William Brennessel

List of Publications by Year
in descending order

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287 papers	12,197 citations	30070 54 h-index	32842 100 g-index
304 all docs	304 docs citations	304 times ranked	10287 citing authors

#	Article	IF	Citations
1	Synthesis and molecular structure of half-sandwich ruthenium(II) complexes containing pyrazolyl ligands: Solvent induced geometrical change in Îº2-scorpionate supported complex. Journal of Molecular Structure, 2022, 1251, 132005.	3.6	0
2	Crystal structures of two novel iron isocyanides from the reaction of 2,6-dimethylphenyl isocyanide, CNXyl, with bis(anthracene)ferrate(â^'1). Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 60-65.	0.5	2
3	A TMEDAâ€"Iron Adduct Reaction Manifold in Ironâ€Catalyzed C(sp²)â^'C(sp³) Crossâ€Coupling Reactions. Angewandte Chemie - International Edition, 2022, 61, .	13.8	4
4	Syntheses and crystal structures of new naphthaleneâ€" and anthraceneâ€"vanadate salts and an unprecedented dimetallabis(anthracene) sandwich complex: [Na(tetrahydrofuran)₃][V₂(anthracene)₂]. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 148-163.	0.5	3
5	Oxygen-Atom Defect Formation in Polyoxovanadate Clusters via Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2022, 144, 5029-5041.	13.7	15
6	Charge-State Dependence of Proton Uptake in Polyoxovanadate-alkoxide Clusters. Inorganic Chemistry, 2022, 61, 4789-4800.	4.0	9
7	Synthesis and Characterization of Pyridine Dipyrrolide Uranyl Complexes. Inorganic Chemistry, 2022, 61, 6182-6192.	4.0	3
8	Mechanistic insight into rapid oxygen-atom transfer from a calix-functionalized polyoxovanadate. Chemical Communications, 2022, , .	4.1	2
9	Surface ligands influence the selectivity of cation uptake in polyoxovanadateâ€"alkoxide clusters. Journal of Materials Chemistry A, 2022, 10, 12070-12078.	10.3	5
10	Modelling local structural and electronic consequences of proton and hydrogen-atom uptake in VO₂ with polyoxovanadate clusters. Chemical Science, 2021, 12, 12744-12753.	7.4	9
11	Development of sterically hindered siloxide-functionalized polyoxotungstates for the complexation of 5d-metals. Dalton Transactions, 2021, 50, 4300-4310.	3.3	0
12	Alkyl Substituted Beta-Keto Acids: Molecular Structure and Decarboxylation Kinetics in Aqueous Solution and on the Surface of Metal Oxides. Journal of Physical Chemistry C, 2021, 125, 3368-3384.	3.1	5
13	Probing the Mechanism for 2,4â€²-Dihydroxyacetophenone Dioxygenase Using Biomimetic Iron Complexes. Inorganic Chemistry, 2021, 60, 7168-7179.	4.0	2
14	Mechanochemical Formation, Solution Rearrangements, and Catalytic Behavior of a Polymorphic Ca/K Allyl Complex. Chemistry - A European Journal, 2021, 27, 8195-8202.	3.3	7
15	Firstâ€Row Transition Metals Complexes with Fused Oxazolidine (FOX) Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1442-1448.	1.2	3
16	O₂ Activation with a Sterically Encumbered, Oxygen-Deficient Polyoxovanadate-Alkoxide Cluster. Inorganic Chemistry, 2021, 60, 13833-13843.	4.0	8
17	Dilithium Amides as a Modular Bis-Anionic Ligand Platform for Iron-Catalyzed Cross-Coupling. Organic Letters, 2021, 23, 5958-5963.	4.6	4
18	NHC Effects on Reduction Dynamics in Ironâ€Catalyzed Organic Transformations**. Chemistry - A European Journal, 2021, 27, 13651-13658.	3.3	2

