

Karsten Meyer

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292
papers

12,865
citations

63
h-index

100
g-index

316
ext. papers

14,117
ext. citations

9
avg, IF

6.58
L-index

#	Paper	IF	Citations
292	The biology and chemistry of high-valent iron-oxo and iron-nitrido complexes. <i>Nature Communications</i> , 2012 , 3, 720	17.4	367
291	Group 11 Metal Complexes of N-Heterocyclic Carbene Ligands: Nature of the MetalCarbene Bond. <i>Organometallics</i> , 2004 , 23, 755-764	3.8	341
290	Towards uranium catalysts. <i>Nature</i> , 2008 , 455, 341-9	50.4	337
289	A linear, O-coordinated eta ¹ -CO ₂ bound to uranium. <i>Science</i> , 2004 , 305, 1757-9	33.3	321
288	Synthesis, structure, and reactivity of an iron(V) nitride. <i>Science</i> , 2011 , 331, 1049-52	33.3	260
287	Reusable oxidation catalysis using metal-monocatecholato species in a robust metal-organic framework. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4965-73	16.4	227
286	A mononuclear Fe(III) single molecule magnet with a 3/2-\leftrightarrow5/2 spin crossover. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13651-61	16.4	225
285	Redox control of a ring-opening polymerization catalyst. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9278-81	16.4	213
284	Carbon dioxide activation with sterically pressured mid- and high-valent uranium complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12536-46	16.4	211
283	Small molecule activation at uranium coordination complexes: control of reactivity via molecular architecture. <i>Chemical Communications</i> , 2006 , 1353-68	5.8	206
282	Carbon dioxide reduction and carbon monoxide activation employing a reactive uranium(III) complex. <i>Journal of the American Chemical Society</i> , 2005 , 127, 11242-3	16.4	202
281	An iron nitride complex. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2681-4	16.4	201
280	Uranium tris-aryloxiide derivatives supported by triazacyclononane: engendering a reactive uranium(III) center with a single pocket for reactivity. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4565-71	16.4	186
279	Photolysis of cis- and trans-[Fe(III)(cyclam)(N ₃) ₂] ⁺ Complexes: Spectroscopic Characterization of a Nitridoiron(V) Species. <i>Journal of the American Chemical Society</i> , 1999 , 121, 4859-4876	16.4	186
278	Terminal cobalt(III) imido complexes supported by tris(carbene) ligands: imido insertion into the cobalt-carbene bond. <i>Journal of the American Chemical Society</i> , 2004 , 126, 16322-3	16.4	179
277	Silver Complexes of a Novel Tripodal N-Heterocyclic Carbene Ligand: Evidence for Significant MetalCarbene Interaction. <i>Organometallics</i> , 2003 , 22, 612-614	3.8	160
276	Catalytic C-H amination with unactivated amines through copper(II) amides. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8850-5	16.4	135

