Karsten Meyer

List of Publications by Year
in descending order

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285 papers	15,331 citations	13854 67 h-index	26591 107 g-index
316 all docs	316 docs citations	316 times ranked	11473 citing authors

#	Article	IF	Citations
1	The biology and chemistry of high-valent ironâ€“oxo and ironâ€“nitrido complexes. Nature Communications, 2012, 3, 720.	5.8	428
2	Towards uranium catalysts. Nature, 2008, 455, 341-349.	13.7	377
3	Group 11 Metal Complexes of N-Heterocyclic Carbene Ligands:â€‰ Nature of the MetalCarbene Bond. Organometallics, 2004, 23, 755-764.	1.1	372
4	A Linear, O-Coordinated Â1-CO2 Bound to Uranium. Science, 2004, 305, 1757-1759.	6.0	345
5	Synthesis, Structure, and Reactivity of an Iron(V) Nitride. Science, 2011, 331, 1049-1052.	6.0	306
6	Reusable Oxidation Catalysis Using Metal-Monocatecholato Species in a Robust Metalâ€“Organic Framework. Journal of the American Chemical Society, 2014, 136, 4965-4973.	6.6	264
7	A Mononuclear Fe(III) Single Molecule Magnet with a 3/2â†”5/2 Spin Crossover. Journal of the American Chemical Society, 2012, 134, 13651-13661.	6.6	256
8	Redox Control of a Ring-Opening Polymerization Catalyst. Journal of the American Chemical Society, 2011, 133, 9278-9281.	6.6	233
9	Carbon Dioxide Activation with Sterically Pressured Mid- and High-Valent Uranium Complexes. Journal of the American Chemical Society, 2008, 130, 12536-12546.	6.6	229
10	An Iron Nitride Complex. Angewandte Chemie - International Edition, 2008, 47, 2681-2684.	7.2	222
11	Small molecule activation at uranium coordination complexes: control of reactivity via molecular architecture. Chemical Communications, 2006, , 1353.	2.2	221
12	Carbon Dioxide Reduction and Carbon Monoxide Activation Employing a Reactive Uranium(III) Complex. Journal of the American Chemical Society, 2005, 127, 11242-11243.	6.6	211
13	Photolysis ofcis- andtrans-[FeIII(cyclam)(N3)2]+Complexes:Â Spectroscopic Characterization of a Nitridoiron(V) Species. Journal of the American Chemical Society, 1999, 121, 4859-4876.	6.6	206
14	Uranium Tris-aryloxide Derivatives Supported by Triazacyclononane:â€‰ Engendering a Reactive Uranium(III) Center with a Single Pocket for Reactivity. Journal of the American Chemical Society, 2003, 125, 4565-4571.	6.6	201
15	Terminal Cobalt(III) Imido Complexes Supported by Tris(Carbene) Ligands:â€‰ Imido Insertion into the Cobaltâ^'Carbene Bond. Journal of the American Chemical Society, 2004, 126, 16322-16323.	6.6	195
16	Silver Complexes of a Novel Tripodal N-Heterocyclic Carbene Ligand:Â Evidence for Significant Metalâ^'Carbene Ï€-Interaction. Organometallics, 2003, 22, 612-614.	1.1	173
17	Synthesis and Characterization of a Uranium(II) Monoarene Complex Supported by Î´â€…Backbonding. Angewandte Chemie - International Edition, 2014, 53, 7158-7162.	7.2	172
18	From a Molecular 2Feâ€2Se Precursor to a Highly Efficient Iron Diselenide Electrocatalyst for Overall Water Splitting. Angewandte Chemie - International Edition, 2017, 56, 10506-10510.	7.2	167

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19	Catalytic Cï£¿H Amination with Unactivated Amines through Copper(II) Amides. Angewandte Chemie - International Edition, 2010, 49, 8850-8855.	7.2	155
20	Uranium-mediated electrocatalytic dihydrogen production from water. Nature, 2016, 530, 317-321.	13.7	152
21	Copper Complexes of Nitrogen-Anchored Tripodal N-Heterocyclic Carbene Ligands. Journal of the American Chemical Society, 2003, 125, 12237-12245.	6.6	146
