

# Richard A Kemp

## List of Publications by Year in descending order

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49  
papers

1,300  
citations

361413

20  
h-index

345221

36  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alan Herbert Cowley. 29 January 1934–2 August 2020. Biographical Memoirs of Fellows of the Royal Society, 2022, 72, 139-160.	0.1	0
2	Pioneers and Influencers in Organometallic Chemistry: Dr. Alan H. Cowley and the Renaissance of Main-Group Organometallics. Organometallics, 2021, 40, 3855-3857.	2.3	1
3	Heavy Metals Make a Chain: A Catenated Bismuth Compound. Chemistry - A European Journal, 2020, 26, 7711-7719.	3.3	6
4	Hydrogenolysis of Dinuclear PCN R Ligated Pd II $\mu_4$ -Hydroxides and Their Mononuclear Pd II Hydroxide Analogues. Chemistry - A European Journal, 2019, 25, 9920-9929.	3.3	5
5	Computational Evaluation of Mg–Salen Compounds as Subsurface Fluid Tracers: Molecular Dynamics Simulations in Toluene–Water Mixtures and Clay Mineral Nanopores. Energy & Fuels, 2018, 32, 4969-4978.	5.1	4
6	Synthesis and characterization of thallium–salen derivatives for use as underground fluid flow tracers. Dalton Transactions, 2018, 47, 4162-4174.	3.3	9
7	Synthesis and Characterization of Structurally Diverse Alkaline-Earth Salen Compounds for Subterranean Fluid Flow Tracking. Inorganic Chemistry, 2018, 57, 2402-2415.	4.0	23
8	Crystallization of electrically conductive visibly transparent ITO thin films by wavelength-range-specific pulsed Xe arc lamp annealing. Journal of Materials Science, 2018, 53, 12949-12960.	3.7	9
9	The Effect of the cis-donor in pincer ligands on hydrogenolysis of Pd-OH: A DFT study. Journal of Organometallic Chemistry, 2017, 845, 165-170.	1.8	4
10	P- and N-Coordination of the Ambidentate Ligand HN[P( <i>i</i> -Pr) <sub>2</sub> ] <sub>2</sub> with Group 13 Trihalides. Inorganic Chemistry, 2017, 56, 7292-7300.	4.0	5
11	Synthesis and characterization of metal (M = Al or Ga) 2-phosphino(phenolate/benzenethiolate) complexes and their electrochemical behavior in the presence of CO <sub>2</sub> . Main Group Chemistry, 2017, 16, 307-319.	0.8	0
12	Crystal structure of catena-poly[diammonium [di- $\mu_4$ -oxalato-cuprate(II)]]. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1780-1782.	0.5	1
13	Nickel(II) and nickel(0) complexes of bis(diisopropylphosphino)amine: Synthesis, structure, and electrochemical activity. Inorganica Chimica Acta, 2016, 453, 42-50.	2.4	10
14	Facilitated carbon dioxide reduction using a Zn( <i>scpr</i> ) complex. Chemical Communications, 2016, 52, 1685-1688.	4.1	32
15	Structure and Lewis-base reactivity of bicyclic low-valent germanium and tin complexes bridged by bis(diisopropylphosphino)amine. Polyhedron, 2016, 114, 351-359.	2.2	9
16	Rapid, Reversible, Solid–Gas and Solution-Phase Insertion of CO <sub>2</sub> into In–P Bonds. Inorganic Chemistry, 2015, 54, 11121-11126.	4.0	16
17	Zwitterionic CS <sub>2</sub> Adducts of Bis(dialkylphosphino)amines: Syntheses, Spectroscopy, and Structures. Australian Journal of Chemistry, 2015, 68, 351.	0.9	3
18	Pyrazole-Based PCN Pincer Complexes of Palladium(II): Mono- and Dinuclear Hydroxide Complexes and Ligand Rollover C–H Activation. Organometallics, 2015, 34, 3998-4010.	2.3	42

