

Kristin Bowman-James

List of Publications by Year in descending order

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Version: 2024-02-01

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	Hydrophilic and hydrophobic carboxamide pincers as anion hosts. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8516-8520.	2.8	3
2	Snapshots of "crystalline" salt-water solutions of inositol hexaphosphate conformers. <i>Dalton Transactions</i> , 2021, 50, 480-484.	3.3	3
3	Urea-Based Macrocyclic Selective for Sulfate and Structurally Sensitive to Water. <i>Crystal Growth and Design</i> , 2020, 20, 4212-4216.	3.0	7
4	Supramolecular traps for highly phosphorylated inositol sources of phosphorus. <i>Chemical Communications</i> , 2020, 56, 3269-3272.	4.1	12
5	Structural Impact of Chelation on Phytate, a Highly Phosphorylated Biomolecule. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1870-1874.	2.0	16
6	Structural Impact of Chelation on Phytate, a Highly Phosphorylated Biomolecule. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1860-1860.	2.0	0
7	Supramolecular cages trap pesky anions. <i>Science</i> , 2019, 365, 124-125.	12.6	13
8	Pyridine-2,6-dicarboxamide pincer-based macrocycle: a versatile ligand for oxoanions, oxometallates, and transition metals. <i>Supramolecular Chemistry</i> , 2018, 30, 305-314.	1.2	11
9	Pincers Based on Dicarboxamide and Dithiocarboxamide Functional Groups. , 2018, , 295-325.		4
10	Characterizing Hydrogen-Bond Interactions in Pyrazinetetracarboxamide Complexes: Insights from Experimental and Quantum Topological Analyses. <i>Inorganic Chemistry</i> , 2018, 57, 9775-9778.	4.0	3
11	Pyrazinetetracarboxamide: A Duplex Ligand for Palladium(II). <i>Inorganic Chemistry</i> , 2016, 55, 5098-5100.	4.0	10
12	Chelate effects in sulfate binding by amide/urea-based ligands. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6953-6957.	2.8	26
13	Macrocyclic Influences in CO ₂ Uptake and Stabilization. <i>Organic Letters</i> , 2014, 16, 3982-3985.	4.6	7
14	M ⁺ -H ⁻ C interaction " Agostic or not: A comparison of phenyl- versus pyridyl-bridged transition metal dimers. <i>Inorganica Chimica Acta</i> , 2014, 417, 287-293.	2.4	17
15	Hexagonal molecular "palladawheel", <i>Chemical Communications</i> , 2013, 49, 8042.	4.1	13
16	Chemical Mustard Containment Using Simple Palladium Pincer Complexes: The Influence of Molecular Walls. <i>Journal of the American Chemical Society</i> , 2013, 135, 17193-17199.	13.7	41
17	Chemistry and Structure of a Host-Guest Relationship: The Power of NMR and X-ray Diffraction in Tandem. <i>Journal of the American Chemical Society</i> , 2013, 135, 392-399.	13.7	52
18	Alfred Werner's expanded legacy: Anion and metal ion coordination in an unsymmetrical, octaamido cryptand. <i>Polyhedron</i> , 2013, 52, 515-523.	2.2	8

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19	A Case for Molecular Recognition in Nuclear Separations: Sulfate Separation from Nuclear Wastes. <i>Inorganic Chemistry</i> , 2013, 52, 3473-3490.	4.0	130
20	Influence of Charge on Anion Receptivity in Amide-Based Macrocycles. <i>Inorganic Chemistry</i> , 2012, 51, 4833-4840.	4.0	19
21	Molecular Thioamide $\hat{+}$ Iminothiolate Switches for Sulfur Mustards. <i>Inorganic Chemistry</i> , 2012, 51, 760-762.	4.0	53
22	Supramolecular Encapsulation of Tetrahedrally Hydrated Guests in a Tetrahedron Host. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2119-2123.	13.8	84
23	Tunable, shape-shifting capsule for dicarboxylates. <i>Chemical Science</i> , 2011, 2, 1735.	7.4	28
24	Enhanced liquid-liquid anion exchange using macrocyclic anion receptors: effect of receptor structure on sulphate-nitrate exchange selectivity. <i>Supramolecular Chemistry</i> , 2010, 22, 653-671.	1.2	28
25	Fluoride: Solution- and Solid-State Structural Binding Probe. <i>Journal of Organic Chemistry</i> , 2010, 75, 277-283.	3.2	45
26	Tricyclic Host for Linear Anions. <i>Inorganic Chemistry</i> , 2010, 49, 8629-8636.	4.0	38
27	Cryptand-like anion receptors. <i>Chemical Society Reviews</i> , 2010, 39, 3980.	38.1	283
28	Cyclophane Capsule Motifs with Side Pockets. <i>Organic Letters</i> , 2008, 10, 2677-2680.	4.6	49
29	Versatile Host for Metallo Anions and Cations. <i>Inorganic Chemistry</i> , 2007, 46, 9519-9521.	4.0	31
30	Crystallized Water: Internal and External Ice Fragments in Polycyclic Hosts. <i>Crystal Growth and Design</i> , 2007, 7, 606-608.	3.0	33
31	Thioamide Pincer Ligands with Charge Versatility. <i>Inorganic Chemistry</i> , 2006, 45, 964-966.	4.0	74
32	Influence of dimensionality and charge on anion binding in amide-based macrocyclic receptors. <i>Coordination Chemistry Reviews</i> , 2006, 250, 3038-3052.	18.8	189
33	Trapped Bifluoride. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1921-1925.	13.8	138
34	Amide-Based Ligands for Anion Coordination. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7882-7894.	13.8	415
35	Alfred Werner Revisited: The Coordination Chemistry of Anions. <i>ChemInform</i> , 2005, 36, no.	0.0	0
36	Encapsulated sulfates: insight to binding propensities. <i>Chemical Communications</i> , 2005, , 328.	4.1	87

