Rhett Kempe

List of Publications by Year
in descending order

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372 papers	18,499 citations	11639 70 h-index	19726 117 g-index
439 all docs	439 docs citations	439 times ranked	10483 citing authors

#	Article	IF	Citations
1	3d-Metal Catalyzed N- and C-Alkylation Reactions via Borrowing Hydrogen or Hydrogen Autotransfer. Chemical Reviews, 2019, 119, 2524-2549.	23.0	606
2	Manganese Complexes for (De)Hydrogenation Catalysis: A Comparison to Cobalt and Iron Catalysts. Angewandte Chemie - International Edition, 2018, 57, 46-60.	7.2	446
3	A sustainable catalytic pyrrole synthesis. Nature Chemistry, 2013, 5, 140-144.	6.6	428
4	High Catalytic Activity of Platinum Nanoparticles Immobilized on Spherical Polyelectrolyte Brushes. Langmuir, 2005, 21, 12229-12234.	1.6	344
5	Cobaltâ€Catalyzed Alkylation of Aromatic Amines by Alcohols. Angewandte Chemie - International Edition, 2015, 54, 15046-15050.	7.2	295
6	Pt@MOFâ€177: Synthesis, Roomâ€Temperature Hydrogen Storage and Oxidation Catalysis. Chemistry - A European Journal, 2008, 14, 8204-8212.	1.7	272
7	Highly Active and Selective Manganese C=O Bond Hydrogenation Catalysts: The Importance of the Multidentate Ligand, the Ancillary Ligands, and the Oxidation State. Angewandte Chemie - International Edition, 2016, 55, 11806-11809.	7.2	271
8	Highlights in the Renaissance of Amidometal Chemistry. Angewandte Chemie - International Edition, 2000, 39, 468-493.	7.2	267
9	Manganeseâ€Catalyzed Multicomponent Synthesis of Pyrimidines from Alcohols and Amidines. Angewandte Chemie - International Edition, 2017, 56, 1663-1666.	7.2	248
10	How to Polymerize Ethylene in a Highly Controlled Fashion?. Chemistry - A European Journal, 2007, 13, 2764-2773.	1.7	247
11	Transition-Metal-Catalyzed Reductive Amination Employing Hydrogen. Chemical Reviews, 2020, 120, 9583-9674.	23.0	231
12	Catalytic Hydrogenolysis of Aryl Ethers: A Key Step in Lignin Valorization to Valuable Chemicals. ACS Catalysis, 2015, 5, 1675-1684.	5.5	214
13	General and Mild Cobalt-Catalyzed C-Alkylation of Unactivated Amides and Esters with Alcohols. Journal of the American Chemical Society, 2016, 138, 10786-10789.	6.6	205
14	A Sustainable Multicomponent Pyrimidine Synthesis. Journal of the American Chemical Society, 2015, 137, 12804-12807.	6.6	199
15	Selective Iridiumâ€Catalyzed Alkylation of (Hetero)Aromatic Amines and Diamines with Alcohols under Mild Reaction Conditions. Chemistry - A European Journal, 2009, 15, 3790-3799.	1.7	195
16	Manganeseâ€Catalyzed Sustainable Synthesis of Pyrroles from Alcohols and Amino Alcohols. Angewandte Chemie - International Edition, 2017, 56, 7261-7265.	7.2	193
17	Thermosensitive core-shell microgel as a â€œnanoreactorâ€• for catalytic active metal nanoparticles. Journal of Materials Chemistry, 2009, 19, 3955.	6.7	191
18	A Highly Active and Easily Accessible Cobalt Catalyst for Selective Hydrogenation of Câ•O Bonds. Journal of the American Chemical Society, 2015, 137, 7998-8001.	6.6	191

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19	Stable Bimetallic Goldâ€“Platinum Nanoparticles Immobilized on Spherical Polyelectrolyte Brushes: Synthesis, Characterization, and Application for the Oxidation of Alcohols. Advanced Materials, 2008, 20, 1928-1933.	11.1	188
20	An Efficient Method for the Selective Iridiumâ€Catalyzed Monoalkylation of (Hetero)aromatic Amines with Primary Alcohols. Advanced Synthesis and Catalysis, 2008, 350, 749-758.	2.1	187
