

Michael Findlater

List of Publications by Year in descending order

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73
papers

2,360
citations

186265

28
h-index

223800

46
g-index

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all docs

77
docs citations

77
times ranked

2356
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic dehydroaromatization of n-alkanes by pincer-ligated iridium complexes. <i>Nature Chemistry</i> , 2011, 3, 167-171.	13.6	177
2	Synthesis of <i>p</i> -Xylene from Ethylene. <i>Journal of the American Chemical Society</i> , 2012, 134, 15708-15711.	13.7	117
3	Electrochemical Arylation of Aldehydes, Ketones, and Alcohols: from Cathodic Reduction to Convergent Paired Electrolysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7275-7282.	13.8	100
4	Iron Catalyzed Hydroboration of Aldehydes and Ketones. <i>Journal of Organic Chemistry</i> , 2017, 82, 12857-12862.	3.2	95
5	Emergence and Applications of Base Metals (Fe, Co, and Ni) in Hydroboration and Hydrosilylation. <i>Molecules</i> , 2019, 24, 3194.	3.8	82
6	Synthesis, Crystal Structures, and Photophysical Properties of Homodinuclear Lanthanide Xanthene-9-carboxylates. <i>Inorganic Chemistry</i> , 2007, 46, 11025-11030.	4.0	81
7	Iron-Catalyzed Hydrosilylation of Aldehydes and Ketones under Solvent-Free Conditions. <i>Organometallics</i> , 2015, 34, 5051-5056.	2.3	74
8	Cobalt-Catalyzed Hydroboration of Alkenes, Aldehydes, and Ketones. <i>Organic Letters</i> , 2018, 20, 6695-6700.	4.6	73
9	A $\hat{\text{T}}^2$ -Diketiminato-Supported Boron Dication. <i>Journal of the American Chemical Society</i> , 2007, 129, 8436-8437.	13.7	71
10	Proton-Catalyzed Hydrogenation of a d^{8} Ir(I) Complex Yields a <i>trans</i> Ir(III) Dihydride. <i>Journal of the American Chemical Society</i> , 2010, 132, 4534-4535.	13.7	68
11	Polynuclear lanthanide-diketonato clusters for the catalytic hydroboration of carboxamides and esters. <i>Nature Catalysis</i> , 2020, 3, 154-162.	34.4	65
12	Nickel-Catalyzed Regioselective 1,4-Hydroboration of N-Heteroarenes. <i>ACS Catalysis</i> , 2018, 8, 6186-6191.	11.2	61
13	Dihydrogen Complexes of Iridium and Rhodium. <i>Inorganic Chemistry</i> , 2012, 51, 4672-4678.	4.0	58
14	Cobalt(II)-Catalyzed Stereoselective Olefin Isomerization: Facile Access to Acyclic Trisubstituted Alkenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 8910-8917.	13.7	58
15	1D Molecular Ladder of the Ionic Complex of Terbium-4-Sebacoylbis(1-phenyl-3-methyl-5-pyrazolonate) and Sodium Dibenzo-18-Crown-6: Synthesis, Crystal Structure, and Photophysical Properties. <i>Inorganic Chemistry</i> , 2008, 47, 7396-7404.	4.0	55
16	Synthesis and structure of two new (guanidinate)boron dichlorides and their attempted conversion to boron(i) derivatives. <i>Dalton Transactions</i> , 2008, , 4419.	3.3	55
17	Dual emission from stoichiometrically mixed lanthanide complexes of 3-phenyl-4-benzoyl-5-isoxazolone and 2,2'-bipyridine. <i>Journal of Materials Chemistry</i> , 2009, 19, 1425.	6.7	55
18	2-Thiopheneacetato-Based One-Dimensional Coordination Polymer of Tb ³⁺ : Enhancement of Terbium-Centered Luminescence in the Presence of Bidentate Nitrogen Donor Ligands. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4387-4394.	2.0	53