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19	A synthetic small molecule stalls pre-mRNA splicing by promoting an early-stage U2AF2-RNA complex. Cell Chemical Biology, 2021, 28, 1145-1157.e6.	5.2	24
20	An Iron-Based Dehydration Catalyst for Selective Formation of Styrene. ACS Catalysis, 2021, 11, 10885-10891.	11.2	7
21	Concerted Multiprotonâ€“Multielectron Transfer for the Reduction of O₂ to H₂O with a Polyoxovanadate Cluster. Journal of the American Chemical Society, 2021, 143, 15756-15768.	13.7	24
22	Physicochemical implications of surface alkylation of high-valent, Lindqvist-type polyoxovanadate-alkoxide clusters. Nanoscale, 2021, 13, 6162-6173.	5.6	3
23	Iron polypyridyl complex adsorbed on carbon surfaces for hydrogen generation. Chemical Communications, 2021, 57, 7697-7700.	4.1	4
24	Silylation of Pyridine, Picolines, and Quinoline with a Zinc Catalyst. ACS Omega, 2020, 5, 1528-1539.	3.5	8
25	Site-Selective Halogenation of Polyoxovanadate Clusters: Atomically Precise Models for Electronic Effects of Anion Doping in VO₂. Journal of the American Chemical Society, 2020, 142, 1049-1056.	13.7	33
26	Synthesis and Characterization of Strongly Solvatochromic Molybdenum(III) Complexes. Inorganic Chemistry, 2020, 59, 705-716.	4.0	6
27	Hydrogen bonding promotes diversity in nitrite coordination modes at a single iron(II) center. Journal of Coordination Chemistry, 2020, 73, 2664-2676.	2.2	3
28	The Exceptional Diversity of Homoleptic Uraniumâ€“Methyl Complexes. Angewandte Chemie, 2020, 132, 13688-13692.	2.0	1
29	The Exceptional Diversity of Homoleptic Uraniumâ€“Methyl Complexes. Angewandte Chemie - International Edition, 2020, 59, 13586-13590.	13.8	16
30	One-Pot Double-Annulation Strategy for the Synthesis of Unusual Fused Bis-Heterocycles. Organic Letters, 2020, 22, 4350-4354.	4.6	18
31	Heterometallic trinuclear oxo-centered clusters as single-source precursors for synthesis of stoichiometric monodisperse transition metal ferrite nanocrystals. Dalton Transactions, 2020, 49, 16348-16358.	3.3	15
32	TMEDA in Ironâ€Catalyzed Hydromagnesiation: Formation of Iron(II)â€Alkyl Species for Controlled Reduction to Alkeneâ€Stabilized Iron(0). Angewandte Chemie - International Edition, 2020, 59, 17070-17076.	13.8	14
33	Electronic Consequences of Ligand Substitution at Heterometal Centers in Polyoxovanadium Clusters: Controlling the Redox Properties through Heterometal Coordination Number. Chemistry - A European Journal, 2020, 26, 9905-9914.	3.3	13
34	Site-selective halogenation of mixed-valent vanadium oxide clusters. Dalton Transactions, 2020, 49, 16184-16192.	3.3	6
35	Mechanistic insights into polyoxometalate self-assembly in organic solvent: conversion of a cyclic polyoxovanadate-ethoxide to its Lindqvist congener. Chemical Communications, 2020, 56, 8607-8610.	4.1	8
36	TMEDA in Ironâ€Catalyzed Hydromagnesiation: Formation of Iron(II)â€Alkyl Species for Controlled Reduction to Alkeneâ€Stabilized Iron(0). Angewandte Chemie, 2020, 132, 17218-17224.	2.0	4

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37	Crystal structures of {1,1,1-tris[(salicylaldimino)methyl]ethane}gallium as both a pyridine solvate and an acetonitrile 0.75-solvate and {1,1,1-tris[(salicylaldimino)methyl]ethane}indium dichloromethane solvate. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 615-620.	0.5	0
38	A Biomimetic System for Studying Salicylate Dioxygenase. ACS Symposium Series, 2019, 1317, 71-83.	0.5	0
