

Karl Kirchner

List of Publications by Year in descending order

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9,816
citations

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55
h-index

54797

84
g-index

318
all docs

318
docs citations

318
times ranked

5918
citing authors

#	ARTICLE	IF	CITATIONS
1	Modularly Designed Transition Metal PNP and PCP Pincer Complexes based on Aminophosphines: Synthesis and Catalytic Applications. <i>Accounts of Chemical Research</i> , 2008, 41, 201-213.	7.6	476
2	Sustainable Synthesis of Quinolines and Pyrimidines Catalyzed by Manganese PNP Pincer Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 15543-15546.	6.6	300
3	Isoelectronic Manganese and Iron Hydrogenation/Dehydrogenation Catalysts: Similarities and Divergences. <i>Accounts of Chemical Research</i> , 2018, 51, 1558-1569.	7.6	214
4	Divergent Coupling of Alcohols and Amines Catalyzed by Isoelectronic Hydride Mn ^I and Fe ^{II} PNP Pincer Complexes. <i>Chemistry - A European Journal</i> , 2016, 22, 12316-12320.	1.7	212
5	Manganese-Catalyzed Aminomethylation of Aromatic Compounds with Methanol as a Sustainable C1 Building Block. <i>Journal of the American Chemical Society</i> , 2017, 139, 8812-8815.	6.6	177
6	Mechanism for the Cyclotrimerization of Alkynes and Related Reactions Catalyzed by CpRuCl. <i>Journal of the American Chemical Society</i> , 2003, 125, 11721-11729.	6.6	168
7	Stable, Yet Highly Reactive Nonclassical Iron(II) Polyhydride Pincer Complexes: <i>Z</i> -Selective Dimerization and Hydroboration of Terminal Alkynes. <i>Journal of the American Chemical Society</i> , 2017, 139, 8130-8133.	6.6	165
8	Achiral and Chiral Transition Metal Complexes with Modularly Designed Tridentate PNP Pincer-Type Ligands Based on N-Heterocyclic Diamines. <i>Organometallics</i> , 2006, 25, 1900-1913.	1.1	163
9	Carbon dioxide hydrogenation catalysed by well-defined Mn(ⁱ) PNP pincer hydride complexes. <i>Chemical Science</i> , 2017, 8, 5024-5029.	3.7	162
10	Co(II) PCP Pincer Complexes as Catalysts for the Alkylation of Aromatic Amines with Primary Alcohols. <i>Organic Letters</i> , 2016, 18, 3462-3465.	2.4	161
11	Ruthenium-Catalyzed Dimerization of Terminal Alkynes Initiated by a Neutral Vinylidene Complex. <i>Organometallics</i> , 1996, 15, 5275-5277.	1.1	152
12	Efficient and Mild Carbon Dioxide Hydrogenation to Formate Catalyzed by Fe(II) Hydrido Carbonyl Complexes Bearing 2,6-(Diaminopyridyl)diphosphine Pincer Ligands. <i>ACS Catalysis</i> , 2016, 6, 2889-2893.	5.5	145
13	Non-precious metal complexes with an anionic PCP pincer architecture. <i>Dalton Transactions</i> , 2016, 45, 416-439.	1.6	143
14	Ruthenium Tris(pyrazolyl)borate Complexes. 1. Synthesis and Reactivity of Ru(HB(pz) ₃)(COD)X (X = Cl, Tj ETQq0 0 0 rgBT /Overlock 10 3998-4004.	1.1	137
15	Highly Efficient and Selective Hydrogenation of Aldehydes: A Well-Defined Fe(II) Catalyst Exhibits Noble-Metal Activity. <i>ACS Catalysis</i> , 2016, 6, 2664-2672.	5.5	127
16	Enantioselective Transfer Hydrogenation of Ketones Catalyzed by a Manganese Complex Containing an Unsymmetrical Chiral PNP ² Tridentate Ligand. <i>ChemCatChem</i> , 2017, 9, 1744-1748.	1.8	125
17	Efficient Hydrogenation of Ketones and Aldehydes Catalyzed by Well-Defined Iron(II) PNP Pincer Complexes: Evidence for an Insertion Mechanism. <i>Organometallics</i> , 2014, 33, 6905-6914.	1.1	119
18	Chemoselective Hydrogenation of Aldehydes under Mild, Base-Free Conditions: Manganese Outperforms Rhenium. <i>ACS Catalysis</i> , 2018, 8, 4009-4016.	5.5	119