275	Copper complexes of nitrogen-anchored tripodal N-heterocyclic carbene ligands. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12237-45	16.4	135
274	Structural, spectroscopic, and theoretical elucidation of a redox-active pincer-type ancillary applied in catalysis. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3676-82	16.4	134
273	Dioxygen activation by a low-valent cobalt complex employing a flexible tripodal N-heterocyclic carbene ligand. <i>Journal of the American Chemical Society</i> , 2004 , 126, 13464-73	16.4	134
272	Synthesis and characterization of a uranium(II) monoarene complex supported by π -backbonding. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7158-62	16.4	129
271	Evidence for alkane coordination to an electron-rich uranium center. <i>Journal of the American Chemical Society</i> , 2003 , 125, 15734-5	16.4	127
270	Redox control of a polymerization catalyst by changing the oxidation state of the metal center. <i>Chemical Communications</i> , 2011 , 47, 9897-9	5.8	125
269	From a Molecular 2Fe-2Se Precursor to a Highly Efficient Iron Diselenide Electrocatalyst for Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10506-10510	16.4	117
268	Uranium-mediated electrocatalytic dihydrogen production from water. <i>Nature</i> , 2016 , 530, 317-21	50.4	116
267	Insights into the mechanism of carbonate formation through reductive cleavage of carbon dioxide with low-valent uranium centers. <i>Chemical Communications</i> , 2010 , 46, 3137-9	5.8	106
266	Synthesis and characterization of N-heterocyclic carbene complexes of uranium(III). <i>Inorganic Chemistry</i> , 2004 , 43, 855-7	5.1	104
265	Spin crossover in a four-coordinate iron(II) complex. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3824-7	16.4	103
264	A Bis-Carbenealkenyl Copper(I) Complex from a Tripodal Tris-Carbene Ligand. <i>Organometallics</i> , 2003 , 22, 3016-3018	3.8	103
263	TiO ₂ Nanotubes: Nitrogen-Ion Implantation at Low Dose Provides Noble-Metal-Free Photocatalytic H ₂ -Evolution Activity. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3763-7	16.4	102
262	Dinitrogen Cleavage Stemming from a Heterodinuclear Niobium/Molybdenum N ₂ Complex: New Nitridoniobium Systems Including a Niobazene Cyclic Trimer. <i>Organometallics</i> , 2000 , 19, 1622-1624	3.8	98
261	Structural and spectroscopic characterization of a charge-separated uranium benzophenone ketyl radical complex. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6567-76	16.4	94
260	Multiple-bond metathesis mediated by sterically pressured uranium complexes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2389-92	16.4	93
259	New tripodal N-heterocyclic carbene chelators for small molecule activation. <i>Journal of Organometallic Chemistry</i> , 2005 , 690, 5474-5484	2.3	93
258	Transition of TiO ₂ nanotubes to nanopores for electrolytes with very low water contents. <i>Electrochemistry Communications</i> , 2010 , 12, 1184-1186	5.1	91

257	Nitridocyanometalates of CrV, MnV, and MnVI □ <i>Inorganic Chemistry</i> , 1998 , 37, 1767-1775	5.1	90
256	An isolable and monomeric phosphorus radical that is resonance-stabilized by the vanadium(IV/V) redox couple. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3111-4	16.4	88
255	Crystal structure determination of the nonclassical 2-norbornyl cation. <i>Science</i> , 2013 , 341, 62-4	33.3	87
254	Activation of elemental S, Se and Te with uranium(III): bridging U(E)□ (E = S, Se) and diamond-core complexes U(E)2□ (E = O, S, Se, Te). <i>Chemical Science</i> , 2011 , 2, 1538	9.4	87
253	Enhanced visible light photocurrent generation at surface-modified TiO2 nanotubes. <i>Electrochimica Acta</i> , 2009 , 54, 2640-2646	6.7	85
252	Influence of steric pressure on the activation of carbon dioxide and related small molecules by uranium coordination complexes. <i>Dalton Transactions</i> , 2009 , 9677-91	4.3	84
251	Uranium-mediated carbon dioxide activation and functionalization. <i>Polyhedron</i> , 2012 , 32, 1-9	2.7	83
250	Nitridomanganese(V) and -(VI) Complexes Containing Macrocyclic Amine Ligands. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7260-7270	16.4	81
249	Synthesis and characterization of cerium and yttrium alkoxide complexes supported by ferrocene-based chelating ligands. <i>Inorganic Chemistry</i> , 2011 , 50, 2870-7	5.1	80
248	Hydrogenated anatase: strong photocatalytic dihydrogen evolution without the use of a co-catalyst. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14201-5	16.4	78
247	Uranium-ligand multiple bonding in uranyl analogues, [L?U?L]n+, and the inverse trans influence. <i>Inorganic Chemistry</i> , 2013 , 52, 529-39	5.1	77
246	Copper(II) anilides in sp□C-H amination. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10930-40	16.4	76
245	Synthesis of uranium(VI) terminal oxo complexes: molecular geometry driven by the inverse trans-influence. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5284-9	16.4	76
244	Uranium-mediated reductive conversion of CO2 to CO and carbonate in a single-vessel, closed synthetic cycle. <i>Chemical Communications</i> , 2012 , 48, 8634-6	5.8	75
243	From an FeP complex to FeP nanoparticles as efficient electrocatalysts for water-splitting. <i>Chemical Science</i> , 2018 , 9, 8590-8597	9.4	73
242	A new tripodal ligand system with steric and electronic modularity for uranium coordination chemistry. <i>Inorganic Chemistry</i> , 2009 , 48, 9419-26	5.1	72
241	A dinuclear Ni(I) system having a diradical Ni2N2 diamond core resting state: synthetic, structural, spectroscopic elucidation, and reductive bond splitting reactions. <i>Inorganic Chemistry</i> , 2008 , 47, 10479-90	5.1	70
240	An intermediate cobalt(IV) nitrido complex and its N-migratory insertion product. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15072-8	16.4	69