22	Dioxygen Activation by a Low-Valent Cobalt Complex Employing a Flexible Tripodal N-Heterocyclic Carbene Ligand. Journal of the American Chemical Society, 2004, 126, 13464-13473.	6.6	145
23	Structural, Spectroscopic, and Theoretical Elucidation of a Redox-Active Pincer-Type Ancillary Applied in Catalysis. Journal of the American Chemical Society, 2008, 130, 3676-3682.	6.6	144
24	Redox control of a polymerization catalyst by changing the oxidation state of the metal center. Chemical Communications, 2011, 47, 9897.	2.2	138
25	Evidence for Alkane Coordination to an Electron-Rich Uranium Center. Journal of the American Chemical Society, 2003, 125, 15734-15735.	6.6	137
26	Synthesis and Characterization of N-Heterocyclic Carbene Complexes of Uranium(III). Inorganic Chemistry, 2004, 43, 855-857.	1.9	124
27	Insights into the mechanism of carbonate formation through reductive cleavage of carbon dioxide with low-valent uranium centers. Chemical Communications, 2010, 46, 3137.	2.2	122
28	TiO₂ Nanotubes: Nitrogenâ€Ion Implantation at Low Dose Provides Nobleâ€Metalâ€Free Photocatalytic H₂â€Evolution Activity. Angewandte Chemie - International Edition, 2016, 55, 3763-3767.	7.2	119
29	Dinitrogen Cleavage Stemming from a Heterodinuclear Niobium/Molybdenum N2 Complex:â€‰ New Nitridoniobium Systems Including a Niobazene Cyclic Trimer. Organometallics, 2000, 19, 1622-1624.	1.1	116
30	Spin Crossover in a Four-Coordinate Iron(II) Complex. Journal of the American Chemical Society, 2011, 133, 3824-3827.	6.6	111
31	Nitridocyanometalates of CrV, MnV, and MnVIÂâ€. Inorganic Chemistry, 1998, 37, 1767-1775.	1.9	110
32	Crystal Structure Determination of the Nonclassical 2-Norbornyl Cation. Science, 2013, 341, 62-64.	6.0	108
33	A Bis-Carbenealkenyl Copper(I) Complex from a Tripodal Tris-Carbene Ligand. Organometallics, 2003, 22, 3016-3018.	1.1	107
34	Transition of TiO2 nanotubes to nanopores for electrolytes with very low water contents. Electrochemistry Communications, 2010, 12, 1184-1186.	2.3	105
35	Structural and Spectroscopic Characterization of a Charge-Separated Uranium Benzophenone Ketyl Radical Complex. Journal of the American Chemical Society, 2008, 130, 6567-6576.	6.6	103
36	From an Fe₂P₃ complex to FeP nanoparticles as efficient electrocatalysts for water-splitting. Chemical Science, 2018, 9, 8590-8597.	3.7	103

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37	Multiple-Bond Metathesis Mediated by Sterically Pressured Uranium Complexes. Angewandte Chemie - International Edition, 2006, 45, 2389-2392.	7.2	100
38	An Isolable and Monomeric Phosphorus Radical That Is Resonance-Stabilized by the Vanadium(IV/V) Redox Couple. Angewandte Chemie - International Edition, 2007, 46, 3111-3114.	7.2	100
39	New tripodal N-heterocyclic carbene chelators for small molecule activation. Journal of Organometallic Chemistry, 2005, 690, 5474-5484.	0.8	99
40	Copper(II) Anilides in sp³ C-H Amination. Journal of the American Chemical Society, 2014, 136, 10930-10940.	6.6	99
41	Nitridomanganese(V) and -(VI) Complexes Containing Macrocyclic Amine Ligands. Journal of the American Chemical Society, 1998, 120, 7260-7270.	6.6	95
42	Isolation and structural and electronic characterization of salts of the decamethylferrocene dication. Science, 2016, 353, 678-682.	6.0	95
43	Activation of elemental S, Se and Te with uranium(iii): bridging Uâ€“Eâ€“U (E = S, Se) and diamond-core complexes Uâ€“(E)2â€“U (E = O, S, Se, Te). Chemical Science, 2011, 2, 1538.	3.7	94