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19	Boron di- and tri-cations. Dalton Transactions, 2008, , 6421.	3.3	46
20	Electroreductive 4-Pyridylation of Electron-deficient Alkenes with Assistance of Ni(acac) ₂ . Organic Letters, 2020, 22, 3570-3575.	4.6	43
21	Isolation of an intermediate in the insertion of a carbodiimide into a boron-aryl bond. Chemical Communications, 2005, , 5462.	4.1	38
22	Characterization and photocatalytic behavior of 2,9-di(aryl)-1,10-phenanthroline copper(<i>scpi</i>) complexes. Dalton Transactions, 2017, 46, 6553-6569.	3.3	38
23	Transition metal- and solvent-free double hydroboration of nitriles. Green Chemistry, 2020, 22, 1125-1128.	9.0	38
24	Synthesis and reactivity of tetrakis(imino)pyracene (TIP) ligands; bifunctional analogues of the BIAN ligand class. Chemical Communications, 2008, , 1918.	4.1	33
25	Alkane Dehydrogenation. Catalysis By Metal Complexes, 2012, , 113-141.	0.6	31
26	Synthesis, characterization and reactivity of iron- and cobalt-pincer complexes. Polyhedron, 2016, 114, 286-291.	2.2	31
27	A single-bonded cationic terminal borylene complex. Chemical Communications, 2006, , 3786.	4.1	30
28	Amidinate-substituted boron halides: Synthesis and structure. Polyhedron, 2006, 25, 983-988.	2.2	29
29	Role of Coordination Geometry in Dictating the Barrier to Hydride Migration in d ⁶ -Square-Pyramidal Iridium and Rhodium Pincer Complexes. Journal of the American Chemical Society, 2011, 133, 12274-12284.	13.7	27
30	Cobalt catalysed reduction of CO ₂ via hydroboration. Dalton Transactions, 2018, 47, 8199-8203.	3.3	27
31	Synthetic and structural chemistry of amidinate-substituted boron halides. Dalton Transactions, 2005, , 3229.	3.3	26
32	BIAN-Fe(6-H): Synthesis, characterization, and lactide polymerization. Journal of Polymer Science Part A, 2017, 55, 2824-2830.	2.3	26
33	Conversion of aldimines to secondary amines using iron-catalysed hydrosilylation. Organic and Biomolecular Chemistry, 2018, 16, 9368-9372.	2.8	26
34	Synthesis and characterization of a η^2 -diketiminate-supported aluminum dication. Journal of Organometallic Chemistry, 2007, 692, 5683-5686.	1.8	25
35	Applications of catalysis in hydroboration of imines, nitriles, and carbodiimides. Organic and Biomolecular Chemistry, 2022, 20, 3675-3702.	2.8	24
36	The synthesis and characterization of [IMesH]+[(<i>i</i> -3-C5H5)V(N)Cl2] ⁻ : An anionic vanadium(v) complex with a terminal nitrido ligand. Dalton Transactions, 2010, 39, 3482.	3.3	23

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37	Diboron complexes of binucleating bis(amidinate) ligands. <i>Inorganica Chimica Acta</i> , 2007, 360, 1316-1322.	2.4	22
38	A $\hat{\nu}^2$ -diketiminato hydroxyphosphenium cation: phosphinous acid $\hat{\nu}$ secondary phosphine oxidetautomerism revisited. <i>Chemical Communications</i> , 2008, , 184-186.	4.1	21
39	Synthesis and Characterization of Terpyridine-Supported Boron Cations: Evidence for Pentacoordination at Boron. <i>Inorganic Chemistry</i> , 2013, 52, 13865-13868.	4.0	21
40	Selective aldol condensation or cyclotrimerization reactions catalyzed by FeCl ₃ . <i>Tetrahedron Letters</i> , 2015, 56, 2406-2411.	1.4	19
41	Synthesis and structures of boron dihalides supported by the C ₆ F ₅ -substituted $\hat{\nu}^2$ -diketiminate ligand [HC(CMe) ₂ (NC ₆ F ₅) ₂] $\hat{\nu}$. <i>Dalton Transactions</i> , 2008, , 2293.	3.3	18
42	Hydroboration of Alkenes and Alkynes Employing Earth $\hat{\nu}$ Abundant Metal Catalysts. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 416-420.	2.7	18
43	Catalyst-Dependent Direct and Deoxygenative Coupling of Alcohols by Convergent Paired Electrolysis. <i>CCS Chemistry</i> , 2022, 4, 1938-1948.	7.8	18
44	Formation of Iridium(III) Allene Complexes via Isomerization of Internal Alkynes. <i>Organometallics</i> , 2014, 33, 16-18.	2.3	17
45	Vibrational frequency analysis, FT-IR, DFT and M06-2X studies on tert-Butyl N-(thiophen-2yl)carbamate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 46-53.	3.9	17
46	Electrochemical Arylation of Aldehydes, Ketones, and Alcohols: from Cathodic Reduction to Convergent Paired Electrolysis. <i>Angewandte Chemie</i> , 2021, 133, 7351-7358.	2.0	17
47	Progress in Convergent Paired Electrolysis. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	17
48	Iron(III)-Catalyzed Dimerization of Cycloolefins: Synthesis of High-Density Fuel Candidates. <i>Energy & Fuels</i> , 2015, 29, 8162-8167.	5.1	16
49	Iron catalysed selective reduction of esters to alcohols. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1834-1838.	2.8	16
50	Iron-catalysed hydroboration of non-activated imines and nitriles: kinetic and mechanistic studies. <i>RSC Advances</i> , 2021, 11, 15284-15289.	3.6	15
51	Cobalt- and iron-catalyzed regiodivergent alkene hydrosilylations. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2174-2181.	4.5	15
52	Structural diversity in schiff base complexes of Ga(III), In(III), Pb(II), and Zn(II): Precursors and model systems for conducting metallopolymer. <i>Main Group Chemistry</i> , 2010, 9, 167-191.	0.8	14
53	Mechanism of the Iron(0)-Catalyzed Hydrosilylation of Aldehydes: A Combined DFT and Experimental Investigation. <i>Organometallics</i> , 2019, 38, 4105-4114.	2.3	13
54	Tetrakis(imino)pyracene Complexes Exhibiting Multielectron Redox Processes. <i>Journal of the American Chemical Society</i> , 2012, 134, 176-178.	13.7	12

