Kristin Bowman-James

List of Publications by Year
in descending order

60 papers	4,721 citations	126907 33 h-index	123424 61 g-index
81 all docs	81 docs citations	81 times ranked	2996 citing authors

#	Article	IF	Citations
1	Alfred Werner Revisited:â€‰ The Coordination Chemistry of Anions. Accounts of Chemical Research, 2005, 38, 671-678.	15.6	670
2	Amide-Based Ligands for Anion Coordination. Angewandte Chemie - International Edition, 2006, 45, 7882-7894.	13.8	415
3	Ammonium based anion receptors. Coordination Chemistry Reviews, 2003, 240, 57-75.	18.8	347
4	Cryptand-like anion receptors. Chemical Society Reviews, 2010, 39, 3980.	38.1	283
5	New Polyamide Cryptand for Anion Binding. Journal of the American Chemical Society, 2003, 125, 10152-10153.	13.7	221
6	Multiple Hydrogen Bond Stabilization of a Sandwich Complex of Sulfate between Two Macrocyclic Tetraamides. Inorganic Chemistry, 2001, 40, 2936-2937.	4.0	202
7	Influence of dimensionality and charge on anion binding in amide-based macrocyclic receptors. Coordination Chemistry Reviews, 2006, 250, 3038-3052.	18.8	189
8	Unusual Encapsulation of Two Nitrates in a Single Bicyclic Cage. Journal of the American Chemical Society, 1998, 120, 8899-8900.	13.7	140
9	Trapped Bifluoride. Angewandte Chemie - International Edition, 2006, 45, 1921-1925.	13.8	138
10	A Case for Molecular Recognition in Nuclear Separations: Sulfate Separation from Nuclear Wastes. Inorganic Chemistry, 2013, 52, 3473-3490.	4.0	130
11	Anion Receptors:Â A New Class of Amide/Quaternized Amine Macrocycles and the Chelate Effect. Inorganic Chemistry, 2003, 42, 1397-1399.	4.0	118
12	Fluoride-Facilitated Deuterium Exchange from DMSO-d6to Polyamide-Based Cryptands. Journal of the American Chemical Society, 2004, 126, 12272-12273.	13.7	102
13	Parallels in Cation and Anion Coordination: A New Class of Cascade Complexes. Angewandte Chemie - International Edition, 2002, 41, 2335-2338.	13.8	98
14	Tritopic (Cascade) and Ditopic Complexes of Halides with an Azacryptand. Inorganic Chemistry, 2005, 44, 2143-2149.	4.0	94
15	Anion Binding with Two Polyammonium Macrocycles of Different Dimensionality. Inorganic Chemistry, 2001, 40, 4710-4720.	4.0	91
16	Snapshots of Fluoride Binding in an Aza Cryptand. Journal of the American Chemical Society, 2000, 122, 1814-1815.	13.7	88
17	Encapsulated sulfates: insight to binding propensities. Chemical Communications, 2005, , 328.	4.1	87
18	Supramolecular Encapsulation of Tetrahedrally Hydrated Guests in a Tetrahedron Host. Angewandte Chemie - International Edition, 2012, 51, 2119-2123.	13.8	84

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19	Anion Binding Motifs:Â Topicity and Charge in Amidocryptands. Journal of the American Chemical Society, 2005, 127, 13478-13479.	13.7	82
20	Thioamide Pincer Ligands with Charge Versatility. Inorganic Chemistry, 2006, 45, 964-966.	4.0	74
21	Ditopic Double Pincer Palladacycle Catalyst for Câ’C Coupling. Inorganic Chemistry, 2004, 43, 7275-7277.	4.0	68
22	Elite New Anion Ligands:â€‰ Polythioamide Macrocycles. Inorganic Chemistry, 2003, 42, 5043-5045.	4.0	62
23	Molecular Thioamide â†” Iminothiolate Switches for Sulfur Mustards. Inorganic Chemistry, 2012, 51, 760-762.	4.0	53
24	Chemistry and Structure of a Hostâ€“Guest Relationship: The Power of NMR and X-ray Diffraction in Tandem. Journal of the American Chemical Society, 2013, 135, 392-399.	13.7	52
25	Cyclophane Capsule Motifs with Side Pockets. Organic Letters, 2008, 10, 2677-2680.	4.6	49
26	Further insight to selectivity issues in halide binding in a tiny octaazacryptand. Chemical Communications, 2000, , 2269-2270.	4.1	47
27	Fluoride: Solution- and Solid-State Structural Binding Probe. Journal of Organic Chemistry, 2010, 75, 277-283.	3.2	45
28	Binding of Phosphate with a Simple Hexaaza Polyammonium Macrocycle. Inorganic Chemistry, 2000, 39, 1371-1375.	4.0	41
29	Chemical Mustard Containment Using Simple Palladium Pincer Complexes: The Influence of Molecular Walls. Journal of the American Chemical Society, 2013, 135, 17193-17199.	13.7	41
30	Fluoride Ion Receptors: A Comparison of a Polyammonium MonocycleVersusits Bicyclic Corollary. Supramolecular Chemistry, 2001, 13, 405-417.	1.2	40
31	Tricyclic Host for Linear Anions. Inorganic Chemistry, 2010, 49, 8629-8636.	4.0	38
32	Crystallized Water:â€‰ Internal and External Ice Fragments in Polycyclic Hosts. Crystal Growth and Design, 2007, 7, 606-608.	3.0	33
33	Novel structural determination of a bilayer network formed by a tripodal lipophilic amide in the presence of anions. Chemical Communications, 2000, , 973-974.	4.1	32
34	Versatile Host for Metallo Anions and Cations. Inorganic Chemistry, 2007, 46, 9519-9521.	4.0	31
35	Enhanced liquidâ€“liquid anion exchange using macrocyclic anion receptors: effect of receptor structure on sulphateâ€“nitrate exchange selectivity. Supramolecular Chemistry, 2010, 22, 653-671.	1.2	28
36	Tunable, shape-shifting capsule for dicarboxylates. Chemical Science, 2011, 2, 1735.	7.4	28