44	Influence of steric pressure on the activation of carbon dioxide and related small molecules by uranium coordination complexes. Dalton Transactions, 2009, , 9677.	1.6	93
45	Uranium-mediated carbon dioxide activation and functionalization. Polyhedron, 2012, 32, 1-9.	1.0	93
46	Enhanced visible light photocurrent generation at surface-modified TiO2 nanotubes. Electrochimica Acta, 2009, 54, 2640-2646.	2.6	91
47	Synthesis and Characterization of Cerium and Yttrium Alkoxide Complexes Supported by Ferrocene-Based Chelating Ligands. Inorganic Chemistry, 2011, 50, 2870-2877.	1.9	88
48	Hydrogenated Anatase: Strong Photocatalytic Dihydrogen Evolution without the Use of a Coâ€Catalyst. Angewandte Chemie - International Edition, 2014, 53, 14201-14205.	7.2	87
49	Synthesis of Uranium(VI) Terminal Oxo Complexes: Molecular Geometry Driven by the Inverse Trans-Influence. Journal of the American Chemical Society, 2012, 134, 5284-5289.	6.6	84
50	Uraniumâ€“Ligand Multiple Bonding in Uranyl Analogues, [Lâ•Uâ•L]ⁿ⁺, and the Inverse Trans Influence. Inorganic Chemistry, 2013, 52, 529-539.	1.9	84
51	An Intermediate Cobalt(IV) Nitrido Complex and its N-Migratory Insertion Product. Journal of the American Chemical Society, 2014, 136, 15072-15078.	6.6	84
52	A New Tripodal Ligand System with Steric and Electronic Modularity for Uranium Coordination Chemistry. Inorganic Chemistry, 2009, 48, 9419-9426.	1.9	83
53	Uranium-mediated reductive conversion of CO2 to CO and carbonate in a single-vessel, closed synthetic cycle. Chemical Communications, 2012, 48, 8634.	2.2	83
54	A Dinuclear Ni(I) System Having a Diradical Ni₂N₂Diamond Core Resting State: Synthetic, Structural, Spectroscopic Elucidation, and Reductive Bond Splitting Reactions. Inorganic Chemistry, 2008, 47, 10479-10490.	1.9	79

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55	A new class of double alkyl-substituted, liquid crystalline imidazolium ionic liquidsâ€"a unique combination of structural features, viscosity effects, and thermal properties. Chemical Communications, 2009, , 7405.	2.2	78
56	Molecular and Electronic Structure of Dinuclear Uranium Bis-Î¼-Oxo Complexes with Diamond Core Structural Motifs. Journal of the American Chemical Society, 2014, 136, 11980-11993.	6.6	78
57	A Planar Three-Coordinate Vanadium(II) Complex and the Study of Terminal Vanadium Nitrides from N₂: A Kinetic or Thermodynamic Impediment to Nâ€"N Bond Cleavage?. Journal of the American Chemical Society, 2012, 134, 13035-13045.	6.6	77
58	Charge-Separation in Uranium Diazomethane Complexes Leading to Câ¯H Activation and Chemical Transformation. Journal of the American Chemical Society, 2008, 130, 2806-2816.	6.6	76
59	Coordination and Redox Isomerization in the Reduction of a Uranium(III) Monoarene Complex. Angewandte Chemie - International Edition, 2014, 53, 7154-7157.	7.2	76
60	The role of uraniumâ€"arene bonding in H2O reduction catalysis. Nature Chemistry, 2018, 10, 259-267.	6.6	75
61	A cisâ€Divacant Octahedral and Mononuclear Iron(IV) Imide. Angewandte Chemie - International Edition, 2014, 53, 14139-14143.	7.2	74
62	Molecular and Electronic Structure of Nitridochromium(V) Complexes with Macrocyclic Amine Ligands. Inorganic Chemistry, 1998, 37, 5180-5188.	1.9	73
63	Synthesis of (Â±)â€Merrilactoneâ€...A and (Â±)â€Anislactoneâ€...A. Angewandte Chemie - International Edition, 2010, 49, 9250-9253.	7.2	73