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19	Chemistry of coordinatively unsaturated organoruthenium amidinates as entry to homogeneous catalysis. <i>Coordination Chemistry Reviews</i> , 2003, 245, 177-190.	9.5	104
20	A Modular Approach to Achiral and Chiral Nickel(II), Palladium(II), and Platinum(II) PCP Pincer Complexes Based on Diaminobenzenes. <i>Organometallics</i> , 2006, 25, 3817-3823.	1.1	100
21	Stereospecific and Reversible CO Binding at Iron Pincer Complexes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9142-9145.	7.2	97
22	Selective Formic Acid Dehydrogenation Catalyzed by Fe-PNP Pincer Complexes Based on the 2,6-Diaminopyridine Scaffold. <i>Organometallics</i> , 2016, 35, 3344-3349.	1.1	91
23	Air Stable Iron(II) PNP Pincer Complexes as Efficient Catalysts for the Selective Alkylation of Amines with Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3824-3831.	2.1	89
24	Iron(II) Complexes Bearing Tridentate PNP Pincer-Type Ligands as Catalysts for the Selective Formation of 3-Hydroxyacrylates from Aromatic Aldehydes and Ethyldiazoacetate. <i>Organometallics</i> , 2007, 26, 217-222.	1.1	87
25	Carbon Dioxide Reduction to Methanol Catalyzed by Mn(I) PNP Pincer Complexes under Mild Reaction Conditions. <i>ACS Catalysis</i> , 2019, 9, 632-639.	5.5	81
26	Well-Defined Bifunctional Iron Catalysts for the Hydrogenation of Ketones: Iron, the New Ruthenium. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5798-5800.	7.2	80
27	Hydrogenation of Nitriles and Ketones Catalyzed by an Air-Stable Bisphosphine Mn(I) Complex. <i>Organic Letters</i> , 2018, 20, 7212-7215.	2.4	78
28	[RuCp(PR ₃)(CH ₃ CN) ₂]PF ₆ (R = Ph, Me, Cy). Convenient Precursors for Mixed Ruthenium(II) and Ruthenium(IV) Half-Sandwich Complexes. <i>Organometallics</i> , 1999, 18, 3843-3850.	1.1	76
29	Heterolytic Cleavage of Dihydrogen by an Iron(II) PNP Pincer Complex via Metal-Ligand Cooperation. <i>Organometallics</i> , 2013, 32, 4114-4121.	1.1	75
30	Hydridotris(pyrazolyl)borate ruthenium complexes—properties and applications. <i>Coordination Chemistry Reviews</i> , 1999, 185-186, 109-126.	9.5	74
31	Improved Efficiency of the Ruthenium-Catalyzed Redox Isomerization of Allyl Alcohols. <i>Organometallics</i> , 1999, 18, 4230-4233.	1.1	73
32	Ruthenium-Mediated C-C Coupling Reactions of Alkynes—The Key Role of Ruthenacyclopentatriene Complexes. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 2609-2626.	1.0	73
33	Hydrogen-transfer catalyzed by half-sandwich Ru(II) aminophosphine complexes. Electronic supplementary information (ESI) available: experimental details and NMR data for 1c and 2c. See http://www.rsc.org/suppdata/dt/b1/b104128m/ . <i>Dalton Transactions RSC</i> , 2001, , 2989-2995.	2.3	67
34	Facile Migratory Insertion of a N-Heterocyclic Carbene into a Ruthenium-Carbon Double Bond: A New Type of Reaction of a NHC Ligand. <i>Journal of the American Chemical Society</i> , 2006, 128, 6572-6573.	6.6	67
35	Dinuclear Systems in the Efficient Nickel-Catalyzed Kumada-Tamao-Corriu Cross-Coupling of Aryl Halides. <i>Organometallics</i> , 2017, 36, 255-265.	1.1	67
36	Selective C-C Bond Formation between Alkynes Mediated by the [RuCp(PR ₃) ₃] ⁺ Fragment Leading to Allyl, Butadienyl, and Allenyl Carbene Complexes—An Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2002, 8, 3948-3961.	1.7	66