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37	Anion Binding Motifs: A Topicity and Charge in Amidocryptands. <i>Journal of the American Chemical Society</i> , 2005, 127, 13478-13479.	13.7	82
38	Alfred Werner Revisited: The Coordination Chemistry of Anions. <i>Accounts of Chemical Research</i> , 2005, 38, 671-678.	15.6	670
39	Tritopic (Cascade) and Ditopic Complexes of Halides with an Azacryptand. <i>Inorganic Chemistry</i> , 2005, 44, 2143-2149.	4.0	94
40	MicroITIES Detection of Adenosine Phosphates. <i>Electroanalysis</i> , 2004, 16, 1343-1350.	2.9	16
41	Fluoride-Facilitated Deuterium Exchange from DMSO-d ₆ to Polyamide-Based Cryptands. <i>Journal of the American Chemical Society</i> , 2004, 126, 12272-12273.	13.7	102
42	Ditopic Double Pincer Palladacycle Catalyst for C-C Coupling. <i>Inorganic Chemistry</i> , 2004, 43, 7275-7277.	4.0	68
43	Ammonium based anion receptors. <i>Coordination Chemistry Reviews</i> , 2003, 240, 57-75.	18.8	347
44	New Polyamide Cryptand for Anion Binding. <i>Journal of the American Chemical Society</i> , 2003, 125, 10152-10153.	13.7	221
45	Anion Receptors: A New Class of Amide/Quaternized Amine Macrocycles and the Chelate Effect. <i>Inorganic Chemistry</i> , 2003, 42, 1397-1399.	4.0	118
46	A Ditopic Azacryptate Proton Cage. <i>Inorganic Chemistry</i> , 2003, 42, 8131-8133.	4.0	24
47	Elite New Anion Ligands: Polythioamide Macrocycles. <i>Inorganic Chemistry</i> , 2003, 42, 5043-5045.	4.0	62
48	Parallels in Cation and Anion Coordination: A New Class of Cascade Complexes. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2335-2338.	13.8	98
49	Structural and anion binding aspects of the tiny octaazacryptand. <i>Journal of Supramolecular Chemistry</i> , 2002, 2, 143-149.	0.4	21
50	Multiple Hydrogen Bond Stabilization of a Sandwich Complex of Sulfate between Two Macrocyclic Tetraamides. <i>Inorganic Chemistry</i> , 2001, 40, 2936-2937.	4.0	202
51	Anion Binding with Two Polyammonium Macrocycles of Different Dimensionality. <i>Inorganic Chemistry</i> , 2001, 40, 4710-4720.	4.0	91
52	Fluoride Ion Receptors: A Comparison of a Polyammonium Monocycle Versus its Bicyclic Corollary. <i>Supramolecular Chemistry</i> , 2001, 13, 405-417.	1.2	40
53	Further insight to selectivity issues in halide binding in a tiny octaazacryptand. <i>Chemical Communications</i> , 2000, , 2269-2270.	4.1	47
54	Novel structural determination of a bilayer network formed by a tripodal lipophilic amide in the presence of anions. <i>Chemical Communications</i> , 2000, , 973-974.	4.1	32

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55	Binding of Phosphate with a Simple Hexaaza Polyammonium Macrocycle. <i>Inorganic Chemistry</i> , 2000, 39, 1371-1375.	4.0	41
56	Snapshots of Fluoride Binding in an Aza Cryptand. <i>Journal of the American Chemical Society</i> , 2000, 122, 1814-1815.	13.7	88
57	Unusual Encapsulation of Two Nitrates in a Single Bicyclic Cage. <i>Journal of the American Chemical Society</i> , 1998, 120, 8899-8900.	13.7	140
58	Nucleotide hydrolysis in the presence of μ_4 -hydroxo-bridged-cobalt(III) complexes. <i>Supramolecular Chemistry</i> , 1996, 6, 307-312.	1.2	0
59	Synthesis of polyaza macropolycyclic ligands. <i>Supramolecular Chemistry</i> , 1996, 6, 313-325.	1.2	7
60	Synthesis of macrocyclic ligands incorporating sulfur and furan subunits. <i>Supramolecular Chemistry</i> , 1996, 6, 341-346.	1.2	1