64	Carbonate Formation from CO₂ via Oxo versus Oxalate Pathway: Theoretical Investigations into the Mechanism of Uranium-Mediated Carbonate Formation. Organometallics, 2010, 29, 5504-5510.	1.1	73
65	Synthesis and Catalytic Properties of Two Trinuclear Complexes of Rhodium and Iridium with the N-Heterocyclic Tris-carbene Ligand TIMENiPr. Organometallics, 2005, 24, 3158-3162.	1.1	70
66	Comparisons of lanthanide/actinide +2 ions in a tris(aryloxide)arene coordination environment. Chemical Science, 2017, 8, 7424-7433.	3.7	70
67	Influence of the nacnac Ligand in Iron(I)-Mediated P4 Transformations. Angewandte Chemie - International Edition, 2016, 55, 4340-4344.	7.2	69
68	Uranium complexes supported by an aryloxide functionalised triazacyclononane macrocycle: synthesis and characterisation of a six-coordinate U(iii) species and insights into its reactivityElectronic supplementary information (ESI) available: synthetic and analytical results, including elemental analysis, for all new complexes, crystallographic information for 2 and 3, and computational details for 1, figures and tables. See http://www.rsc.org/suppdata/cc/b2/b208473b/. Chemical Communications, 2002, , 2764-2765.	2.2	68
69	A new entry to N-heterocyclic carbene chemistry: synthesis and characterisation of a triscarbene complex of thallium(i). Chemical Communications, 2003, , 24-25.	2.2	68
70	Observation of the Inverse Trans Influence (ITI) in a Uranium(V) Imide Coordination Complex: An Experimental Study and Theoretical Evaluation. Inorganic Chemistry, 2012, 51, 6190-6199.	1.9	67
71	Lowâ€Valent Iron(I) Amido Olefin Complexes as Promotors for Dehydrogenation Reactions. Angewandte Chemie - International Edition, 2015, 54, 5766-5771.	7.2	63
72	A Neutral Tetraphosphacyclobutadiene Ligand in Cobalt(I) Complexes. Angewandte Chemie - International Edition, 2015, 54, 1250-1254.	7.2	63

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73	Uranium Hexakisamido Complexes. Angewandte Chemie - International Edition, 2000, 39, 3063-3066.	7.2	62
74	Reactions of Organic Nitriles with a Three-Coordinate Molybdenum(III) Complex and with a Related Molybdaziridine-Hydride. Organometallics, 2003, 22, 2902-2913.	1.1	61
75	Manganese Nitride Complexes in Oxidation States III, IV, and V: Synthesis and Electronic Structure. Journal of the American Chemical Society, 2012, 134, 15538-15544.	6.6	61
76	Black Magic in Gray Titania: Nobleâ€Metalâ€Free Photocatalytic H₂ Evolution from Hydrogenated Anatase. ChemSusChem, 2017, 10, 62-67.	3.6	61
77	Rationalizing Fabrication and Design Toward Highly Efficient and Stable Blue Lightâ€Emitting Electrochemical Cells Based on NHC Copper(I) Complexes. Advanced Functional Materials, 2018, 28, 1707423.	7.8	61
78	Cationic and Neutral Four-Coordinate Alkylidene Complexes of Vanadium(IV) Containing Short Vï£¾C Bonds. Angewandte Chemie - International Edition, 2004, 43, 3156-3159.	7.2	60
79	A Squareâ€Planar Ruthenium(II) Complex with a Lowâ€Spin Configuration. Angewandte Chemie - International Edition, 2010, 49, 7566-7569.	7.2	60
80	Nâ€“O Bond Homolysis of an Iron(II) TEMPO Complex Yields an Iron(III) Oxo Intermediate. Journal of the American Chemical Society, 2012, 134, 6516-6519.	6.6	60
81	Formation of a Uranium-Bound Î·¹-Cyaphide (CP^{â€“}) Ligand via Activation and Câ€“O Bond Cleavage of Phosphaethynolate (OCP^{â€“}). Organometallics, 2017, 36, 4351-4354.	1.1	60
82	Nobleâ€Metalâ€Free Photocatalytic Hydrogen Evolution Activity: The Impact of Ball Milling Anatase Nanopowders with TiH₂. Advanced Materials, 2017, 29, 1604747.	11.1	59