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37	Rethinking Basic Conceptsâ€”Hydrogenation of Alkenes Catalyzed by Bench-Stable Alkyl Mn(I) Complexes. <i>ACS Catalysis</i> , 2019, 9, 9715-9720.	5.5	65
38	Rhenium-Catalyzed Dehydrogenative Coupling of Alcohols and Amines to Afford Nitrogen-Containing Aromatics and More. <i>Organic Letters</i> , 2019, 21, 1116-1120.	2.4	65
39	[Ru(η -5-C ₅ Me ₅)(Me ₂ NCH ₂ CH ₂ NMe ₂)] ⁺ , a Stable 16-Electron Complex. Reaction with Dioxide and Formation of a Monomeric Hydroxoruthenium Tetramethylfulvene Complex. <i>Organometallics</i> , 1997, 16, 5601-5603.	1.1	63
40	Synthesis and Reactivity of Palladium and Nickel η^2 -Diimine Complexes: Application as Catalysts for Heck, Suzuki, and Hiyama Coupling Reactions. <i>Organometallics</i> , 2005, 24, 3957-3965.	1.1	63
41	Formation of pyridine from acetylenes and nitriles catalyzed by RuCpCl, CoCp, and RhCp derivatives â€” A computational mechanistic study. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4434-4445.	0.8	62
42	Iron(II) Complexes Containing Chiral Unsymmetrical PNPâ€”Pincer Ligands: Synthesis and Application in Asymmetric Hydrogenations. <i>Organometallics</i> , 2016, 35, 3781-3787.	1.1	62
43	Iron(II) Bis(acetylide) Complexes as Key Intermediates in the Catalytic Hydrofunctionalization of Terminal Alkynes. <i>ACS Catalysis</i> , 2018, 8, 7973-7982.	5.5	61
44	Ruthenium-mediated cyclotrimerization of alkynes utilizing the cationic complex [RuCp(CH ₃ CN) ₃]PF ₆ . <i>Journal of Organometallic Chemistry</i> , 2003, 682, 204-211.	0.8	59
45	Chemoselective Supported Ionic-Liquid-Phase (SILP) Aldehyde Hydrogenation Catalyzed by an Fe(II) PNP Pincer Complex. <i>ACS Catalysis</i> , 2018, 8, 1048-1051.	5.5	59
46	The substitution chemistry of RuCp* (temeda)Cl. <i>Monatshefte FÃ¼r Chemie</i> , 1997, 128, 1189-1199.	0.9	58
47	Copper(I)-catalyzed diastereoselective formation of oxazolines and N-sulfonyl-2-imidazolines. <i>Tetrahedron Letters</i> , 2006, 47, 8641-8644.	0.7	58
48	Ruthenium(II) carbonyl complexes containing â€”pincer likeâ€” ONS donor Schiff base and triphenylphosphine as catalyst for selective oxidation of alcohols at room temperature. <i>Journal of Organometallic Chemistry</i> , 2012, 700, 194-201.	0.8	58
49	Air-Stable Triazine-Based Ni(II) PNP Pincer Complexes As Catalysts for the Suzukiâ€”Miyaura Cross-Coupling. <i>Organic Letters</i> , 2016, 18, 3186-3189.	2.4	58
50	Efficient <i>Z</i> -Selective Semihydrogenation of Internal Alkynes Catalyzed by Cationic Iron(II) Hydride Complexes. <i>Journal of the American Chemical Society</i> , 2019, 141, 17452-17458.	6.6	58
51	By What Mechanisms Are Metal Cyclobutadiene Complexes Formed from Alkynes?. <i>Chemistry - A European Journal</i> , 2004, 10, 5860-5870.	1.7	56
52	A critique of Stewartâ€™s approach: the chemical mechanism of dilutional acidosis. <i>Intensive Care Medicine</i> , 2009, 35, 2173-2180.	3.9	56
53	Facile Câ”C Bond Formation between Terminal Acetylenes and Olefines Leading to η^3 -Butadienyl and η^2 -Butadiene Complexes. A New Reaction Pathway for Metallacyclobutane Complexes. <i>Journal of the American Chemical Society</i> , 1998, 120, 6175-6176.	6.6	55
54	Comparing the Isoelectronic Complexes [RuTp(CH ₃ CN) ₃]PF ₆ (Tp = Hydridotris(pyrazolyl)borate) and [RuCp(CH ₃ CN) ₃]PF ₆ . Structure and Acetonitrile Exchange Kinetics. <i>Inorganic Chemistry</i> , 2000, 39, 382-384.	1.9	55