21	A Reusable Co Catalyst for the Selective Hydrogenation of Functionalized Nitroarenes and the Direct Synthesis of Imines and Benzimidazoles from Nitroarenes and Aldehydes. Angewandte Chemie - International Edition, 2016, 55, 15175-15179.	7.2	180
22	Ni/Pd@MILâ€101: Synergistic Catalysis with Cavityâ€Conform Ni/Pd Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 11473-11477.	7.2	178
23	General synthesis of primary amines via reductive amination employing a reusable nickel catalyst. Nature Catalysis, 2019, 2, 71-77.	16.1	178
24	Regioselectively Functionalized Pyridines from Sustainable Resources. Angewandte Chemie - International Edition, 2013, 52, 6326-6329.	7.2	175
25	Ultrashort metalâ€“metal distances and extreme bond orders. Nature Chemistry, 2009, 1, 529-536.	6.6	164
26	Metalâ€“Metal Distances at the Limit: A Coordination Compound with an Ultrashort Chromiumâ€“Chromium Bond. Angewandte Chemie - International Edition, 2008, 47, 7246-7249.	7.2	163
27	The Synthesis of Benzimidazoles and Quinoxalines from Aromatic Diamines and Alcohols by Iridiumâ€Catalyzed Acceptorless Dehydrogenative Alkylation. Chemistry - A European Journal, 2014, 20, 5569-5572.	1.7	154
28	Bis(pyrimidine)-based palladium catalysts: synthesis, X-ray structure and applications in Heckâ€“, Suzukiâ€“, Sonogashiraâ€“Hagihara couplings and amination reactions. Journal of Organometallic Chemistry, 2001, 634, 39-46.	0.8	153
29	Manganese-Catalyzed and Base-Switchable Synthesis of Amines or Imines via Borrowing Hydrogen or Dehydrogenative Condensation. ACS Catalysis, 2018, 8, 8525-8530.	5.5	152
30	New Iridium Catalysts for the Selective Alkylation of Amines by Alcohols under Mild Conditions and for the Synthesis of Quinolines by Acceptorâ€less Dehydrogenative Condensation. Chemistry - A European Journal, 2014, 20, 13279-13285.	1.7	150
31	Catalytic Alkylation of Methyl-N-Heteroaromatics with Alcohols. Journal of the American Chemical Society, 2010, 132, 924-925.	6.6	149
32	Single-catalyst high-weight% hydrogen storage in an N-heterocycle synthesized from lignin hydrogenolysis products and ammonia. Nature Communications, 2016, 7, 13201.	5.8	146
33	New Iridium Catalysts for the Efficient Alkylation of Anilines by Alcohols under Mild Conditions. Chemistry - A European Journal, 2010, 16, 13193-13198.	1.7	145
34	Reversible Chain Transfer between Organoyttrium Cations and Aluminum: Synthesis of Aluminum-Terminated Polyethylene with Extremely Narrow Molecular-Weight Distribution. Chemistry - A European Journal, 2006, 12, 8969-8978.	1.7	144
35	Polymer derived non-oxide ceramics modified with late transition metals. Chemical Society Reviews, 2012, 41, 5102.	18.7	143
36	Carboalumination of a chromiumâ€“chromium quintuple bond. Nature Chemistry, 2009, 1, 322-325.	6.6	131

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37	Synthesis and Structure of the Smallest Cyclic Cumulene; Reaction of 1,3-Diynes with Zirconocene Complexes. Angewandte Chemie International Edition in English, 1994, 33, 1605-1607.	4.4	129
38	Synthesis of Molybdenum and Tungsten Complexes That Contain Triamidoamine Ligands of the Type (C6F5NCH2CH2)3N and Activation of Dinitrogen by Molybdenum. Journal of the American Chemical Society, 1994, 116, 4382-4390.	6.6	128
39	Manganeseâ€Catalyzed Dehydrogenative Alkylation or Î±â€Olefination of Alkylâ€Substituted Nâ€Heteroarenes with Alcohols. Angewandte Chemie - International Edition, 2018, 57, 9131-9135.	7.2	128