239	Carbonate Formation from CO ₂ via Oxo versus Oxalate Pathway: Theoretical Investigations into the Mechanism of Uranium-Mediated Carbonate Formation□ <i>Organometallics</i> , 2010 , 29, 5504-5510	3.8	69
238	Charge-separation in uranium diazomethane complexes leading to C-H activation and chemical transformation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 2806-16	16.4	69
237	Molecular and electronic structure of dinuclear uranium bis-Ebxo complexes with diamond core structural motifs. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11980-93	16.4	68
236	A new class of double alkyl-substituted, liquid crystalline imidazolium ionic liquids--a unique combination of structural features, viscosity effects, and thermal properties. <i>Chemical Communications</i> , 2009 , 7405-7	5.8	68
235	Synthesis and Catalytic Properties of Two Trinuclear Complexes of Rhodium and Iridium with the N-Heterocyclic Tris-carbene Ligand TIMENiPr. <i>Organometallics</i> , 2005 , 24, 3158-3162	3.8	67
234	Isolation and structural and electronic characterization of salts of the decamethylferrocene dication. <i>Science</i> , 2016 , 353, 678-82	33.3	66
233	Uranium complexes supported by an aryloxy functionalised triazacyclononane macrocycle: synthesis and characterisation of a six-coordinate U(III) species and insights into its reactivity. <i>Chemical Communications</i> , 2002 , 2764-5	5.8	66
232	Activation of Small Molecules by Molecular Uranium Complexes. <i>Progress in Inorganic Chemistry</i> , 2014 , 303-416		65
231	A planar three-coordinate vanadium(II) complex and the study of terminal vanadium nitrides from N ₂ : a kinetic or thermodynamic impediment to N-N bond cleavage?. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13035-45	16.4	65
230	Observation of the inverse trans influence (ITI) in a uranium(V) imide coordination complex: an experimental study and theoretical evaluation. <i>Inorganic Chemistry</i> , 2012 , 51, 6190-9	5.1	63
229	Synthesis of (–)-merrilactone A and (–)-anis lactone A. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9250-3	16.4	62
228	An Iron Nitride Complex. <i>Angewandte Chemie</i> , 2008 , 120, 2721-2724	3.6	61
227	Molecular and Electronic Structure of Nitridochromium(V) Complexes with Macrocyclic Amine Ligands. <i>Inorganic Chemistry</i> , 1998 , 37, 5180-5188	5.1	61
226	A new entry to N-heterocyclic carbene chemistry: synthesis and characterisation of a triscarbene complex of thallium(I). <i>Chemical Communications</i> , 2003 , 24-5	5.8	60
225	Reactions of Organic Nitriles with a Three-Coordinate Molybdenum(III) Complex and with a Related Molybdaziridine-Hydride. <i>Organometallics</i> , 2003 , 22, 2902-2913	3.8	59
224	Comparisons of lanthanide/actinide +2 ions in a tris(aryloxy)arene coordination environment. <i>Chemical Science</i> , 2017 , 8, 7424-7433	9.4	57
223	A cis-divacant octahedral and mononuclear iron(IV) imide. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14139-43	16.4	57
222	Manganese nitride complexes in oxidation states III, IV, and V: synthesis and electronic structure. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15538-44	16.4	56