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55	Benchtop synthesis and crystal structure determination of a monomeric N-heterocyclic carbene complex of copper(I) chloride. <i>Transition Metal Chemistry</i> , 2010, 35, 415-418.	1.4	11
56	Synthesis, characterization, electrochemical properties and theoretical calculations of (BIAN) iron complexes. <i>Polyhedron</i> , 2019, 159, 365-374.	2.2	9
57	Cobalt-Catalyzed Alkylation of Nitriles with Alcohols. <i>Organometallics</i> , 2022, 41, 3145-3151.	2.3	9
58	Synthesis, structures, photophysical properties, and catalytic characteristics of 2,9-dimesityl-1,10-phenanthroline (dmesp) transition metal complexes. <i>Journal of Polymer Science</i> , 2020, 58, 1130-1143.	3.8	8
59	A Simple and Convenient Method for the Synthesis of N,N-Diaryl Tertiary Amines. <i>Synthesis</i> , 2014, 46, 1046-1051.	2.3	7
60	Synthesis, characterization and reactivity of iridium pincer complexes. <i>Polyhedron</i> , 2018, 143, 126-131.	2.2	7
61	Cobalt-Catalyzed Isomerization of Alkenes. <i>Synthesis</i> , 2021, 53, 2787-2797.	2.3	7
62	Synthesis and Structure of Boron-Bithiazole Complexes. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 5379-5382.	2.0	6
63	Experimental and Computational Studies of Phosphine Ligand Displacement in Iridium Pincer Complexes Employing Pyridine or Acetonitrile. <i>Organometallics</i> , 2020, 39, 3461-3468.	2.3	6
64	Selective Removal of Barium and Hardness Ions from Brackish Water with Chemically Enhanced Electrodialysis. <i>ACS ES&T Water</i> , 2022, 2, 288-298.	4.6	6
65	Pentacarbonyl(trimethylamine)chromium and Pentacarbonyl(trimethylamine)molybdenum. <i>Journal of Chemical Crystallography</i> , 2010, 40, 64-66.	1.1	5
66	Thiophene-2-carbonyl azide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1298-o1298.	0.2	5
67	Isomerization of Internal Alkynes to Iridium(III) Allene Complexes via C-H Bond Activation: Expanded Substrate Scope, and Progress towards a Catalytic Methodology. <i>Molecules</i> , 2015, 20, 20195-20205.	3.8	4
68	Valence isomer of a λ^2 -diketiminate-supported phosphinidene: a case of C-H activation and ring contraction. <i>Chemical Communications</i> , 2007, , 2873-2875.	4.1	2
69	Pincer Complexes of Iron and Their Application in Catalysis. , 2018, , 327-339.		2
70	Pioneers and Influencers in Organometallic Chemistry: Dr. Alan H. Cowley and the Renaissance of Main-Group Organometallics. <i>Organometallics</i> , 2021, 40, 3855-3857.	2.3	1
71	tert-ButylN-(thiophen-2-yl)carbamate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1413-o1413.	0.2	0
72	Non-Selective Dimerization of Vinyl Silanes by the Putative (Phenanthroline)PdMe Cation to 1,4-Bis(trialkoxysilyl)butenes. <i>Inorganics</i> , 2018, 6, 102.	2.7	0

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73	Kolbe reaction goes reductive. , 0, , .		0