

Richard A Kemp

List of Publications by Year in descending order

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49
papers

1,300
citations

361413

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52
all docs

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docs citations

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times ranked

1465
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#	ARTICLE	IF	CITATIONS
1	Insertion of Molecular Oxygen into a Palladium(II) Hydride Bond. <i>Journal of the American Chemical Society</i> , 2006, 128, 2508-2509.	13.7	167
2	Structurally simple complexes of CO ₂ . <i>Chemical Communications</i> , 2015, 51, 3942-3956.	4.1	120
3	Synthesis, Characterization, and Reactivity of Nickel Hydride Complexes Containing 2,6-C ₆ H ₃ (CH ₂ PR ₂) ₂ (R = tBu, cHex, and iPr) Pincer Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 5081-5087.	4.0	86
4	Mechanism of Direct Molecular Oxygen Insertion in a Palladium(II) Hydride Bond. <i>Inorganic Chemistry</i> , 2006, 45, 9631-9633.	4.0	81
5	Hydrogenolysis of Palladium(II) Hydroxide and Methoxide Pincer Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 1346-1347.	13.7	64
6	Hydrogenolysis of Palladium(II) Hydroxide, Phenoxide, and Alkoxide Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 17713-17726.	13.7	64
7	Insertion Reactions of Carbon Dioxide into Zn-N Bonds: Syntheses and Structures of Tetrameric and Dimeric Alkylzinc Carbamate Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 359-364.	4.0	51
8	Insertion of Carbon Dioxide into Mg-N Bonds. Structural Characterization of a Previously Unknown η^2 -Chelation Mode to Magnesium in Magnesium Carbamates. <i>Organometallics</i> , 2004, 23, 4788-4791.	2.3	46
9	Syntheses and Characterization of Palladium Complexes with a Hemilabile σ -PCO-Pincer Ligand. <i>Organometallics</i> , 2011, 30, 1627-1636.	2.3	46
10	Formation of a Reversible, Intramolecular Main-Group Metal-CO ₂ Adduct. <i>Inorganic Chemistry</i> , 2011, 50, 11288-11290.	4.0	44
11	Pyrazole-Based PCN Pincer Complexes of Palladium(II): Mono- and Dinuclear Hydroxide Complexes and Ligand Rollover C-H Activation. <i>Organometallics</i> , 2015, 34, 3998-4010.	2.3	42
12	Insertion of Carbon Dioxide into Main-Group Complexes: Formation of the [N(CO ₂) ₃] ³⁻ Ligand. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9955-9957.	13.8	35
13	Synthesis and structural characterization of solvated calcium amides containing bulky silylamide ligands. <i>Inorganica Chimica Acta</i> , 2005, 358, 2014-2022.	2.4	33
14	Facilitated carbon dioxide reduction using a Zn(η^2) complex. <i>Chemical Communications</i> , 2016, 52, 1685-1688.	4.1	32
15	The selective insertion of carbon dioxide into a lanthanide(III) 2,6-di- <i>t</i> -butyl-phenoxide bond. <i>Polyhedron</i> , 2012, 42, 258-264.	2.2	27
16	Synthesis and Structural Characterization of Magnesium Amide Complexes Containing η^2 -N[(R)(SiMe ₃)] Ligands. <i>Organometallics</i> , 2005, 24, 836-841.	2.3	26
17	Reactions of CO ₂ and related heteroallenes with CF ₃ -substituted aromatic silylamines of tin. <i>Polyhedron</i> , 2012, 32, 14-23.	2.2	25
18	Insertion reactions of CO ₂ , OCS, and CS ₂ into the Sn-N bonds of (Me ₂ N) ₂ Sn: NMR and X-ray structural characterization of the products. <i>Inorganica Chimica Acta</i> , 2011, 376, 73-79.	2.4	23