40	Selective Palladiumâ€Loaded MILâ€101 Catalysts. Chemistry - A European Journal, 2011, 17, 8071-8077.	1.7	122
41	Synthesis of Selectively Monoâ€Nâ€Arylated Aliphatic Diamines via Iridiumâ€Catalyzed Amine Alkylation. Advanced Synthesis and Catalysis, 2009, 351, 2903-2911.	2.1	115
42	The Strained Î· 2 â€•N Amido â^' N Pyridine Coordination of Aminopyridinato Ligands. European Journal of Inorganic Chemistry, 2003, 2003, 791-803.	1.0	113
43	Formation of cycloâ€E₄^{2â^'} Units (E₄=P₄,) Tj ETQq1 1 0.784314 rgBT /Ov International Edition, 2011, 50, 7283-7286.	7.2	113
44	Mangankomplexe in der (De)Hydrierâ€Katalyse â€“ ein Vergleich mit Cobaltâ€•und Eisenkatalysatoren. Angewandte Chemie, 2018, 130, 48-63.	1.6	113
45	Cobaltâ€Catalyzed Alkylation of Secondary Alcohols with Primary Alcohols via Borrowing Hydrogen/Hydrogen Autotransfer. Chemistry - A European Journal, 2017, 23, 12110-12113.	1.7	111
46	Synthesis of Molybdenum Complexes That Contain Silylated Triamidoamine Ligands. A .mu.-Dinitrogen Complex, Methyl and Acetylide Complexes, and Coupling of Acetylides. Journal of the American Chemical Society, 1994, 116, 8804-8805.	6.6	109
47	An Efficient Bimetallic Rhodium Catalyst for the Direct Arylation of Unactivated Arenes. Angewandte Chemie - International Edition, 2007, 46, 3135-3138.	7.2	109
48	Metalâ€“Metal Distances at the Limit: Crâ€“Cr 1.73 Ã… â€“ the Importance of the Ligand and its Fine Tuning. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1149-1152.	0.6	107
49	The Iridiumâ€Catalyzed Synthesis of Symmetrically and Unsymmetrically Alkylated Diamines under Mild Reaction Conditions. Advanced Synthesis and Catalysis, 2012, 354, 847-862.	2.1	107
50	Molecules containing rare-earth atoms solely bonded by transition metals. Nature Chemistry, 2010, 2, 741-744.	6.6	104
51	The First Titanacyclic Fiveâ€Membered Cumulene. Synthesis, Structure, and Reactivity. Chemische Berichte, 1995, 128, 967-971.	0.2	102
52	N-Acyl-N,N-dipyridyl and N-acyl-N-pyridyl-N-quinoyl amine based palladium complexes. Synthesis, X-ray structures, heterogenization and use in Heck couplings. Journal of Organometallic Chemistry, 2001, 622, 6-18.	0.8	100
53	Mechanistic Studies of Hydride Transfer to Imines from a Highly Active and Chemoselective Manganate Catalyst. Journal of the American Chemical Society, 2019, 141, 11677-11685.	6.6	100
54	Octahedral Group 4 Metal Complexes That Contain Amine, Amido, and Aminopyridinato Ligands:Â Synthesis, Structure, and Application in Î±-Olefin Oligo- and Polymerization. Inorganic Chemistry, 1996, 35, 6742-6745.	1.9	99

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55	Bismetallocenes: Lanthanoidâ€“Transitionâ€Metal Bonds through Alkane Elimination. Angewandte Chemie - International Edition, 2008, 47, 6469-6472.	7.2	94
56	Towards f and d electron interactions in amido metal complexes. Journal of Organometallic Chemistry, 2002, 647, 12-20.	0.8	91
57	fâ€Elementâ€“Metal Bonding and the Use of the Bond Polarity To Build Molecular Intermetalloids. Chemistry - A European Journal, 2012, 18, 13566-13579.	1.7	90
58	Selective Assembly of Trinuclear Rare-Earth Alkyl Hydrido Clusters Supported by Amidopyridinate Ligands. Organometallics, 2008, 27, 2905-2907.	1.1	88
59	The synthesis of pyrroles via acceptorless dehydrogenative condensation of secondary alcohols and 1,2-amino alcohols mediated by a robust and reusable catalyst based on nanometer-sized iridium particles. Catalysis Science and Technology, 2014, 4, 4188-4192.	2.1	88
