

Michael J Kelly

List of Publications by Year in descending order

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21
papers

878
citations

516710

16
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1459
citing authors

#	ARTICLE	IF	CITATIONS
1	The structure and binding mode of citrate in the stabilization of gold nanoparticles. <i>Nature Chemistry</i> , 2017, 9, 890-895.	13.6	222
2	Stable GaX ₂ , InX ₂ and TlX ₂ radicals. <i>Nature Chemistry</i> , 2014, 6, 315-319.	13.6	101
3	Conversion of actual flue gas CO ₂ via cycloaddition to propylene oxide catalyzed by a single-site, recyclable zirconium catalyst. <i>Journal of CO₂ Utilization</i> , 2017, 20, 243-252.	6.8	60
4	Modelling fundamental arene-borane contacts: spontaneous formation of a dibromoborenium cation driven by interaction between a borane Lewis acid and an arene π system. <i>Chemical Communications</i> , 2011, 47, 12295.	4.1	57
5	η ⁵ -Alane Complexes of Chromium, Tungsten, and Manganese. <i>Journal of the American Chemical Society</i> , 2012, 134, 2551-2554.	13.7	49
6	Formation of sub-valent carbenoid ligands by metal-mediated dehydrogenation chemistry: coordination and activation of H ₂ Ga{(NDippCMe) ₂ CH}. <i>Chemical Science</i> , 2013, 4, 4245.	7.4	49
7	Salt metathesis for the synthesis of M-Al and M-H-Al bonds. <i>Dalton Transactions</i> , 2013, 42, 249-258.	3.3	47
8	Borane to Boryl Hydride to Borylene Dihydride: Explicit Demonstration of Boron-to-Metal H-Hydride Migration in Aminoborane Activation. <i>Journal of the American Chemical Society</i> , 2011, 133, 11500-11503.	13.7	42
9	Hydrogen shuttling: synthesis and reactivity of a 14-electron iridium complex featuring a bis(alkyl) tethered N-heterocyclic carbene ligand. <i>Chemical Communications</i> , 2012, 48, 11999.	4.1	28
10	Aminoborane η ⁵ Complexes: Significance of Hydride Co-ligands in Dynamic Processes and Dehydrogenative Borylene Formation. <i>Organometallics</i> , 2013, 32, 1583-1586.	2.3	28
11	Sterically Encumbered Iridium Bis(N-heterocyclic carbene) Complexes: Air-Stable 14-Electron Cations and Facile Degenerate C-H Activation. <i>Organometallics</i> , 2012, 31, 8075-8078.	2.3	27
12	Probing the influence of steric bulk on anion binding by triarylboranes: comparative studies of FcB(o-Tol) ₂ , FcB(o-Xyl) ₂ and FcBMes ₂ . <i>Dalton Transactions</i> , 2011, 40, 10345.	3.3	23
13	Frustrated Lewis Pairs as Molecular Receptors: Colorimetric and Electrochemical Detection of Nitrous Oxide. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14094-14097.	13.8	23
14	Modulating reactivity in iridium bis(N-heterocyclic carbene) complexes: influence of ring size on E-H bond activation chemistry. <i>Dalton Transactions</i> , 2014, 43, 12288-12298.	3.3	22
15	Tuning Main Group Redox Chemistry through Steric Loading: Subvalent Group 13 Metal Complexes of Carbazolyl Ligands. <i>Chemistry - A European Journal</i> , 2011, 17, 5381-5386.	3.3	20
16	Syntheses and Anion Binding Capabilities of Bis(diarylboryl) Ferrocenes and Related Systems. <i>Organometallics</i> , 2013, 32, 2674-2684.	2.3	20
17	Synthetic, redox and coordination chemistry of bis(pentachlorophenyl)boryl ferrocene, FcB(C ₆ Cl ₅) ₂ . <i>Journal of Organometallic Chemistry</i> , 2014, 769, 11-16.	1.8	16
18	Extending the Chain: Synthetic, Structural, and Reaction Chemistry of a BN Allenylidene Analogue. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8908-8911.	13.8	14

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19	Carbazole nematic liquid crystals. <i>Liquid Crystals</i> , 2010, 37, 1289-1303.	2.2	13
20	Frustrated Lewis pairs incorporating the bifunctional Lewis acid 1,1- $\text{C}_6\text{F}_5\text{B}_2$: reactivity towards small molecules. <i>Dalton Transactions</i> , 2018, 47, 1588-1598.	3.3	5
21	Synthesis and Reactivity of Half-Sandwich Ruthenium η^2 -Aminoborane Complexes. <i>Australian Journal of Chemistry</i> , 2013, 66, 1211.	0.9	1