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37	Chelate effects in sulfate binding by amide/urea-based ligands. Organic and Biomolecular Chemistry, 2015, 13, 6953-6957.	2.8	26
38	A Ditopic Azacryptate Proton Cage. Inorganic Chemistry, 2003, 42, 8131-8133.	4.0	24
39	Structural and anion binding aspects of the tiny octaazacryptand. Journal of Supramolecular Chemistry, 2002, 2, 143-149.	0.4	21
40	Influence of Charge on Anion Receptivity in Amide-Based Macrocycles. Inorganic Chemistry, 2012, 51, 4833-4840.	4.0	19
41	Mâ‹¯Hâ€“C interaction â€“ Agostic or not: A comparison of phenyl- versus pyridyl-bridged transition metal dimers. Inorganica Chimica Acta, 2014, 417, 287-293.	2.4	17
42	MicroITIES Detection of Adenosine Phosphates. Electroanalysis, 2004, 16, 1343-1350.	2.9	16
43	Structural Impact of Chelation on Phytate, a Highly Phosphorylated Biomolecule. European Journal of Inorganic Chemistry, 2019, 2019, 1870-1874.	2.0	16
44	Hexagonal molecular â€œpalladawheelâ€• Chemical Communications, 2013, 49, 8042.	4.1	13
45	Supramolecular cages trap pesky anions. Science, 2019, 365, 124-125.	12.6	13
46	Supramolecular traps for highly phosphorylated inositol sources of phosphorus. Chemical Communications, 2020, 56, 3269-3272.	4.1	12
47	Pyridine-2,6-dicarboxamide pincer-based macrocycle: a versatile ligand for oxoanions, oxometallates, and transition metals. Supramolecular Chemistry, 2018, 30, 305-314.	1.2	11
48	Pyrazinetetracarboxamide: A Duplex Ligand for Palladium(II). Inorganic Chemistry, 2016, 55, 5098-5100.	4.0	10
49	Alfred Wernerâ€™s expanded legacy: Anion and metal ion coordination in an unsymmetrical, octaamido cryptand. Polyhedron, 2013, 52, 515-523.	2.2	8
50	Synthesis of polyaza macropolycyclic ligands. Supramolecular Chemistry, 1996, 6, 313-325.	1.2	7
51	Macrocyclic Influences in CO‹sub›2‹/sub› Uptake and Stabilization. Organic Letters, 2014, 16, 3982-3985.	4.6	7
52	Urea-Based Macrocycle Selective for Sulfate and Structurally Sensitive to Water. Crystal Growth and Design, 2020, 20, 4212-4216.	3.0	7
53	Pincers Based on Dicarboxamide and Dithiocarboxamide Functional Groups. , 2018, , 295-325.		4
54	Characterizing Hydrogen-Bond Interactions in Pyrazinetetracarboxamide Complexes: Insights from Experimental and Quantum Topological Analyses. Inorganic Chemistry, 2018, 57, 9775-9778.	4.0	3

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55	Hydrophilic and hydrophobic carboxamide pincers as anion hosts. Organic and Biomolecular Chemistry, 2021, 19, 8516-8520.	2.8	3
56	Snapshots of â€œcrystallineâ€•salt-water solutions of inositol hexaphosphate conformers. Dalton Transactions, 2021, 50, 480-484.	3.3	3
57	Synthesis of macrocyclic ligands incorporating sulfur and furan subunits. Supramolecular Chemistry, 1996, 6, 341-346.	1.2	1
58	Nucleotide hydrolysis in the presence of Î¼-hydroxo-bridged-cobalt(III) complexes. Supramolecular Chemistry, 1996, 6, 307-312.	1.2	0
59	Alfred Werner Revisited: The Coordination Chemistry of Anions. ChemInform, 2005, 36, no.	0.0	0
60	Structural Impact of Chelation on Phytate, a Highly Phosphorylated Biomolecule. European Journal of Inorganic Chemistry, 2019, 2019, 1860-1860.	2.0	0