. Dalton Transactions, 2019, 48, 11838-11847.	1.6	22
141	Iridium Water Oxidation Catalysts Based on Pyridineâ€Carbene Alkylâ€Substituted Ligands. ChemCatChem, 2019, 11, 5353-5361.	1.8	22
142	Catalytic Hydrogenation Using Abnormal Nâ€Heterocyclic Carbene Palladium Complexes: Catalytic Scope and Mechanistic Insights. ChemCatChem, 2011, 3, 167-173.	1.8	21
143	Predictable adjustment of spin crossover temperature in solutions of iron(<scp>iii</scp>) complexes functionalized with alkyl-urea tails. Journal of Materials Chemistry C, 2015, 3, 7883-7889.	2.7	21
144	Synthesis, Stability, and (De)hydrogenation Catalysis by Normal and Abnormal Alkene- and Picolyl-Tethered NHC Ruthenium Complexes. Organometallics, 2019, 38, 2624-2635.	1.1	21

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145	Versatile bonding and coordination modes of ditriazolylidene ligands in rhodium(<scp>iii</scp>) and iridium(<scp>iii</scp>) complexes. Dalton Transactions, 2016, 45, 15859-15871.	1.6	20
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