39	Identification and Reactivity of Cyclometalated Iron(II) Intermediates in Triazole-Directed Iron-Catalyzed Câ€“H Activation. Journal of the American Chemical Society, 2019, 141, 12338-12345.	13.7	39
40	Crystal structures and spectroscopic characterization of MBr₂(CNXyl)_n (M = Fe and Co, n = 4; M = Ni, n = 2; Xyl = 2,6-dimethylphenyl), and of formally zero-valent iron as a cocrystal of Fe(CNXyl)₅ and Fe₂(CNXyl)₉. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1118-1127.	0.5	6
41	Oxygen atom transfer with organofunctionalized polyoxovanadium clusters: O-atom vacancy formation with tertiary phosphanes and deoxygenation of styrene oxide. Chemical Science, 2019, 10, 8035-8045.	7.4	25
42	Homoleptic Aryl Complexes of Uranium (IV). Angewandte Chemie, 2019, 131, 10372-10376.	2.0	4
43	Atom-Economical Ni-Catalyzed Diborylative Cyclization of Enynes: Preparation of Unsymmetrical Diboronates. Organic Letters, 2019, 21, 6552-6556.	4.6	26
44	Halide metathesis in overdrive: mechanochemical synthesis of a heterometallic group 1 allyl complex. Beilstein Journal of Organic Chemistry, 2019, 15, 1856-1863.	2.2	5
45	Isolation and Characterization of a Homoleptic Tetramethylcobalt(III) Distorted Square-Planar Complex. Organometallics, 2019, 38, 3486-3489.	2.3	1
46	Reversible Concerted Metalationâ€“Deprotonation Câ€“H Bond Activation by [Cp*RhCl₂]₂. Journal of Organic Chemistry, 2019, 84, 12960-12965.	3.2	17
47	Reduction of CO₂ by a masked two-coordinate cobalt(<scp>i</scp>) complex and characterization of a proposed oxodicobalt(<scp>ii</scp>) intermediate. Chemical Science, 2019, 10, 918-929.	7.4	44
48	The Effect of Î²â€Hydrogen Atoms on Iron Speciation in Crossâ€Couplings with Simple Iron Salts and Alkyl Grignard Reagents. Angewandte Chemie, 2019, 131, 2795-2799.	2.0	16
49	Tantalum isocyanide complexes: TaI(CNDipp)₆ (Dipp is 2,6-diisopropylphenyl) and ionic [Ta(CNDipp)₇][Ta(CNDipp)₆], a formal disproportionation product of the 17-electron Ta⁰ metalloradical Ta(CNDipp)₆. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 135-140.	0.5	1
50	A POCO type pincer complex of iridium: Synthesis, characterization, and catalysis. Polyhedron, 2019, 160, 83-91.	2.2	7
51	Mechanism of the Bis(imino)pyridine-Iron-Catalyzed Hydromagnesiation of Styrene Derivatives. Journal of the American Chemical Society, 2019, 141, 10099-10108.	13.7	30
52	Homoleptic Aryl Complexes of Uranium (IV). Angewandte Chemie - International Edition, 2019, 58, 10266-10270.	13.8	24
53	Ligand derivatization of titanium-functionalized polyoxovanadiumâ€“alkoxide clusters. Polyhedron, 2019, 167, 119-126.	2.2	4
54	Consequences of ligand derivatization on the electronic properties of polyoxovanadate-alkoxide clusters. Journal of Coordination Chemistry, 2019, 72, 1267-1286.	2.2	13

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55	Controlling Metal-to-Oxygen Ratios via Mâ•O Bond Cleavage in Polyoxovanadate Alkoxide Clusters. Inorganic Chemistry, 2019, 58, 10462-10471.	4.0	19
56	Transport and Electron Transfer Kinetics of Polyoxovanadate-Alkoxide Clusters. Journal of the Electrochemical Society, 2019, 166, A464-A472.	2.9	19
57	Synthesis, structure, and characterization of tris(1-ethyl-4-isopropyl-imidazolyl-Ò›N)phosphine nickel(II) complexes. Inorganica Chimica Acta, 2019, 489, 170-179.	2.4	1