83	Reactivity of Uâ€“Eâ€“U (E = S, Se) Toward CO2, CS2, and COS: New Mixed-Carbonate Complexes of the Types Uâ€“CO2Eâ€“U (E = S, Se), Uâ€“CS2Eâ€“U (E = O, Se), and Uâ€“COSeâ€“U. Journal of the American Chemical Society, 2012, 134, 16877-16881.	6.6	57
84	Enhanced In Vitro Biocompatibility and Water Dispersibility of Magnetite and Cobalt Ferrite Nanoparticles Employed as ROS Formation Enhancer in Radiation Cancer Therapy. Small, 2018, 14, e1704111.	5.2	57
85	Reactivity Studies of a Masked Threeâ€Coordinate Vanadium(II) Complex. Angewandte Chemie - International Edition, 2010, 49, 9871-9875.	7.2	56
86	Proline Derived Spirobarbiturates as Highly Effective Î²-Turn Mimetics Incorporating Polar and Functionalizable Constraint Elements. Journal of Organic Chemistry, 2008, 73, 3608-3611.	1.7	55
87	Uranium(III) Complexes with Bulky Aryloxide Ligands Featuring Metalâ€“Arene Interactions and Their Reactivity Toward Nitrous Oxide. Inorganic Chemistry, 2013, 52, 10552-10558.	1.9	55
88	Highlights in Uranium Coordination Chemistry. Structure and Bonding, 2008, , 119-176.	1.0	54
89	Formation of a Uranium Trithiocarbonate Complex via the Nucleophilic Addition of a Sulfide-Bridged Uranium Complex to CS₂. Inorganic Chemistry, 2012, 51, 781-783.	1.9	54
90	Functionally Selective Dopamine D₂/D₃ Receptor Agonists Comprising an Enyne Moiety. Journal of Medicinal Chemistry, 2013, 56, 5130-5141.	2.9	54

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91	Pentacene Appended to a TEMPO Stable Free Radical: The Effect of Magnetic Exchange Coupling on Photoexcited Pentacene. Journal of the American Chemical Society, 2015, 137, 857-863.	6.6	54
92	Synthesis and characterization of electron-rich nickel tris-carbene complexes. Chemical Communications, 2004, , 2164.	2.2	52
93	Solid-State Structures of Double-Long-Chain Imidazolium Ionic Liquids: Influence of Anion Shape on Cation Geometry and Crystal Packing. Crystal Growth and Design, 2011, 11, 1974-1988.	1.4	52
94	Assigning Electronic States in Carbon Nanodots. Advanced Functional Materials, 2016, 26, 7975-7985.	7.8	52
95	Câ€“C Bond Formation and Related Reactions at the CNC Backbone in (smif)FeX (smif =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Hydrogenations and Alkyne Trimerization (X = N(TMS)2, dpma = (Di-(2-pyridyl-methyl)-amide)). Inorganic Chemistry, 2013, 52, 3295-3312.	1.9	51
96	Uranium(IV) Halide (F^{â^'}, Cl^{â^'}, Br^{â^'}, and I^{â^'}) Monoarene Complexes. Inorganic Chemistry, 2014, 53, 8418-8424.	1.9	51
97	Reductive cleavage of P₄ by iron(<scp>i</scp>) centres: synthesis and structural characterisation of Fe₂(P₂)₂ complexes with two bridging P₂^{2â^'} ligands. Chemical Communications, 2015, 51, 6153-6156.	2.2	50
98	Uranium(III)-Mediated Câ€“C-Coupling of Terminal Alkynes: Formation of Dinuclear Uranium(IV) Vinyl Complexes. Journal of the American Chemical Society, 2012, 134, 12792-12797.	6.6	49
99	Oxidation State Delineation via U L_{III}-Edge XANES in a Series of Isostructural Uranium Coordination Complexes. Inorganic Chemistry, 2012, 51, 7940-7944.	1.9	48
100	Beneficial Effects of Liquid Crystalline Phases in Solidâ€State Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2013, 3, 657-665.	10.2	48
101	Low-Valent Iron Mono-Diazadiene Compounds: Electronic Structure and Catalytic Application. ACS Catalysis, 2015, 5, 6230-6240.	5.5	48
102	Protonation of Ferrocene: A Lowâ€Temperature Xâ€ray Diffraction Study of [Cp₂FeH](PF₆) Reveals an Ironâ€Bound Hydrido Ligand. Angewandte Chemie - International Edition, 2017, 56, 13372-13376.	7.2	48