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19	Synthesis and Characterization of Structurally Diverse Alkaline-Earth Salen Compounds for Subterranean Fluid Flow Tracking. <i>Inorganic Chemistry</i> , 2018, 57, 2402-2415.	4.0	23
20	NH/PH Isomerization and a Lewis Pair for Carbon Dioxide Capture. <i>Inorganic Chemistry</i> , 2013, 52, 8312-8314.	4.0	21
21	Formation of Phosphino-Substituted Isocyanate by Reaction of CO ₂ with Group 2 Complexes Based on the (Me ₃ Si)(i-Pr) ₂ P)NH Ligand. <i>Inorganic Chemistry</i> , 2012, 51, 1162-1169.	4.0	20
22	Syntheses and X-ray crystal structures of monomeric zinc and mercury bis(silylamides). <i>Polyhedron</i> , 2005, 24, 1093-1100.	2.2	17
23	Synthesis and Characterization of Anionic, Neutral, and Cationic PNP Pincer Pd ^{II} and Pt ^{II} Hydrides. <i>Organometallics</i> , 2014, 33, 2503-2509.	2.3	16
24	Rapid, Reversible, Solid-Gas and Solution-Phase Insertion of CO ₂ into In-P Bonds. <i>Inorganic Chemistry</i> , 2015, 54, 11121-11126.	4.0	16
25	Structures and CO ₂ Reactivity of Zinc Complexes of Bis(diisopropyl-) and Bis(diphenylphosphino)amines. <i>Organometallics</i> , 2014, 33, 6511-6518.	2.3	14
26	Unexpected formal insertion of CO ₂ into the C-Si bonds of a zinc compound. <i>Chemical Communications</i> , 2015, 51, 15804-15807.	4.1	14
27	Synthesis and Characterization of Divalent Main Group Diamides and Reactions with CO ₂ . <i>ACS Symposium Series</i> , 2005, , 410-421.	0.5	12
28	Reaction of a monomeric titanium hydride with dioxygen does not produce a stable titanium hydroperoxide. <i>Inorganic Chemistry Communication</i> , 2011, 14, 531-533.	3.9	12
29	Insertion of CO ₂ into divalent group 2 and 12 bis(silylamides). <i>Main Group Chemistry</i> , 2012, 11, 13-29.	0.8	12
30	Activation of CO ₂ and CS ₂ by (Me ₃ Si)(i-Pr) ₂ P)NH and its zinc complex. <i>Polyhedron</i> , 2013, 58, 92-98.	2.2	12
31	Two new bulky amido ligands useful for the preparation of metal complexes and examples of their reactivity. <i>Inorganica Chimica Acta</i> , 2006, 359, 775-781.	2.4	11
32	An unprecedented bonding mode for potassium within a PCP-pincer palladium hydride-K-Selectride® complex. <i>Inorganic Chemistry Communication</i> , 2008, 11, 1426-1429.	3.9	10
33	Nickel(II) and nickel(0) complexes of bis(diisopropylphosphino)amine: Synthesis, structure, and electrochemical activity. <i>Inorganica Chimica Acta</i> , 2016, 453, 42-50.	2.4	10
34	Structure and Lewis-base reactivity of bicyclic low-valent germanium and tin complexes bridged by bis(diisopropylphosphino)amine. <i>Polyhedron</i> , 2016, 114, 351-359.	2.2	9
35	Synthesis and characterization of thallium-salen derivatives for use as underground fluid flow tracers. <i>Dalton Transactions</i> , 2018, 47, 4162-4174.	3.3	9
36	Crystallization of electrically conductive visibly transparent ITO thin films by wavelength-range-specific pulsed Xe arc lamp annealing. <i>Journal of Materials Science</i> , 2018, 53, 12949-12960.	3.7	9

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37	Heavy Metals Make a Chain: A Catenated Bismuth Compound. <i>Chemistry - A European Journal</i> , 2020, 26, 7711-7719.	3.3	6
38	Investigation of metal cyclam complexes as potential catalysts for the production of dimethyl carbonate. <i>Inorganica Chimica Acta</i> , 2012, 392, 268-276.	2.4	5
39	P- and N-Coordination of the Ambidentate Ligand $\text{HN}[\text{P}(\text{Pr})_2]_2$ with Group 13 Trihalides. <i>Inorganic Chemistry</i> , 2017, 56, 7292-7300.	4.0	5
40	Hydrogenolysis of Dinuclear PCNR Ligated Pd II Hydroxides and Their Mononuclear Pd II Hydroxide Analogues. <i>Chemistry - A European Journal</i> , 2019, 25, 9920-9929.	3.3	5
41	The Effect of the cis-donor in pincer ligands on hydrogenolysis of Pd-OH: A DFT study. <i>Journal of Organometallic Chemistry</i> , 2017, 845, 165-170.	1.8	4
42	Computational Evaluation of Mg-Salen Compounds as Subsurface Fluid Tracers: Molecular Dynamics Simulations in Toluene-Water Mixtures and Clay Mineral Nanopores. <i>Energy & Fuels</i> , 2018, 32, 4969-4978.	5.1	4
43	Zwitterionic CS ₂ Adducts of Bis(dialkylphosphino)amines: Syntheses, Spectroscopy, and Structures. <i>Australian Journal of Chemistry</i> , 2015, 68, 351.	0.9	3
44	Low-temperature preparation of crystalline barium sulfide. <i>Applied Organometallic Chemistry</i> , 2005, 19, 803-805.	3.5	1
45	Yellow and blue make green: The importance of stoichiometry in the reaction of 1,4-bis(2,6-diisopropylphenyl)-1,4-diazabutadiene with dimethylgallium chloride. <i>Main Group Chemistry</i> , 2010, 9, 11-21.	0.8	1
46	Crystal structure of catena-poly[diammonium [di- μ_4 -oxalato-cuprate(II)]]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016, 72, 1780-1782.	0.5	1
47	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
48	Synthesis and characterization of metal (M = Al or Ga) 2-phosphino(phenolate/benzenethiolate) complexes and their electrochemical behavior in the presence of CO ₂ . <i>Main Group Chemistry</i> , 2017, 16, 307-319.	0.8	0
49	Alan Herbert Cowley. 29 January 1934–2 August 2020. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2022, 72, 139-160.	0.1	0