58	An Organofunctionalized Polyoxovanadium Cluster as a Molecular Model of Interfacial Pseudocapacitance. ACS Applied Energy Materials, 2019, 2, 8985-8993.	5.1	17
59	Coordination or Oxidative Addition? Activation of Nâ€“H with [Tpâ€²Rh(PMe₃)]. Inorganic Chemistry, 2019, 58, 557-566.	4.0	7
60	Structural, spectroscopic, electrochemical, and magnetic properties for manganese(II) triazamacrocyclic complexes. Inorganica Chimica Acta, 2019, 486, 546-555.	2.4	5
61	The Effect of Î²â€Hydrogen Atoms on Iron Speciation in Crossâ€Couplings with Simple Iron Salts and Alkyl Grignard Reagents. Angewandte Chemie - International Edition, 2019, 58, 2769-2773.	13.8	41
62	Synthesis and characterization of a sterically encumbered homoleptic tetraalkyliron(III) ferrate complex. Polyhedron, 2019, 158, 91-96.	2.2	2
63	Niobium isocyanide complexes, Nb(CNAr)₆, with ArÂ= 2,6-dimethylphenyl (Xyl), a diamagnetic dimer containing four reductively coupled isocyanides, and ArÂ= 2,6-diisopropylphenyl (Dipp), a paramagnetic monomer analogous to the highly unstable hexacarbonylniobium(0). Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1259-1265.	0.5	5
64	Crystal structure of bromidopentakis(tetrahydrofuran-ÎºO)magnesium bis[1,2-bis(diphenylphosphanyl)benzene-Îº² P,Pâ€²]cobaltate(â€“1) tetrahydrofuran disolvate. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 304-307.	0.5	1
65	Site-selectivity in the halogenation of titanium-functionalized polyoxovanadateâ€“alkoxide clusters. Chemical Communications, 2018, 54, 6839-6842.	4.1	23
66	The Nâ€Methylpyrrolidone (NMP) Effect in Ironâ€Catalyzed Crossâ€Coupling with Simple Ferric Salts and MeMgBr. Angewandte Chemie - International Edition, 2018, 57, 6496-6500.	13.8	64
67	Effect of Carboxylate Ligands on Alkane Dehydrogenation with (^{dm}Phebox)Ir Complexes. ACS Catalysis, 2018, 8, 2326-2329.	11.2	11
68	Simple zinc complex to model substrate binding to zinc enzymes. Inorganica Chimica Acta, 2018, 473, 15-19.	2.4	4
69	Catalytic Upgrading of Ethanol to n-Butanol via Manganese-Mediated Guerbet Reaction. ACS Catalysis, 2018, 8, 997-1002.	11.2	141
70	NHC and nucleophile chelation effects on reactive iron(ii) species in alkylâ€“alkyl cross-coupling. Chemical Science, 2018, 9, 1878-1891.	7.4	28
71	Tuning the redox profiles of polyoxovanadate-alkoxide clusters via heterometal installation: toward designer redox Reagents. Dalton Transactions, 2018, 47, 3698-3704.	3.3	42
72	Comparison of the Self-Assembly Behavior of Fmoc-Phenylalanine and Corresponding Peptoid Derivatives. Crystal Growth and Design, 2018, 18, 623-632.	3.0	23

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73	The Nâ€Methylpyrrolidone (NMP) Effect in Ironâ€Catalyzed Crossâ€Coupling with Simple Ferric Salts and MeMgBr. Angewandte Chemie, 2018, 130, 6606-6610.	2.0	19
74	Lewis Acid Assisted Câ€“CN Cleavage of Benzonitrile Using [(dippe)NiH]2. Synlett, 2018, 29, 747-753.	1.8	5
75	Reactivity of iPrPCPIrH4 with para-benzoquinones. Polyhedron, 2018, 143, 209-214.	2.2	9
76	Synthesis of a gallium-functionalized polyoxovanadate-alkoxide cluster: Toward a general route for heterometal installation. Polyhedron, 2018, 156, 303-311.	2.2	21
77	Organic Functionalization of Polyoxovanadateâ€“Alkoxide Clusters: Improving the Solubility of Multimetallic Charge Carriers for Nonaqueous Redox Flow Batteries. ChemSusChem, 2018, 11, 4139-4149.	6.8	49
78	A Structural Model for the Ironâ€“Nitrosyl Adduct of Gentisate Dioxygenase. European Journal of Inorganic Chemistry, 2018, 2018, 4797-4804.	2.0	6