60	Hochaktive und selektive Mangankatalysatoren zur Hydrierung von C=Oâ€Bindungen â€“ die Bedeutung des mehrzÃhnigen Liganden, der Coliganden und der Oxidationsstufe. Angewandte Chemie, 2016, 128, 11984-11988.	1.6	88
61	Reactions of 1,4- and 2,3-Diazadienes with Titanocene and Zirconocene Complexes of Bis(trimethylsilyl)acetylene:Â Acetylene Coupling or Substitution Including Subsequent Câ^'H Activation, Câ^'C Coupling, and Nâ^'N Cleavage to Heterobimetallic Complexes. Organometallics, 1998, 17, 4429-4437.	1.1	86
62	Robust Heterogeneous Nickel Catalysts with Tailored Porosity for the Selective Hydrogenolysis of Aryl Ethers. ChemCatChem, 2014, 6, 91-95.	1.8	84
63	Manganeseâ€Catalyzed Î²â€Methylation of Alcohols by Methanol. Angewandte Chemie - International Edition, 2020, 59, 1485-1490.	7.2	84
64	Suzukiâ€•and Heckâ€Type Crossâ€Coupling with Palladium Nanoparticles Immobilized on Spherical Polyelectrolyte Brushes. Advanced Synthesis and Catalysis, 2008, 350, 493-500.	2.1	81
65	Synthesis of metaâ€Functionalized Pyridines by Selective Dehydrogenative Heterocondensation of Î²â€•and Î³â€Amino Alcohols. Angewandte Chemie - International Edition, 2017, 56, 371-374.	7.2	78
66	Mononuclear Titanium Complexes That Contain Aminopyridinato Ligands. Inorganic Chemistry, 1996, 35, 2644-2649.	1.9	75
67	Copperâ€Containing SiCN Precursor Ceramics (Cu@SiCN) as Selective Hydrocarbon Oxidation Catalysts Using Air as an Oxidant. Chemistry - A European Journal, 2010, 16, 4231-4238.	1.7	73
68	Adjusting the DNA Interaction and Anticancer Activity of Pt(II) N-Heterocyclic Carbene Complexes by Steric Shielding of the Trans Leaving Group. Journal of Medicinal Chemistry, 2015, 58, 6283-6292.	2.9	72
69	Nickel(0) Complexes of Five-Membered Titana- and Zirconacyclocumulenes as Intermediates in the Cleavage of Cï¿C Bonds of Disubstituted Butadiynes. Angewandte Chemie International Edition in English, 1996, 35, 1112-1115.	4.4	71
70	Heterobimetallic .sigma.,.pi.-Acetylide-Bridged Complexes from Disubstituted 1,3-Butadiynes. Organometallics, 1995, 14, 2961-2968.	1.1	70
71	The Ligandâ€Based Quintuple Bondâ€Shortening Concept and Some of Its Limitations. Chemistry - A European Journal, 2013, 19, 9825-9832.	1.7	70
72	Enhanced capacitance of nitrogen-doped hierarchically porous carbide-derived carbon in matched ionic liquids. Journal of Materials Chemistry A, 2015, 3, 18906-18912.	5.2	69

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73	Synthesis of Optically ActiveÎ±-Amino- phosphinic Acids by Catalytic Asymmetric Hydrogenation in Organic Solvents and Aqueous Micellar Media. Angewandte Chemie - International Edition, 1998, 37, 2851-2853.	7.2	68
74	Novel trans-.eta.2-Alkyne Complexes of Titanocene with Strong Si-H-Ti Interactions. Synthesis, Spectral Characteristics, and x-ray Crystal Structure. Journal of the American Chemical Society, 1995, 117, 10399-10400.	6.6	67
75	Lithium and Potassium Amides of Sterically Demanding Aminopyridines. European Journal of Inorganic Chemistry, 2004, 2004, 3297-3304.	1.0	67
76	Spherical polyelectrolyte brushes as carriers for platinum nanoparticles in heterogeneous hydrogenation reactions. Journal of Catalysis, 2007, 246, 10-14.	3.1	66
77	Reaction of Disubstituted 1,3-Butadiynes R1C.tplbond.CC.tplbond.CR2 with Zirconocene Complexes: Cleavage of the Central C-C Single Bond to form Symmetrically and Unsymmetrically Doubly Acetylide-Bridged Metallocene Complexes. Organometallics, 1994, 13, 2903-2906.	1.1	65