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19	Unexpected formal insertion of CO <sub>2</sub> into the C–Si bonds of a zinc compound. <i>Chemical Communications</i> , 2015, 51, 15804-15807.	4.1	14
20	Structurally simple complexes of CO <sub>2</sub> . <i>Chemical Communications</i> , 2015, 51, 3942-3956.	4.1	120
21	Structures and CO <sub>2</sub> Reactivity of Zinc Complexes of Bis(diisopropyl-) and Bis(diphenylphosphino)amines. <i>Organometallics</i> , 2014, 33, 6511-6518.	2.3	14
22	Synthesis and Characterization of Anionic, Neutral, and Cationic PNP Pincer Pd <sup>II</sup> and Pt <sup>II</sup> Hydrides. <i>Organometallics</i> , 2014, 33, 2503-2509.	2.3	16
23	Activation of CO <sub>2</sub> and CS <sub>2</sub> by (Me <sub>3</sub> Si)(i-Pr <sub>2</sub> P)NH and its zinc complex. <i>Polyhedron</i> , 2013, 58, 92-98.	2.2	12
24	NH/PH Isomerization and a Lewis Pair for Carbon Dioxide Capture. <i>Inorganic Chemistry</i> , 2013, 52, 8312-8314.	4.0	21
25	Insertion of CO <sub>2</sub> into divalent group 2 and 12 bis(silylamides). <i>Main Group Chemistry</i> , 2012, 11, 13-29.	0.8	12
26	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
27	Formation of Phosphino-Substituted Isocyanate by Reaction of CO <sub>2</sub> with Group 2 Complexes Based on the (Me <sub>3</sub> Si)(i-Pr <sub>2</sub> P)NH Ligand. <i>Inorganic Chemistry</i> , 2012, 51, 1162-1169.	4.0	20
28	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
29	Reactions of CO <sub>2</sub> and related heteroallenes with CF <sub>3</sub> -substituted aromatic silylamines of tin. <i>Polyhedron</i> , 2012, 32, 14-23.	2.2	25
30	Formation of a Reversible, Intramolecular Main-Group Metal–CO <sub>2</sub> Adduct. <i>Inorganic Chemistry</i> , 2011, 50, 11288-11290.	4.0	44
31	Hydrogenolysis of Palladium(II) Hydroxide, Phenoxide, and Alkoxide Complexes. <i>Journal of the American Chemical Society</i> , 2011, 133, 17713-17726.	13.7	64
32	Syntheses and Characterization of Palladium Complexes with a Hemilabile PCO-Pincer Ligand. <i>Organometallics</i> , 2011, 30, 1627-1636.	2.3	46
33	Insertion reactions of CO <sub>2</sub> , OCS, and CS <sub>2</sub> into the Sn–N bonds of (Me <sub>2</sub> N) <sub>2</sub> Sn: NMR and X-ray structural characterization of the products. <i>Inorganica Chimica Acta</i> , 2011, 376, 73-79.	2.4	23
34	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
35	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
36	Synthesis, Characterization, and Reactivity of Nickel Hydride Complexes Containing 2,6-C <sub>6</sub> H <sub>3</sub> (CH <sub>2</sub> PR <sub>2</sub> ) <sub>2</sub> (R = <i>t</i> Bu, <i>c</i> Hex, and <i>i</i> Pr) Pincer Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 5081-5087.	4.0	86

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37	Hydrogenolysis of Palladium(II) Hydroxide and Methoxide Pincer Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 1346-1347.	13.7	64
38	Insertion of Carbon Dioxide into Main-Group Complexes: Formation of the $[N(CO)_2]_3$ Ligand. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9955-9957.	13.8	35
39	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
40	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
41	Mechanism of Direct Molecular Oxygen Insertion in a Palladium(II) Hydride Bond. <i>Inorganic Chemistry</i> , 2006, 45, 9631-9633.	4.0	81
42	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
43	Syntheses and X-ray crystal structures of monomeric zinc and mercury bis(silylamides). <i>Polyhedron</i> , 2005, 24, 1093-1100.	2.2	17
44	Synthesis and structural characterization of solvated calcium amides containing bulky silylamide ligands. <i>Inorganica Chimica Acta</i> , 2005, 358, 2014-2022.	2.4	33
45	Low-temperature preparation of crystalline barium sulfide. <i>Applied Organometallic Chemistry</i> , 2005, 19, 803-805.	3.5	1
46	Synthesis and Characterization of Divalent Main Group Diamides and Reactions with CO <sub>2</sub> . <i>ACS Symposium Series</i> , 2005, , 410-421.	0.5	12
47	Synthesis and Structural Characterization of Magnesium Amide Complexes Containing $N[(R)(SiMe_3)]$ Ligands. <i>Organometallics</i> , 2005, 24, 836-841.	2.3	26
48	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
49	Insertion of Carbon Dioxide into Mg-N Bonds. Structural Characterization of a Previously Unknown $\eta^2$ -Chelation Mode to Magnesium in Magnesium Carbamates. <i>Organometallics</i> , 2004, 23, 4788-4791.	2.3	46