221	Uranium Hexakisamido Complexes This work was supported by the National Science Foundation (CAREER Award CHE-9501992), the Alfred P. Sloan Foundation, the National Science Board (1998 Alan T. Waterman award to C.C.C.), and the Packard Foundation. K.M. thanks the Deutsche Forschungsgemeinschaft for a postdoctoral fellowship. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7154-7	16.4	56
220	Coordination and redox isomerization in the reduction of a uranium(III) monoarene complex. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7154-7	16.4	55
219	Influence of the nacnac Ligand in Iron(I)-Mediated P4 Transformations. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4340-4	16.4	55
218	A square-planar ruthenium(II) complex with a low-spin configuration. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7566-9	16.4	54
217	N-O bond homolysis of an iron(II) TEMPO complex yields an iron(III) oxo intermediate. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6516-9	16.4	53
216	Low-valent iron(i) amido olefin complexes as promoters for dehydrogenation reactions. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5766-71	16.4	52
215	Reactivity of U-E-U (E = S, Se) toward CO ₂ , CS ₂ , and COS: new mixed-carbonate complexes of the types U-CO ₂ E-U (E = S, Se), U-CS ₂ E-U (E = O, Se), and U-COSSe-U. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16877-81	16.4	52
214	Noble-Metal-Free Photocatalytic Hydrogen Evolution Activity: The Impact of Ball Milling Anatase Nanopowders with TiH. <i>Advanced Materials</i> , 2017 , 29, 1604747	24	51
213	Proline derived spirobarbiturates as highly effective beta-turn mimetics incorporating polar and functionalizable constraint elements. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3608-11	4.2	51
212	Cationic and neutral four-coordinate alkylidene complexes of vanadium(IV) containing short V=C bonds. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3156-9	16.4	51
211	The role of uranium-arene bonding in HO ₂ reduction catalysis. <i>Nature Chemistry</i> , 2018 , 10, 259-267	17.6	51
210	A neutral tetrakisphosphacyclobutadiene ligand in cobalt(I) complexes. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 1250-4	16.4	50
209	Formation of a uranium trithiocarbonate complex via the nucleophilic addition of a sulfide-bridged uranium complex to CS ₂ . <i>Inorganic Chemistry</i> , 2012 , 51, 781-3	5.1	49
208	Functionally selective dopamine D ₂ /D ₃ receptor agonists comprising an enyne moiety. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 5130-41	8.3	49
207	Synthesis and characterization of electron-rich nickel tris-carbene complexes. <i>Chemical Communications</i> , 2004 , 2164-5	5.8	49
206	Highlights in Uranium Coordination Chemistry. <i>Structure and Bonding</i> , 2008 , 119-176	0.9	48
205	Black Magic in Gray Titania: Noble-Metal-Free Photocatalytic H ₂ Evolution from Hydrogenated Anatase. <i>ChemSusChem</i> , 2017 , 10, 62-67	8.3	47
204	Formation of a Uranium-Bound η^5 -Cyaphide (CP) Ligand via Activation and C \equiv C Bond Cleavage of Phosphaethynolate (OCP) <i>Organometallics</i> , 2017 , 36, 4351-4354	3.8	47

203	Rationalizing Fabrication and Design Toward Highly Efficient and Stable Blue Light-Emitting Electrochemical Cells Based on NHC Copper(I) Complexes. <i>Advanced Functional Materials</i> , 2018 , 28, 1707423	15.6	47
202	C-C bond formation and related reactions at the CNC backbone in (smif)FeX (smif = 1,3-di-(2-pyridyl)-2-azaallyl): dimerizations, 3 + 2 cyclization, and nucleophilic attack; transfer hydrogenations and alkyne trimerization (X = N(TMS) ₂ , dpma = (di-(2-pyridyl-methyl)-amide)). <i>Inorganic Chemistry</i> , 2013 , 52, 3295-312	5.1	47
201	Reactivity studies of a masked three-coordinate vanadium(II) complex. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9871-5	16.4	47
200	Uranium(III) complexes with bulky aryloxy ligands featuring metal-arene interactions and their reactivity toward nitrous oxide. <i>Inorganic Chemistry</i> , 2013 , 52, 10552-8	5.1	46
199	Beneficial Effects of Liquid Crystalline Phases in Solid-State Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2013 , 3, 657-665	21.8	46
198	Uranium(III)-mediated C-C-coupling of terminal alkynes: formation of dinuclear uranium(IV) vinyl complexes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 12792-7	16.4	45
197	Water exchange reactivity and stability of cobalt polyoxometalates under catalytically relevant pH conditions: insight into water oxidation catalysis. <i>Inorganic Chemistry</i> , 2011 , 50, 9053-8	5.1	45
196	Solid-State Structures of Double-Long-Chain Imidazolium Ionic Liquids: Influence of Anion Shape on Cation Geometry and Crystal Packing. <i>Crystal Growth and Design</i> , 2011 , 11, 1974-1988	3.5	45
195	C-C bond formation through reductive coupling of CS ₂ to yield uranium tetrathiooxalate and ethylenetetrathiolate complexes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5965-8	16.4	43
194	A three-coordinate copper(II) amide from reductive cleavage of a nitrosamine. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 904-7	16.4	43
193	Enhanced In Vitro Biocompatibility and Water Dispersibility of Magnetite and Cobalt Ferrite Nanoparticles Employed as ROS Formation Enhancer in Radiation Cancer Therapy. <i>Small</i> , 2018 , 14, e170411	11.11	42
192	Assigning Electronic States in Carbon Nanodots. <i>Advanced Functional Materials</i> , 2016 , 26, 7975-7985	15.6	42
191	Uranium(IV) halide (F-, Cl-, Br-, and I-) monoarene complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 8418-24	5.1	42
190	Reductive cleavage of P ₄ by iron(I) centres: synthesis and structural characterisation of Fe ₂ (P ₂) ₂ complexes with two bridging P ₂ (2-) ligands. <i>Chemical Communications</i> , 2015 , 51, 6153-6	5.8	41
189	Pentacene appended to a TEMPO stable free radical: the effect of magnetic exchange coupling on photoexcited pentacene. <i>Journal of the American Chemical Society</i> , 2015 , 137, 857-63	16.4	41
188	Oxidation state delineation via U L(III)-edge XANES in a series of isostructural uranium coordination complexes. <i>Inorganic Chemistry</i> , 2012 , 51, 7940-4	5.1	41
187	Low-Valent Iron Mono-Diazadiene Compounds: Electronic Structure and Catalytic Application. <i>ACS Catalysis</i> , 2015 , 5, 6230-6240	13.1	39
186	Protonation of Ferrocene: A Low-Temperature X-ray Diffraction Study of [Cp FeH](PF ₆) Reveals an Iron-Bound Hydrido Ligand. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13372-13376	16.4	39