79	Combined Effects of Backbone and N-Substituents on Structure, Bonding, and Reactivity of Alkylated Iron(II)-NHCs. Organometallics, 2018, 37, 3093-3101.	2.3	16
80	Oxygen-Atom Vacancy Formation at Polyoxovanadate Clusters: Homogeneous Models for Reducible Metal Oxides. Journal of the American Chemical Society, 2018, 140, 8424-8428.	13.7	59
81	Crystal structures of two new six-coordinate iron(III) complexes with 1,2-bis(diphenylphosphane) ligands. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 803-807.	0.5	0
82	Iron and Cobalt Diazoalkane Complexes Supported by Î²-Diketiminate Ligands: A Synthetic, Spectroscopic, and Computational Investigation. Inorganic Chemistry, 2018, 57, 5959-5972.	4.0	15
83	Multinuclear ironâ€“phenyl species in reactions of simple iron salts with PhMgBr: identification of Fe4(Î¼-Ph)6(THF)4 as a key reactive species for cross-coupling catalysis. Chemical Science, 2018, 9, 7931-7939.	7.4	34
84	Diazoalkanes in Low-Coordinate Iron Chemistry: Bimetallic Diazoalkyl and Alkylidene Complexes of Iron(II). Inorganic Chemistry, 2017, 56, 1019-1022.	4.0	26
85	Neutral and Cationic Bis-Chelate Monoorganosilicon(IV) Complexes of 1-Hydroxy-2-pyridinone. Organometallics, 2017, 36, 594-604.	2.3	6
86	Synthesis, characterization, and reactivity of Cp*Rh(III) complexes having functional N,O chelate ligands. Journal of Organometallic Chemistry, 2017, 847, 28-32.	1.8	14
87	Photoinitiated treatment of Mycobacterium using Ru(II) isoniazid complexes. Inorganica Chimica Acta, 2017, 461, 261-266.	2.4	20
88	Additive-Free Cobalt-Catalyzed Hydrogenation of Esters to Alcohols. ACS Catalysis, 2017, 7, 3735-3740.	11.2	106
89	Intermediates and Reactivity in Iron-Catalyzed Cross-Couplings of Alkynyl Grignards with Alkyl Halides. Journal of the American Chemical Society, 2017, 139, 6988-7003.	13.7	46
90	Catalytic Dehydrogenative Câ€“C Coupling by a Pincer-Ligated Iridium Complex. Journal of the American Chemical Society, 2017, 139, 8977-8989.	13.7	35

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91	Polyoxovanadateâ€“Alkoxide Clusters as a Redox Reservoir for Iron. Inorganic Chemistry, 2017, 56, 7065-7080.	4.0	48
92	Unexpected Solvent Effects in the Isomerization of ^{iPr}PCPIr(Î·²â€PhCâ‰¡CPh) to a 1â€Iridaindene. Israel Journal of Chemistry, 2017, 57, 968-974.	2.3	2
93	C(sp²)â€“F Oxidative Addition of Fluorinated Aryl Ketones by ^{iPr}PCPIr. Organometallics, 2017, 36, 3125-3134.	2.3	10
94	Symmetric Assembly of a Sterically Encumbered Allyl Complex: Mechanochemical and Solution Synthesis of the Tris(allyl)beryllate, K[BeAâ€²3] (Aâ€² = 1,3-(SiMe3)2C3H3). Inorganics, 2017, 5, 36.	2.7	17
95	Crystal structure of chloridobis[(1,2,5,6-Î·)-cycloocta-1,5-diene]iridium(I). Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 273-277.	0.5	1
96	Nitrile coordination to rhodium does not lead to Câ€”H activation. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 850-852.	0.5	2
97	Effects of Ligand Halogenation on the Electron Localization, Geometry and Spin State of Lowâ€Coordinate (Î²â€Diketiminato)iron Complexes. European Journal of Inorganic Chemistry, 2016, 2016, 3344-3355.	2.0	9
98	Câ€“CN Bond Cleavage Using Palladium Supported by a Dippe Ligand. Organometallics, 2016, 35, 2010-2013.	2.3	19