78	Mononuclear Tris(aminopyridinato)zirconium Alkyl, Aryl, and Alkynyl Complexes. Organometallics, 1996, 15, 1071-1074.	1.1	65
79	Chromiumâ€Catalyzed Alkylation of Amines by Alcohols. Angewandte Chemie - International Edition, 2020, 59, 11789-11793.	7.2	65
80	Manganâ€katalysierte Mehrkomponentensynthese von Pyrimidinen aus Alkoholen und Amidinen. Angewandte Chemie, 2017, 129, 1685-1688.	1.6	64
81	Intramolecular (sp³-hybridized) Câ^'H Activation: Yttrium Alkyls versus Transient Yttrium Hydrides. Organometallics, 2007, 26, 5770-5773.	1.1	63
82	Metalâ€"-Metal â€œCommunicationâ€•of Rh or Pd with Nd in Novel Heterobinuclear Complexes. Angewandte Chemie - International Edition, 1998, 37, 2079-2082.	7.2	62
83	Combinatorial Libraries with P-Functionalized Aminopyridines: Ligands for the Preparation of Efficient C(Aryl)â^'Cl Activation Catalysts. Angewandte Chemie - International Edition, 2002, 41, 1521-1523.	7.2	62
84	Di- and Trivalent Lanthanide Complexes Stabilized by Sterically Demanding Aminopyridinato Ligands. European Journal of Inorganic Chemistry, 2005, 2005, 1319-1324.	1.0	61
85	Mixed Chloro(dialkylamido) Complexes of Zirconium and Hafnium. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1995, 621, 2021-2024.	0.6	58
86	Yttrate-Mediated Ligand Transfer and Direct Synthesis as a Route to Amidopalladium Complexes. Angewandte Chemie - International Edition, 1998, 37, 832-835.	7.2	57
87	Dipyridylamine Ligands â^' Synthesis, Coordination Chemistry of the Group 10 Metals and Application of Nickel Complexes in Ethylene Oligomerization. European Journal of Inorganic Chemistry, 2001, 2001, 2421-2426.	1.0	56
88	Si-H Activation in Titanocene and Zirconocene Complexes of Alkynylsilanes RCâ‰¡CSiMe2H (R=tBu, Ph,) Tj ETQq0 0 0 rgBT /Overlock 1 Journal, 1998, 4, 1852-1861.	1.7	55
89	Cycloaddition Reactions of a Chromiumâ€"Chromium Quintuple Bond. Chemistry - A European Journal, 2011, 17, 6900-6903.	1.7	54
90	A Reusable Mesoporous Nickel Nanocomposite Catalyst for the Selective Hydrogenation of Nitroarenes in the Presence of Sensitive Functional Groups. ChemCatChem, 2016, 8, 2461-2465.	1.8	53

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91	Stablerac-[1,2-Ethylene-1,1â€˜-bis(Î·5-tetrahydroindenyl)]- zirconacyclopentanes. Syntheses, X-ray Crystal Structures, Stability, and Catalysis of Ethylene Polymerization. Organometallics, 1997, 16, 2886-2890.	1.1	51
92	Bis(benzo[4,5]thieno)[3,2â€‹c‹/i›:2â€²,3â€²â€‹e‹/i›][1,2]dithiin, ein Valenzisomer von â€žDithioxoâ€thioindigoâ€œ. Chemische Berichte, 1994, 127, 401-408.	0.9	49
93	Katalysatordesaktivierungen bei der Acetylen-Polymerisation mit Titanocen- bzw. Zirconocen-Komplexen des Bis(trimethylsilyl)acetylens. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1998, 624, 919-924.	0.6	49
94	Sonochemical Activation of Al/Ni Hydrogenation Catalyst. Advanced Functional Materials, 2012, 22, 3128-3135.	7.8	49
95	Zirconocene andrac-[1,2-Ethylene-1,1â€˜-bis(Î·5-tetrahydroindenyl)]zirconium Complexes of 2-Vinylpyridine:Â Syntheses, X-ray Crystal Structures, and Reactions with H2CCH2, H2O, HBF4, and CO2. Organometallics, 1998, 17, 2096-2102.	1.1	48
96	Highly active/selective and adjustable zirconium polymerization catalysts stabilized by aminopyridinato ligands. Journal of Organometallic Chemistry, 2007, 692, 4569-4579.	0.8	48
97	Robust Microporous Monoliths with Integrated Catalytically Active Metal Sites Investigated by Hyperpolarized ‹sup›129‹/sup›Xe NMR. Chemistry of Materials, 2012, 24, 3952-3963.	3.2	48