185	Noble-Metal-Free Photocatalytic H Generation: Active and Inactive Black TiO ₂ Nanotubes and Synergistic Effects. <i>Chemistry - A European Journal</i> , 2016 , 22, 13810-13814	4.8	38
184	Reactivity of uranium(IV) bridged chalcogenido complexes U(IV) (E = S, Se) with elemental sulfur and selenium: synthesis of polychalcogenido-bridged uranium complexes. <i>Chemical Science</i> , 2014 , 5, 942-950	9.4	38
183	Activation of SO ₂ and CO ₂ by trivalent uranium leading to sulfite/dithionite and carbonate/oxalate complexes. <i>Chemistry - A European Journal</i> , 2014 , 20, 13501-6	4.8	38
182	One-pot synthesis of an Fe(II) bis-terpyridine complex with allosterically regulated electronic properties. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16921-4	16.4	38
181	Tripodal carbene and aryloxy ligands for small-molecule activation at electron-rich uranium and transition metal centers. <i>Advances in Inorganic Chemistry</i> , 2008 , 1-30	2.1	38
180	Catalytic C-H Amination with Unactivated Amines through Copper(II) Amides. <i>Angewandte Chemie</i> , 2010 , 122, 9034-9039	3.6	37
179	Spectroscopic and Computational Studies of Spin States of Iron(IV) Nitrido and Imido Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 4752-4769	5.1	36
178	Long-alkyl-chain-derivatized imidazolium salts and ionic liquid crystals with tailor-made properties. <i>RSC Advances</i> , 2014 , 4, 12476-12481	3.7	36
177	Cyclo-P ₅ Complexes of Vanadium: Redox Properties and Origin of the ⁵¹ P NMR Chemical Shift. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15247-61	16.4	35
176	Fe(IV) alkylidenes protonation of Fe(II) vinyl chelates and a comparative Mössbauer spectroscopic study. <i>Chemical Science</i> , 2015 , 6, 4730-4736	9.4	35
175	Characterization of an iron-ruthenium interaction in a ferrocene diamide complex. <i>Inorganic Chemistry</i> , 2013 , 52, 5603-10	5.1	35
174	A Neutral Tetraphosphacyclobutadiene Ligand in Cobalt(I) Complexes. <i>Angewandte Chemie</i> , 2015 , 127, 1266-1270	3.6	33
173	A series of uranium (IV, V, VI) tritylimido complexes, their molecular and electronic structures and reactivity with CO ₂ . <i>Inorganic Chemistry</i> , 2014 , 53, 13142-53	5.1	33
172	Bimetallic Cyanoimide complexes prepared by NCN group transfer. <i>Chemical Communications</i> , 2001 , 125-126	5.8	33
171	Intrinsically Activated SrTiO ₃ : Photocatalytic H Evolution from Neutral Aqueous Methanol Solution in the Absence of Any Noble Metal Cocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29532-29542	9.5	32
170	Catching gaseous SO ₂ in cone-type lanthanide complexes: an unexpected coordination mode for SO ₂ in f-element chemistry. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 5006-10	16.4	32
169	Metal versus Ligand Reduction in Ln Complexes of a Mesitylene-Anchored Tris(Aryloxy) Ligand. <i>Inorganic Chemistry</i> , 2018 , 57, 2823-2833	5.1	31
168	Hydrogenated Anatase: Strong Photocatalytic Dihydrogen Evolution without the Use of a Co-Catalyst. <i>Angewandte Chemie</i> , 2014 , 126, 14425-14429	3.6	31