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55	Reactions of the Cationic Fragments [RuCp(PPh ₂ NHR) ₂] ⁺ and [RuTp(PPh ₂ NHR) ₂] ⁺ (R = Ph, n-Pr) with Alkynes: A Formation of Four-Membered Azaphosphacarbenes. <i>Organometallics</i> , 2005, 24, 3561-3575.	1.1	55
56	Striking Differences between the Solution and Solid-State Reactivity of Iron PNP Pincer Complexes with Carbon Monoxide. <i>Organometallics</i> , 2009, 28, 6902-6914.	1.1	55
57	Synthesis and Characterization of Hydrido Carbonyl Molybdenum and Tungsten PNP Pincer Complexes. <i>Organometallics</i> , 2013, 32, 3042-3052.	1.1	55
58	Synthesis, Structure, and Reactivity of Co(II) and Ni(II) PCP Pincer Borohydride Complexes. <i>Organometallics</i> , 2015, 34, 1364-1372.	1.1	55
59	Novel [2+2+1] Cyclootrimerization of Alkynes Mediated by Bidentate Cyclopentadienyl-Phosphine Ruthenium Complexes. <i>Organometallics</i> , 2003, 22, 3164-3170.	1.1	54
60	Synthesis, crystal structures and spectral studies of square planar nickel(II) complexes containing an ONS donor Schiff base and triphenylphosphine. <i>Polyhedron</i> , 2009, 28, 2157-2164.	1.0	54
61	Labile Complexes of the [RuTp(pn)] ⁺ (Tp = Tripyrazolylborate, pn = Ph ₂ PCH ₂ CH ₂ NMe ₂) Fragment Including the Dinitrogen Ligand 1. <i>Inorganic Chemistry</i> , 1997, 36, 1076-1083.	1.9	52
62	Synthesis and Reactivity of RuCp*(η^2 (P,N)-Ph ₂ PCH ₂ CH ₂ NMe ₂)Cl. Chelate-Assisted Methyl C-H Activation and Formation of the Novel Complex [RuCp*(η^3 (P,N,C)-Ph ₂ PCH ₂ CH ₂ N(CH ₂)Me)Cl]BPh ₄ . <i>Organometallics</i> , 1997, 16, 1956-1961.	1.1	50
63	Ruthenium(II) tris(pyrazolyl)borate complexes. A Reversible vinylidene complex formation. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 4209-4216.	1.1	48
64	Ruthenium Tripyrazolylborate Complexes. 9.1 Formation and Characterization of Amidocarbene Complexes. <i>Organometallics</i> , 1998, 17, 827-831.	1.1	48
65	Mechanistic Investigations and Substrate Scope Evaluation of Ruthenium-Catalyzed Direct sp ³ Arylation of Benzylic Positions Directed by 3-Substituted Pyridines. <i>Journal of Organic Chemistry</i> , 2013, 78, 658-672.	1.7	48
66	Coordinatively Unsaturated Ruthenium Phosphine Half-Sandwich Complexes: A Correlations to Structure and Reactivity. <i>Organometallics</i> , 2002, 21, 5334-5346.	1.1	46
67	Irreversible binding of dioxygen and other gases to a half-sandwich ruthenium(II) complex: X-ray structure of [Ru(η^2 -O ₂)(η^5 -C ₅ Me ₅)(Ph ₂ PCH ₂ CH ₂ PPh ₂)]PF ₆ . <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 892-894.	2.0	45
68	Reaction of the RuTp(PR ₃)Cl fragment with alkynols: Formation of carbene, vinylidene, allenylidene, and carbyne complexes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5497-5507.	0.8	44
69	Synthesis and Reactivity of Four- and Five-Coordinate Low-Spin Cobalt(II) PCP Pincer Complexes and Some Nickel(II) Analogues. <i>Organometallics</i> , 2014, 33, 6132-6140.	1.1	44
70	Recent Chemistry Based on the [RuCp(CH ₃ CN) ₃] ⁺ Cation: Reappraisal of an Old Precursor. <i>Monatshefte für Chemie</i> , 2000, 131, 1241-1251.	0.9	43
71	Oxidative Addition of Allylic Substrates to Coordinatively Unsaturated Ruthenium Compounds, [Ru(η^5 -C ₅ Me ₅)(η^1 -amidinate)]: Preparation, Structure Elucidation, and Catalysis of Novel Ruthenium(IV)- η^3 -Allyl Complexes. <i>Bulletin of the Chemical Society of Japan</i> , 2001, 74, 1927-1937.	2.0	43
72	Palladium imine and amine complexes derived from 2-thiophenecarboxaldehyde as catalysts for the Suzuki cross-coupling of aryl bromides. <i>Journal of Molecular Catalysis A</i> , 2006, 257, 67-72.	4.8	43

