

Orion B Berryman

List of Publications by Year in descending order

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35
papers

1,551
citations

430754

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395590

33
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38
all docs

38
docs citations

38
times ranked

1603
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Criteria for the Design of Anion Receptors: The Interaction of Halides with Electron-Deficient Arenes. <i>Journal of the American Chemical Society</i> , 2007, 129, 48-58.	6.6	301
2	Anion-π interaction augments halide binding in solution. <i>Chemical Communications</i> , 2006, , 506-508.	2.2	178
3	Solution Phase Measurement of Both Weak π and C-H···X Hydrogen Bonding Interactions in Synthetic Anion Receptors. <i>Journal of the American Chemical Society</i> , 2008, 130, 10895-10897.	6.6	168
4	Hydrogen Bond Enhanced Halogen Bonds: A Synergistic Interaction in Chemistry and Biochemistry. <i>Accounts of Chemical Research</i> , 2019, 52, 2870-2880.	7.6	111
5	Selective Recognition and Extraction of the Uranyl Ion. <i>Journal of the American Chemical Society</i> , 2010, 132, 13572-13574.	6.6	109
6	A Halogen-Bond-Induced Triple Helicate Encapsulates Iodide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12398-12402.	7.2	92
7	The intramolecular hydrogen bonded π-halogen bond: a new strategy for preorganization and enhanced binding. <i>Chemical Science</i> , 2018, 9, 5828-5836.	3.7	84
8	Helical Anion Foldamers in Solution. <i>Chemical Reviews</i> , 2020, 120, 2759-2782.	23.0	62
9	Solution and solid-phase halogen and C-H hydrogen bonding to perchlorate. <i>Chemical Communications</i> , 2015, 51, 1417-1420.	2.2	46
10	Water and Hydrogen Halides Serve the Same Structural Role in a Series of 2+2 Hydrogen-Bonded Dimers Based on 2,6-Bis(2-anilinoethynyl)pyridine Sulfonamide Receptors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 117-120.	7.2	43
11	Organic Selenocyanates as Halide Receptors: From Chelation to One-Dimensional Systems. <i>Crystal Growth and Design</i> , 2019, 19, 1418-1425.	1.4	34
12	Selective recognition and extraction of the uranyl ion from aqueous solutions with a recyclable chelating resin. <i>Chemical Science</i> , 2013, 4, 3601.	3.7	33
13	A Long-Lived Halogen-Bonding Anion Triple Helicate Accommodates Rapid Guest Exchange. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16109-16113.	7.2	32
14	Anion Binding Induces Helicity in a Hydrogen-Bonding Receptor: Crystal Structure of a 2,6-Bis(anilinoethynyl)pyridinium Chloride. <i>Crystal Growth and Design</i> , 2009, 9, 4247-4249.	1.4	29
15	A Halogen-Bond-Induced Triple Helicate Encapsulates Iodide. <i>Angewandte Chemie</i> , 2016, 128, 12586-12590.	1.6	27
16	Advantages of organic halogen bonding for halide recognition. <i>Supramolecular Chemistry</i> , 2016, 28, 665-672.	1.5	24
17	Theoretical, Solid-State, and Solution Quantification of the Hydrogen Bond-Enhanced Halogen Bond. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3685-3692.	7.2	24
18	Experimental investigation of halogen-bond hard-soft acid-base complementarity. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 203-209.	0.5	21

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19	Preparation of Photodegradable Oligomers Containing Metal–Metal Bonds Using ADMET. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2008, 18, 149-154.	1.9	19
20	Halogen bonding organocatalysis enhanced through intramolecular hydrogen bonds. <i>Chemical Communications</i> , 2022, 58, 1378-1381.	2.2	16
21	Solvatochromism and fluorescence response of a halogen bonding anion receptor. <i>New Journal of Chemistry</i> , 2018, 42, 10489-10492.	1.4	14
22	Co-crystals of an organic triselenocyanate with ditopic Lewis bases: recurrent chalcogen bond interactions motifs. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 34-38.	0.5	14
23	A Long-Lived Halogen-Bonding Anion Triple Helicate Accommodates Rapid Guest Exchange. <i>Angewandte Chemie</i> , 2018, 130, 16341-16345.	1.6	8
24	Theoretical, Solid-State, and Solution Quantification of the Hydrogen Bond-Enhanced Halogen Bond. <i>Angewandte Chemie</i> , 2021, 133, 3729-3736.	1.6	8
25	Structural and computational characterization of a bridging zwitterionic-amidoxime uranyl complex. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1038-1043.	2.3	7
26	Solid-State Examination of Conformationally Diverse Sulfonamide Receptors Based on Bis(2-anilinoethynyl)pyridine, -Bipyridine, and -Thiophene. <i>Crystal Growth and Design</i> , 2015, 15, 1502-1511.	1.4	6
27	Protonation and Alkylation Induced Multidentate H ⁺ -Anion Binding to Perrhenate. <i>Crystal Growth and Design</i> , 2016, 16, 974-980.	1.4	6
28	Modulating photoswitch performance with halogen, coordinative and hydrogen bonding: a comparison of relative bond strengths. <i>Chemical Communications</i> , 2021, 57, 6261-6263.	2.2	6
29	Anion Influence on the Packing of 1,3-Bis(4-Ethynyl-3-Iodopyridinium)-Benzene Halogen Bond Receptors. <i>Crystals</i> , 2019, 9, 522.	1.0	5
30	Halogen Bonds of Iodonium Ions: A World Dissimilar to Silver Coordination. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 191-196.	2.0	5
31	Steric effects of pH switchable, substituted (2-pyridinium)urea organocatalysts: a solution and solid phase study. <i>Supramolecular Chemistry</i> , 2018, 30, 1004-1010.	1.5	3
32	Anion-directed self-assembly of a 2,6-bis(2-anilinoethynyl)pyridine bis(amide) scaffold. <i>Supramolecular Chemistry</i> , 2016, 28, 37-44.	1.5	2
33	Titelbild: A Halogen-Bond-Induced Triple Helicate Encapsulates Iodide (<i>Angew. Chem.</i> 40/2016). <i>Angewandte Chemie</i> , 2016, 128, 12291-12291.	1.6	0
34	12. Simultaneous halogen and hydrogen bonding to carbonyl and thiocarbonyl functionality. , 2017, , 272-288.		0
35	Crystal structure of [1,1'-bis(3,3'-terphenyl)-2,2',3,3'-tricarboxylic acid. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o667-o668.	0.2	0