167	Stable Co-Catalyst-Free Photocatalytic H ₂ Evolution From Oxidized Titanium Nitride Nanopowders. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13385-9	16.4	31
166	Synthesis of bis(imino)pyridine iron amide and ammonia compounds from an N-H transfer agent. <i>Inorganic Chemistry</i> , 2009 , 48, 5587-9	5.1	31
165	Molybdenum and tungsten structural differences are dependent on ndz(2)/(n + 1)s mixing: comparisons of (silox) ₃ MX/R (M = Mo, W; silox = (t)Bu ₃ SiO). <i>Inorganic Chemistry</i> , 2008 , 47, 7139-53	5.1	31
164	Nacnac-Cobalt-Mediated P Transformations. <i>Chemistry - A European Journal</i> , 2017 , 23, 2716-2721	4.8	30
163	Iron and chromium complexes containing tridentate chelates based on nacnac and imino- and methyl-pyridine components: triggering C-X bond formation. <i>Inorganic Chemistry</i> , 2014 , 53, 7467-84	5.1	30
162	Molecular Spin Crossover in Slow Motion: Light-Induced Spin-State Transitions in Trigonal Prismatic Iron(II) Complexes. <i>Inorganic Chemistry</i> , 2016 , 55, 5254-65	5.1	30
161	Electronic Structure and Reactivity of a Well-Defined Mononuclear Complex of Ti(II). <i>Inorganic Chemistry</i> , 2015 , 54, 10380-97	5.1	28
160	Electrocatalytic HO ₂ Reduction with f-Elements: Mechanistic Insight and Overpotential Tuning in a Series of Lanthanide Complexes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2587-2594	16.4	28
159	Synthesis and characterization of (smif) ₂ M(n) (n = 0, M = V, Cr, Mn, Fe, Co, Ni, Ru; n = +1, M = Cr, Mn, Co, Rh, Ir; smif = 1,3-di-(2-pyridyl)-2-azaallyl). <i>Inorganic Chemistry</i> , 2011 , 50, 12414-36	5.1	28
158	Der Einfluss des nacnac-Liganden in der Eisen(I)-vermittelten P ₄ -Umwandlung. <i>Angewandte Chemie</i> , 2016 , 128, 4412-4416	3.6	28
157	An Editorial About Elemental Analysis. <i>Organometallics</i> , 2016 , 35, 3255-3256	3.8	28
156	Magn ^{II} -Phases in Anatase Strongly Promote Cocatalyst-Free Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2019 , 9, 3627-3632	13.1	27
155	Uranium(IV) terminal hydrosulfido and sulfido complexes: insights into the nature of the uranium-sulfur bond. <i>Chemical Science</i> , 2016 , 7, 5857-5866	9.4	27
154	Charge control of the inverse trans-influence. <i>Chemical Communications</i> , 2015 , 51, 16671-4	5.8	26
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12	Redox-Controlled and Reversible N-N Bond Forming and Splitting with an Iron Terminal Imido Ligand. <i>Inorganic Chemistry</i> , 2021 , 60, 13091-13100	5.1	1
11	Evaluation of Manganese Cubanoid Clusters for Water Oxidation Catalysis: From Well-Defined Molecular Coordination Complexes to Catalytically Active Amorphous Films. <i>ChemSusChem</i> , 2021 , 14, 4741-4751	8.3	1
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9	Carbon Nanodots: Assigning Electronic States in Carbon Nanodots (Adv. Funct. Mater. 44/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 8147-8147	15.6	0
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