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73	Migratory Insertion of Acetylene in N-Heterocyclic Carbene Complexes of Ruthenium: Formation of (Ruthenocenylmethyl)imidazolium Salts. <i>Organometallics</i> , 2007, 26, 1531-1535.	1.1	43
74	Carbon Dioxide Hydrogenation to Formate Catalyzed by a Bench-Stable, Non-Pincer-Type Mn(I) Alkylcarbonyl Complex. <i>Organometallics</i> , 2021, 40, 1213-1220.	1.1	43
75	Synthesis and Characterization of Dibromo-Containing Ruthenium(IV) η^3 -Allyl and Ruthenium(IV) η^4 -Diene Complexes. Formation of $[\text{Ru}(\eta^5\text{-C}_5\text{Me}_5)\text{Br}_3]$ - and $[\text{Ru}(\eta^5\text{-C}_5\text{Me}_5)\text{Br}_3]_2$. <i>Organometallics</i> , 1996, 15, 532-542.	1.1	41
76	Solution and solid-gas reactivity of unsaturated $[\text{RuCp}(\text{tmeda})]^+$ (tmeda=Me ₂ NC ₂ H ₄ NMe ₂). <i>Journal of Organometallic Chemistry</i> , 2000, 593-594, 342-353.	0.8	41
77	Synthesis and characterization of ruthenium quinolin-8-olate complexes. Unexpected formation of a η^1 -hydrotris(pyrazolyl)borate complex. <i>Dalton Transactions RSC</i> , 2000, , 2607-2612.	2.3	41
78	Reactions of RuCp and RuCp* Allyl Carbene Complexes: Products Derived from Activation of Phenyl, Cyclohexyl, and Methyl C-H Bonds in PPh ₃ , PCy ₃ , and Cp* Ligands. <i>Organometallics</i> , 2002, 21, 2912-2920.	1.1	41
79	Kinetically Controlled Formation of Octahedral <i>cis</i> - and <i>trans</i> -Dicarbonyl Iron(II) PNP Pincer Complexes: The Decisive Role of Spin-State Changes. <i>Organometallics</i> , 2010, 29, 4932-4942.	1.1	41
80	Old Concepts, New Application – Additive-Free Hydrogenation of Nitriles Catalyzed by an Air Stable Alkyl Mn(I) Complex. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5412-5420.	2.1	41
81	Synthesis and Reactivity of Ruthenium Allyl Carbene Complexes. C-H Activation/Dehydrogenation of a Cyclohexyl Substituent in PCy ₃ . <i>Organometallics</i> , 1999, 18, 4681-4683.	1.1	40
82	Rh(acac)(CO)(PR ₃) ₃ and Rh(oxinate)(CO)(PR ₃) ₃ complexes – substitution chemistry and structural aspects. <i>Journal of Organometallic Chemistry</i> , 2000, 602, 59-64.	0.8	40
83	A Cobalt(I) Pincer Complex with an η^2 - <i>aryl</i> -H Agostic Bond: Facile C-H Bond Cleavage through Deprotonation, Radical Abstraction, and Oxidative Addition. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3045-3048.	7.2	39
84	Synthesis and reactivity of neutral vinylidene and η^1 -alkynyl complexes containing the hemilabile ligand Ph ₂ PCH ₂ CH ₂ OMe. <i>Journal of Organometallic Chemistry</i> , 2001, 617-618, 301-310.	0.8	38
85	Ruthenium-Catalyzed Synthesis of Alkylidenecyclobutenes via Head-to-Head Dimerization of Propargylic Alcohols and Cyclobutadiene-Ruthenium Intermediates. <i>Chemistry - A European Journal</i> , 2005, 11, 1312-1324.	1.7	38
86	Trifluoromethanesulfonate (triflate) as a moderately coordinating anion: Studies from chemistry of the cationic coordinatively unsaturated mono- and diruthenium amidinates. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 382-394.	0.8	37
87	Reactivity of coordinatively unsaturated iron complexes towards carbon monoxide: to bind or not to bind?. <i>Dalton Transactions</i> , 2011, 40, 4778.	1.6	37
88	Reductive Dimerization of Nitric Oxide to <i>trans</i> -Hyponitrite in the Coordination Sphere of a Dinuclear Ruthenium Complex. <i>Organometallics</i> , 2004, 23, 1269-1273.	1.1	36
89	Facile S-S Bond Activation of Alkyl and Aryl Disulfides by $[\text{RuCp}(\text{CH}_3\text{CN})_3]^+$: Formation of Dinuclear Ru(III)- μ -Ru(III) Complexes with Bridging Thiolate Ligands. <i>Organometallics</i> , 2004, 23, 2876-2883.	1.1	35
90	Three Different Reactions, One Catalyst: A Cu(I) PNP Pincer Complex as Catalyst for C-C and C-N Cross-Couplings. <i>Organic Letters</i> , 2017, 19, 2178-2181.	2.4	34