103	Long-alkyl-chain-derivatized imidazolium salts and ionic liquid crystals with tailor-made properties. RSC Advances, 2014, 4, 12476-12481.	1.7	47
104	Nobleâ€Metalâ€Free Photocatalytic H₂ Generation: Active and Inactive â€˜Blackâ€™ TiO₂ Nanotubes and Synergistic Effects. Chemistry - A European Journal, 2016, 22, 13810-13814.	1.7	47
105	Tripodal carbene and aryloxide ligands for small-molecule activation at electron-rich uranium and transition metal centers. Advances in Inorganic Chemistry, 2008, , 1-30.	0.4	46
106	Water Exchange Reactivity and Stability of Cobalt Polyoxometalates under Catalytically Relevant pH Conditions: Insight into Water Oxidation Catalysis. Inorganic Chemistry, 2011, 50, 9053-9058.	1.9	46
107	Cï¿¿C Bond Formation through Reductive Coupling of CS₂ to Yield Uranium Tetrathiooxalate and Ethylenetetrathiolate Complexes. Angewandte Chemie - International Edition, 2011, 50, 5965-5968.	7.2	46
108	Activation of SO 2 and CO 2 by Trivalent Uranium Leading to Sulfite/Dithionite and Carbonate/Oxalate Complexes. Chemistry - A European Journal, 2014, 20, 13501-13506.	1.7	46

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109	Intrinsically Activated SrTiO₃: Photocatalytic H₂ Evolution from Neutral Aqueous Methanol Solution in the Absence of Any Noble Metal Cocatalyst. ACS Applied Materials & Interfaces, 2018, 10, 29532-29542.	4.0	46
110	Reactivity of uranium(<scp>iv</scp>) bridged chalcogenido complexes U^{IV}â€“Eâ€“U^{IV}(E = S, Se) with elemental sulfur and selenium: synthesis of polychalcogenido-bridged uranium complexes. Chemical Science, 2014, 5, 942-950.	3.7	44
111	Advanced Photocatalysts: Pinning Single Atom Coâ€Catalysts on Titania Nanotubes. Advanced Functional Materials, 2021, 31, 2102843.	7.8	44
112	A Threeâ€Coordinate Copper(II) Amide from Reductive Cleavage of a Nitrosamine. Angewandte Chemie - International Edition, 2010, 49, 904-907.	7.2	43
113	Nacnacâ€Cobaltâ€Mediated P₄ Transformations. Chemistry - A European Journal, 2017, 23, 2716-2721.	1.7	43
114	Cyclo-P₃ Complexes of Vanadium: Redox Properties and Origin of the ³¹P NMR Chemical Shift. Journal of the American Chemical Society, 2015, 137, 15247-15261.	6.6	41
115	Spectroscopic and Computational Studies of Spin States of Iron(IV) Nitrido and Imido Complexes. Inorganic Chemistry, 2017, 56, 4751-4768.	1.9	41
116	Metal versus Ligand Reduction in Ln³⁺ Complexes of a Mesitylene-Anchored Tris(Aryloxide) Ligand. Inorganic Chemistry, 2018, 57, 2823-2833.	1.9	41
117	A Series of Uranium (IV, V, VI) Tritylimido Complexes, Their Molecular and Electronic Structures and Reactivity with CO₂. Inorganic Chemistry, 2014, 53, 13142-13153.	1.9	40
118	Fe(<scp>iv</scp>) alkylidenes via protonation of Fe(<scp>ii</scp>) vinyl chelates and a comparative MÃ¶ssbauer spectroscopic study. Chemical Science, 2015, 6, 4730-4736.	3.7	40
119	Molecular Spin Crossover in Slow Motion: Light-Induced Spin-State Transitions in Trigonal Prismatic Iron(II) Complexes. Inorganic Chemistry, 2016, 55, 5254-5265.	1.9	40
120	An Editorial About Elemental Analysis. Organometallics, 2016, 35, 3255-3256.	1.1	40
121	MagnÃ©li-Phases in Anatase Strongly Promote Cocatalyst-Free Photocatalytic Hydrogen Evolution. ACS Catalysis, 2019, 9, 3627-3632.	5.5	40
122	Selfâ€Enhancing H₂ Evolution from TiO₂ Nanostructures under Illumination. ChemSusChem, 2019, 12, 1900-1905.	3.6	40
