

Charles A Seipp

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

509
citations

840776

11
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

529
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct air capture of CO ₂ via aqueous-phase absorption and crystalline-phase release using concentrated solar power. <i>Nature Energy</i> , 2018, 3, 553-559.	39.5	140
2	CO ₂ Capture from Ambient Air by Crystallization with a Guanidine Sorbent. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1042-1045.	13.8	89
3	CO ₂ Capture via Crystalline Hydrogen-Bonded Bicarbonate Dimers. <i>CheM</i> , 2019, 5, 719-730.	11.7	64
4	Aqueous Sulfate Separation by Crystallization of Sulfate-Water Clusters. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10525-10529.	13.8	47
5	Aqueous Sulfate Separation by Sequestration of [(SO ₄) ₂ (H ₂ O) ₄] ⁴⁺ Clusters within Highly Insoluble Imine-Linked Bis-Guanidinium Crystals. <i>Chemistry - A European Journal</i> , 2016, 22, 1997-2003.	3.3	39
6	Surprisingly selective sulfate extraction by a simple monofunctional di(imino)guanidium micelle-forming anion receptor. <i>Chemical Communications</i> , 2018, 54, 10048-10051.	4.1	27
7	CO ₂ Capture from Ambient Air by Crystallization with a Guanidine Sorbent. <i>Angewandte Chemie</i> , 2017, 129, 1062-1065.	2.0	21
8	Concise Synthesis of the Hasubanan Alkaloid (±)-Cepharatine A Using a Suzuki Coupling Reaction To Effect <i>o,p</i> -Phenolic Coupling. <i>Organic Letters</i> , 2013, 15, 4870-4871.	4.6	20
9	Simple guanidinium motif for the selective binding and extraction of sulfate. <i>Separation Science and Technology</i> , 2018, 53, 1864-1873.	2.5	12
10	Direct air capture of CO ₂ - topological analysis of the experimental electron density (QTAIM) of the highly insoluble carbonate salt of a 2,6-pyridine-bis(iminoguanidine), (PyBIGH ₂)(CO ₃)(H ₂ O) ₄ . <i>IUCr</i> , 2019, 6, 56-65.	2.2	11
11	A conformationally persistent pseudo-bicyclic guanidinium for anion coordination as stabilized by dual intramolecular hydrogen bonds. <i>RSC Advances</i> , 2015, 5, 107266-107269.	3.6	9
12	Selective binding of (thio)sulfate and phosphate in water by quaternary ammonium functionalized oligo-ureas. <i>Chemical Communications</i> , 2019, 55, 1714-1717.	4.1	9
13	±,±,±,±-meso-tetrahexyltetramethyl-calix[4]pyrrole: an easy-to-prepare, isomerically pure anion extractant with enhanced solubility in organic solvents. <i>Supramolecular Chemistry</i> , 2016, 28, 176-187.	1.2	8
14	Berichtigung: Aqueous Sulfate Separation by Crystallization of Sulfate-Water Clusters. <i>Angewandte Chemie</i> , 2016, 128, 1985-1985.	2.0	0
15	Sulfate Separation by Selective Crystallization with a Bis-iminoguanidinium Ligand. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	0