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91	Ruthenium Tris(pyrazolyl)borate Complexes. 14.1 Synthesis and Characterization of (Allyloxy)carbene Complexes. <i>Organometallics</i> , 1999, 18, 2275-2280.	1.1	33
92	Facile C-H Bond Activation in Phosphinoamine Ligands Resulting in Regio- and Stereoselective C-C Coupling with Terminal Acetylenes. <i>Chemistry - A European Journal</i> , 1998, 4, 2043-2050.	1.7	32
93	Activation of η^5 -Cyclopentadienyl Ligands toward Nucleophilic Attack through $\eta^5 \rightarrow \eta^3$ Ring Slippage. Kinetics, Thermodynamics, and NMR Spectroscopy. <i>Organometallics</i> , 1998, 17, 2391-2393.	1.1	32
94	Synthesis, characterization, and reactivity of half-sandwich Ru(II) complexes containing phosphine, arsine, stibine, and bismutine ligands. <i>Journal of Organometallic Chemistry</i> , 2002, 649, 55-63.	0.8	32
95	Rutheniumkatalysierte Homokupplung von terminalen Alkinen. <i>Monatshefte für Chemie</i> , 1998, 129, 221.	0.9	32
96	Manganese-Catalyzed Hydrogenation of Ketones under Mild and Base-free Conditions. <i>Organometallics</i> , 2021, 40, 1388-1394.	1.1	31
97	Ruthenium tris(pyrazolyl)borate complexes. Formation and characterization of acetone, dimethylformamide and vinylidene complexes containing N,N-donor co-ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 4071.	1.1	30
98	Oxidation of Ruthenium(II) to Ruthenium(IV) η^4 -Diene Complexes: A Swing Mechanism and Diene \rightarrow Allyl Conversion. <i>Organometallics</i> , 1997, 16, 427-433.	1.1	30
99	Redox kinetics of metal complexes in nonaqueous solutions: reductions of tris(1,10-phenanthroline)- and tris(2,2'-bipyridine)iron(III) by hexakis(N,N-dimethylformamide)iron(II) in acetonitrile: role of first-coordination sphere. <i>Inorganic Chemistry</i> , 1988, 27, 1530-1536.	1.9	29
100	Revisiting the main group cyclopentadienyl metal complexes in terms of the through-space coupling concept. <i>Coordination Chemistry Reviews</i> , 2001, 214, 143-185.	9.5	29
101	A complete series of halocarbonyl molybdenum PNP pincer complexes – Unexpected differences between NH and NMe spacers. <i>Journal of Organometallic Chemistry</i> , 2014, 760, 74-83.	0.8	29
102	Synthesis, characterization and reactivity of vanadium, chromium, and manganese PNP pincer complexes. <i>Inorganica Chimica Acta</i> , 2017, 455, 707-714.	1.2	29