123	One-Pot Synthesis of an Fe(II) Bis-Terpyridine Complex with Allosterically Regulated Electronic Properties. Journal of the American Chemical Society, 2012, 134, 16921-16924.	6.6	39
124	Iron and Chromium Complexes Containing Tridentate Chelates Based on Nacnac and Imino- and Methyl-Pyridine Components: Triggering Câ€"X Bond Formation. Inorganic Chemistry, 2014, 53, 7467-7484.	1.9	39
125	A Series of Iron Nitrosyl Complexes {Feâ€“NO}^{6â€“9} and a Fleeting {Feâ€“NO}¹⁰ Intermediate en Route to a Metalacyclic Iron Nitrosoalkane. Journal of the American Chemical Society, 2019, 141, 17217-17235.	6.6	39
126	Stable Coâ€Catalystâ€Free Photocatalytic H₂ Evolution From Oxidized Titanium Nitride Nanopowders. Angewandte Chemie - International Edition, 2015, 54, 13385-13389.	7.2	38

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127	Bimetallic Î¼-cyanoimide complexes prepared by NCN group transfer. Chemical Communications, 2001, , 125-126.	2.2	37
128	Characterization of an Ironâ€“Ruthenium Interaction in a Ferrocene Diamide Complex. Inorganic Chemistry, 2013, 52, 5603-5610.	1.9	37
129	Molybdenum and Tungsten Structural Differences are Dependent onnd_z²/(n+ 1)s Mixing: Comparisons of (silox)₃MX/R (M = Mo, W; silox =^tBu₃SiO). Inorganic Chemistry, 2008, 47, 7139-7153.	1.9	35
130	Catching Gaseous SO₂ in Coneâ€Type Lanthanide Complexes: An Unexpected Coordination Mode for SO₂ in fâ€Element Chemistry. Angewandte Chemie - International Edition, 2012, 51, 5006-5010.	7.2	35
131	Biomimetic [2Feâ€2S] Clusters with Extensively Delocalized Mixedâ€Valence Iron Centers. Angewandte Chemie - International Edition, 2015, 54, 12506-12510.	7.2	35
132	Electrocatalytic H₂O Reduction with f-Elements: Mechanistic Insight and Overpotential Tuning in a Series of Lanthanide Complexes. Journal of the American Chemical Society, 2018, 140, 2587-2594.	6.6	35
133	Synthesis of Bis(imino)pyridine Iron Amide and Ammonia Compounds from an Nâ^'H Transfer Agent. Inorganic Chemistry, 2009, 48, 5587-5589.	1.9	34
134	Hydrogenation of CO at a Uranium(III) Center. Angewandte Chemie - International Edition, 2011, 50, 9542-9544.	7.2	34
135	Electronic Structure and Reactivity of a Well-Defined Mononuclear Complex of Ti(II). Inorganic Chemistry, 2015, 54, 10380-10397.	1.9	34
136	Der Einfluss des nacnacâ€Liganden in der Eisen(I)â€vermittelten P₄â€Umwandlung. Angewandte Chemie, 2016, 128, 4412-4416.	1.6	34
137	Uranium(<scp>iv</scp>) terminal hydrosulfido and sulfido complexes: insights into the nature of the uraniumâ€“sulfur bond. Chemical Science, 2016, 7, 5857-5866.	3.7	34
138	From Chemical Curiosities and Trophy Molecules to Uranium-Based Catalysis: Developments for Uranium Catalysis as a New Facet in Molecular Uranium Chemistry. Jacs Au, 2021, 1, 698-709.	3.6	34
139	Cationic Two-Coordinate Complexes of Pd(I) and Pt(I) Have Longer Metal-Ligand Bonds Than Their Neutral Counterparts. CheM, 2016, 1, 902-920.	5.8	31
140	A Stable Crystalline Triarylphosphine Oxide Radical Anion. Angewandte Chemie - International Edition, 2016, 55, 13597-13601.	7.2	31
141	Transfer Reagent for Bonding Isomers of Iron Complexes. Journal of the American Chemical Society, 2017, 139, 13981-13984.	6.6	31
142	From a Molecular 2Feâ€2Se Precursor to a Highly Efficient Iron Diselenide Electrocatalyst for Overall Water Splitting. Angewandte Chemie, 2017, 129, 10642-10646.	1.6	31
143	A Copper(II) Thiolate from Reductive Cleavage of anS-Nitrosothiol. Inorganic Chemistry, 2012, 51, 8658-8660.	1.9	30
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