98	Microâ€‹Mesoporous Platinumâ€“SiCN Nanocomposite Catalysts (Pt@SiCN): From Design to Catalytic Applications. Chemistry - A European Journal, 2016, 22, 15508-15512.	1.7	48
99	A broadly tunable synthesis of linear Î±-olefins. Nature Communications, 2017, 8, 1226.	5.8	48
100	The generation of palladium silicide nanoalloy particles in a SiCN matrix and their catalytic applications. Journal of Materials Chemistry, 2011, 21, 18825.	6.7	47
101	A Plasmonic Colloidal Photocatalyst Composed of a Metalâ€“Organic Framework Core and a Gold/Anatase Shell for Visibleâ€‹Lightâ€Driven Wastewater Purification from Antibiotics and Hydrogen Evolution. Chemistry - A European Journal, 2017, 23, 3184-3190.	1.7	47
102	The Synthesis of Primary Amines through Reductive Amination Employing an Iron Catalyst. ChemSusChem, 2020, 13, 3110-3114.	3.6	47
103	Highly Enantioselective Amido Iridium Catalysts for the Hydrogenation of Simple Ketones. Angewandte Chemie - International Edition, 2011, 50, 2183-2186.	7.2	46
104	2-Aminopyridinate Titanium Complexes for the Catalytic Hydroamination of Primary Aminoalkenes. Organometallics, 2013, 32, 1858-1865.	1.1	46
105	The first chiral early-late heterobimetallic complex â€” A titanium(IV)-palladium(II) complex based on salenophos. Tetrahedron, 1996, 52, 14599-14606.	1.0	45
106	How Common Are True Aminopyridinato Complexes?. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 320-325.	0.6	45
107	Synthesis and Structure of Aminopyridinato-Stabilized Yttrium and Lanthanum Amides and Their Reactivity towards Alkylaluminium Compounds. European Journal of Inorganic Chemistry, 2009, 2009, 412-418.	1.0	45
108	Rare earthâ€“metal bonding in molecular compounds: recent advances, challenges, and perspectives. New Journal of Chemistry, 2015, 39, 7544-7558.	1.4	45

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109	rac-[1,2-Ethylene-1,1â€˜-bis(Î·5-tetrahydroindenyl)][Î·2- bis(trimethylsilyl)acetylene]zirconium, the First Zirconoceneâ˜Alkyne Complex without Additional Ligands:Â Synthesis, Reactions, and X-ray Crystal Structure. Organometallics, 1996, 15, 3486-3490.	1.1	44
110	Coordination Polymers of Bipyridyldicarboxylates - a Cobalt Containing 12,3-net with Potential Reactive Sites. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2001, 627, 1711-1713.	0.6	44
111	Di- and trivalent rare earth complexes stabilized by sterically demanding aminopyridinato ligands as initiators in ring-opening polymerization reactions of Îµ-caprolactone. Journal of Polymer Science Part A, 2007, 45, 3611-3619.	2.5	43
112	Selective Protonation of the Yï£¿C Bond in Trinuclear Yttrium Alkylâ€“Hydrido Clusters and Formation of the Cationic Polyhydrido Core. Chemistry - A European Journal, 2011, 17, 3824-3826.	1.7	43
113	Concerning the Questionable Existence of Thioxoindigoid Compounds. Angewandte Chemie International Edition in English, 1994, 33, 739-741.	4.4	42
114	Twofold Cï£¿C Single Bond Activation and Cleavage in the Reaction of Octatetraynes with Titanocene and Zirconocene Complexes. Angewandte Chemie International Edition in English, 1997, 36, 2615-2617.	4.4	42
115	A Novel One-Dimensional Coordination Polymer Involving Weak Hgï£¿Hg Interactions. Helvetica Chimica Acta, 2005, 88, 2267-2271.	1.0	42
116	Scandium Aminopyridinates: Synthesis, Structure and Isoprene Polymerization. European Journal of Inorganic Chemistry, 2009, 2009, 4255-4264.	1.0	41