99	Syntheses, Characterization, and Reactivity of Diruthenium Hydrido Complexes. Organometallics, 2016, 35, 1079-1085.	2.3	3
100	Mechanochemical Influence on the Stereoselectivity of Halide Metathesis: Synthesis of Group 15 Tris(allyl) Complexes. Organometallics, 2016, 35, 1698-1706.	2.3	25
101	Iron piano-stool complexes containing NHC ligands outfitted with pendent arms: synthesis, characterization, and screening for catalytic transfer hydrogenation. RSC Advances, 2016, 6, 88050-88056.	3.6	12
102	Synthesis, Characterization, and Reactivities of Molybdenum and Tungsten PONOP Pincer Complexes. Organometallics, 2016, 35, 3124-3131.	2.3	24
103	The Mechanism of Nâ€“N Double Bond Cleavage by an Iron(II) Hydride Complex. Journal of the American Chemical Society, 2016, 138, 12112-12123.	13.7	34
104	A comparative study of the photophysics of phenyl, thienyl, and chalcogen substituted rhodamine dyes. Photochemical and Photobiological Sciences, 2016, 15, 1417-1432.	2.9	17
105	Catalytic Light-Driven Generation of Hydrogen from Water by Iron Dithiolene Complexes. Journal of the American Chemical Society, 2016, 138, 11654-11663.	13.7	96
106	Reaction environment and ligand lability in group 4 Cp2MXY (X, Y = Cl, OtBu) complexes. Dalton Transactions, 2016, 45, 18635-18642.	3.3	11
107	Determination of Rhodiumâ€“Alkoxide Bond Strengths in Tpâ€²Rh(PMe₃)(OR)H. Inorganic Chemistry, 2016, 55, 9482-9491.	4.0	17
108	Self-Assembled, Iron-Functionalized Polyoxovanadate Alkoxide Clusters. Inorganic Chemistry, 2016, 55, 7332-7334.	4.0	47

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109	Formation of 5-membered metallacycles at iPrPCPIr by Câ€“H, Oâ€“H, and Câ€“CO bond cleavage. Polyhedron, 2016, 116, 38-46.	2.2	9
110	Isolation, Characterization, and Reactivity of Fe₈Me₁₂ ^{â€“}: Kochiâ€™s S = 1/2 Species in Iron-Catalyzed Cross-Couplings with MeMgBr and Ferric Salts. Journal of the American Chemical Society, 2016, 138, 7492-7495.	13.7	81
111	Rapid oxidative hydrogen evolution from a family of square-planar nickel hydride complexes. Chemical Science, 2016, 7, 117-127.	7.4	30
112	Efficient Bimolecular Mechanism of Photochemical Hydrogen Production Using Halogenated Boron-Dipyrromethene (Bodipy) Dyes and a Bis(dimethylglyoxime) Cobalt(III) Complex. Journal of Physical Chemistry B, 2016, 120, 527-534.	2.6	49
113	Crystal structures of tris[1-oxopyridine-2-olato(1â^’)]silicon(IV) chloride chloroform-d₁disolvate, tris[1-oxopyridine-2-olato(1â^’)]silicon(IV) chloride acetonitrile unquantified solvate, andfac-tris[1-oxopyridine-2-thiolato(1â^’)]silicon(IV) chloride chloroform-d₁disolvate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1531-1535.	0.5	3
114	Metal-Halogen Secondary Bonding in a 2,5-Dichlorohydroquinonate Cobalt(II) Complex: Insight into Substrate Coordination in the Chlorohydroquinone Dioxygenase PcpA. European Journal of Inorganic Chemistry, 2015, 2015, 4643-4647.	2.0	5
115	Synthesis and Characterization of 4-, 5-, and 6-Coordinate Tris(1-ethyl-4-isopropylimidazolyl-ÎºN)phosphine Cobalt(II) Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 2092-2100.	2.0	8
116	Crystal structure of a third polymorph of tris(acetylacetonato-Îº²O,Oâ€²)iron(III). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, m228-m229.	0.5	8
117	Cobalt(II) Complex of a Diazoalkane Radical Anion. Inorganic Chemistry, 2015, 54, 5148-5150.	4.0	22