103	Addition of Acetylenes to Olefins. Oxidative Coupling versus [2+2] Cycloaddition to a Vinylidene Intermediate. <i>Organometallics</i> , 1999, 18, 1011-1017.	1.1	28
104	Theoretical Study of the Ruthenium-Catalyzed Cyclocotrimerization of Alkynes with Isocyanates and Isothiocyanates: A Chemoselective Formation of Pyridine-2-one and Thiopyrane-2-imine. <i>Journal of Organic Chemistry</i> , 2003, 68, 8339-8344.	1.7	28
105	Synthesis and reactivity of Ru(II) complexes containing the phosphino-amine $\text{Ph}_2\text{PCH}_2\text{CH}_2\text{NMe}_2$. <i>Inorganica Chimica Acta</i> , 1998, 268, 69-76.	1.2	27
106	The reaction of ferrocenyl acetylene with $[\text{RuCp}(\text{PR}_3)(\text{CH}_3\text{CN})_2]\text{PF}_6$ (R=Me, Ph, Cy). Formation of the first allenyl carbene complexes. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 70-74.	0.8	27
107	H_2 -Selective Manganese-Catalyzed Semihydrogenation of Alkynes with H_2 Directly Employed or In Situ-Generated. <i>ACS Catalysis</i> , 2022, 12, 2253-2260.	5.5	27
108	Cationic 16-electron half-sandwich ruthenium complexes containing asymmetric diamines: understanding the stability and reactivity of coordinatively unsaturated two-legged piano stool complexes. <i>Inorganica Chimica Acta</i> , 1999, 286, 114-120.	1.2	26

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109	Semimasked 1,1- η^2 -diethynylferrocenes: synthetic concepts, preparations, and reactions. <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 558-576.	0.8	26
110	Selective Phosphoramidite Cleavage as a Route to Novel Chiral and Achiral Pentacoordinated Nickel(II) PNP Pincer Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 4374-4379.	1.0	26
111	The Organometallic Chemistry of Group 8 Tris(pyrazolyl)borate Complexes. <i>Advances in Organometallic Chemistry</i> , 2008, 56, 155-197.	0.5	26
112	Mild and Selective Carbon Dioxide Hydroboration to Methoxyboranes Catalyzed by Mn(I) PNP Pincer Complexes. <i>ChemCatChem</i> , 2020, 12, 4625-4631.	1.8	26
113	Rhodium phosphine complexes immobilized on silica as active catalysts for 1-hexene hydroformylation and arene hydrogenation. <i>Journal of Molecular Catalysis A</i> , 2004, 210, 179-187.	4.8	25
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