117	Quintuple Bond Reactivity toward Group 16 and 17 Elements: Addition vs Insertion. Inorganic Chemistry, 2013, 52, 329-336.	1.9	41
118	An efficient yttrium catalysed version of the â€œAufbaureaktionâ€•for the synthesis of terminal functionalised polyethylene. Dalton Transactions, 2010, 39, 6847.	1.6	40
119	Reactions of the Schiff Bases HN:CPh2 and PhN:CHPh with Titanocene- and Zirconocene-Generating Complexes. Organometallics, 1995, 14, 3090-3093.	1.1	39
120	Aminopyridinateâ€Stabilized Lanthanoid Complexes: Synthesis, Structure and Polymerization of Ethylene and Isoprene. European Journal of Inorganic Chemistry, 2010, 2010, 2853-2860.	1.0	39
121	Catalytic condensation for the formation of polycyclic heteroaromatic compounds. Nature Communications, 2018, 9, 1751.	5.8	39
122	Novel Amidoniobium Complexes with a Functional Relationship to the [Cp2ZrR]+ Ion*. Angewandte Chemie - International Edition, 1998, 37, 3363-3365.	7.2	38
123	Sterically Demanding Iminopyridine Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 4221-4228.	1.0	38
124	A novel PAN/silazane hybrid polymer for processing of carbon-based fibres with extraordinary oxidation resistance. Journal of Materials Chemistry A, 2017, 5, 720-729.	5.2	38
125	Complexes of Group 3 Metals and Lanthanides That Contain Siloxane-Bridged Bisaminopyridinato Ligands: Synthesis, Structure, and Application in the Ring-Opening Polymerization of Lactones. European Journal of Inorganic Chemistry, 1999, 1999, 2283-2288.	1.0	37
126	Synthesis and Structure of Zirconium and Hafnium Polymerisation Catalysts Stabilised by Very Bulky Aminopyridinato Ligands. European Journal of Inorganic Chemistry, 2008, 2008, 5088-5098.	1.0	37

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127	Molecular [Yb(TM)₂] Intermetalloids (TM=Ru, Re). Chemistry - A European Journal, 2010, 16, 10679-10683.	1.7	37
128	Highly Active Titanium-Based Olefin Polymerization Catalysts Bearing Bulky Aminopyridinato Ligands. Inorganic Chemistry, 2011, 50, 4598-4606.	1.9	37
129	Manganâ€katalysierte nachhaltige Synthese von Pyrrolen aus Alkoholen und Aminoalkoholen. Angewandte Chemie, 2017, 129, 7367-7371.	1.6	37
130	General and selective deoxygenation by hydrogen using a reusable earth-abundant metal catalyst. Science Advances, 2019, 5, eaav3680.	4.7	37
131	Reaction of Dichloromethyltris(trimethylsilyl)silane with Organolithium Reagents: Synthesis of an Intramolecularly Donor-Stabilized Silene. Angewandte Chemie - International Edition, 2000, 39, 1610-1612.	7.2	36
132	Catalytic formation of carbon phases in metal modified, porous polymer derived SiCN ceramics. Carbon, 2011, 49, 3065-3072.	5.4	36
133	Reactions of Lactams with Titanoceneâ€•and Zirconoceneâ€Alkyne Complexes as Elemental Steps in Catalytic Anionic Ringâ€Opening Polymerization of Lactams. Chemische Berichte, 1996, 129, 1281-1285.	0.2	35
134	Colloidal Size Effect and Metalâ€Particle Migration in M@MOF/PCP Catalysis. Chemistry - A European Journal, 2013, 19, 13652-13657.	1.7	35
135	The Direct Synthesis of Imines, Benzimidazoles and Quinoxalines from Nitroarenes and Carbonyl Compounds by Selective Nitroarene Hydrogenation Employing a Reusable Iron Catalyst. Chemistry - A European Journal, 2018, 24, 8989-8993.	1.7	35
136	Reactions of the Zirconocene Complexes of Bis(trimethylsilyl)acetylene with Formaldehyde, Benzaldehyde, and Benzophenone. Organometallics, 1996, 15, 1340-1344.	1.1	34
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