118	Synthesis, structure and properties of tris(1-ethyl-4-isopropyl-imidazolyl-ÎºN)phosphine copper(II). Inorganica Chimica Acta, 2015, 434, 79-84.	2.4	2
119	Electrophilic Câ€“H activation of benzene with a Shilov-inspired rhodium(III) diimine complex. Journal of Organometallic Chemistry, 2015, 793, 192-199.	1.8	6
120	The crystal structures of tetrakis(Î¼-n-butyrato-Îº2O:Oâ€²)bis[bromidorhenium(III)] and tetrakis(Î¼-n-butyrato-Îº2O:Oâ€²)bis[chloridorhenium(III)] acetonitrile disolvate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1480-1484.	0.5	0
121	Oxalate Oxidase Model Studies â€“ Substrate Reactivity. European Journal of Inorganic Chemistry, 2015, 2015, 646-655.	2.0	5
122	Nickel Complexes for Robust Light-Driven and Electrocatalytic Hydrogen Production from Water. ACS Catalysis, 2015, 5, 1397-1406.	11.2	221
123	Light-driven generation of hydrogen: New chromophore dyads for increased activity based on Bodipy dye and Pt(diimine)(dithiolate) complexes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3987-96.	7.1	52
124	Oxidative Addition of Chlorohydrocarbons to a Rhodium Tris(pyrazolyl)borate Complex. Organometallics, 2015, 34, 1552-1566.	2.3	21
125	Room-Temperature Carbonâ€“Sulfur Bond Activation by a Reactive (dippe)Pd Fragment. Organometallics, 2015, 34, 1716-1724.	2.3	18
126	Oxidized and reduced [2Feâ€“2S] clusters from an iron(I) synthon. Journal of Biological Inorganic Chemistry, 2015, 20, 875-883.	2.6	21

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127	A Single Nickel Catalyst for the Acceptorless Dehydrogenation of Alcohols and Hydrogenation of Carbonyl Compounds. Organometallics, 2015, 34, 5203-5206.	2.3	106
128	Crystal structure of (18-crown-6)potassium(I) [(1,2,3,4,5-Î·)-cycloheptadienyl][(1,2,3-Î·)-cycloheptatrienyl]cobalt(I). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 291-295.	0.5	1
129	Spin Isomers and Ligand Isomerization in a Three-Coordinate Cobalt(I) Carbonyl Complex. Journal of the American Chemical Society, 2015, 137, 10689-10699.	13.7	25
130	Rapid, Regioconvergent, Solvent-Free Alkene Hydrosilylation with a Cobalt Catalyst. Journal of the American Chemical Society, 2015, 137, 13244-13247.	13.7	192
131	Synthesis, Characterization, and Nitrogenase-Relevant Reactions of an Iron Sulfide Complex with a Bridging Hydride. Journal of the American Chemical Society, 2015, 137, 13220-13223.	13.7	25
132	Spontaneous Transition of Self-assembled Hydrogel Fibrils into Crystalline Microtubes Enables a Rational Strategy To Stabilize the Hydrogel State. Langmuir, 2015, 31, 9933-9942.	3.5	48
133	Mechanistic Insights in the Exchange of Arylthiolate Groups in Aryl(arylthiolato)palladium Complexes Supported by a Dippe Ligand. Organometallics, 2015, 34, 4574-4580.	2.3	11
134	Investigation of Câ€“C Bond Activation of spâ€“sp² Câ€“C Bonds of Acetylene Derivatives via Photolysis of Pt Complexes. Organometallics, 2015, 34, 2233-2239.	2.3	9
135	Bis{(R)-N-[(R)-2-benzyloxy-1-(4-tert-butylphenyl)ethyl]-2-methylpropane-2-sulfinamide} monohydrate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o405-o406.	0.2	0
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137	Homoleptic 2,2â€²-bipyridine metalates(â€“I) of iron and cobalt, one cocrystallized with an anthracene radical anion and the other with neutral anthracene. Acta Crystallographica Section C, Structural Chemistry, 2014, 70, 828-832.	0.5	2
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