

William M Cullen

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,125
citations

567281

15
h-index

888059

17
g-index

19
all docs

19
docs citations

19
times ranked

1304
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient catalysis of the Kemp elimination in the cavity of a cubic coordination cage. <i>Nature Chemistry</i> , 2016, 8, 231-236.	13.6	364
2	pH-dependent binding of guests in the cavity of a polyhedral coordination cage: reversible uptake and release of drug molecules. <i>Chemical Science</i> , 2015, 6, 625-631.	7.4	120
3	Catalysis in a Cationic Coordination Cage Using a Cavity-Bound Guest and Surface-Bound Anions: Inhibition, Activation, and Autocatalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 2821-2828.	13.7	103
4	Mapping the Internal Recognition Surface of an Octanuclear Coordination Cage Using Guest Libraries. <i>Journal of the American Chemical Society</i> , 2014, 136, 8475-8483.	13.7	101
5	Demethylenation of Cyclopropanes via Photoinduced Guest-to-Host Electron Transfer in an M_6L_4 Cage. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9171-9173.	13.8	84
6	An Interconverting Family of Coordination Cages and a <i>meso</i> -Helicate; Effects of Temperature, Concentration, and Solvent on the Product Distribution of a Self-Assembly Process. <i>Inorganic Chemistry</i> , 2015, 54, 2626-2637.	4.0	55
7	Virtual screening for high affinity guests for synthetic supramolecular receptors. <i>Chemical Science</i> , 2015, 6, 2790-2794.	7.4	46
8	Binding of Hydrophobic Guests in a Coordination Cage Cavity is Driven by Liberation of High-Energy Water. <i>Chemistry - A European Journal</i> , 2018, 24, 1554-1560.	3.3	42
9	Fac and mer isomers of Ru tris(pyrazolyl-pyridine) complexes as models for the vertices of coordination cages: structural characterisation and hydrogen-bonding characteristics. <i>Dalton Transactions</i> , 2014, 43, 71-84.	3.3	38
10	pH-Controlled selection between one of three guests from a mixture using a coordination cage host. <i>Chemical Science</i> , 2015, 6, 4025-4028.	7.4	30
11	From Intercalation to Groove Binding: Switching the DNA Binding Mode of Isostructural Transition-Metal Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 3089-3096.	3.3	27
12	A Quantitative Study of the Effects of Guest Flexibility on Binding Inside a Coordination Cage Host. <i>Chemistry - A European Journal</i> , 2017, 23, 206-213.	3.3	26
13	Demethylenation of Cyclopropanes via Photoinduced Guest-to-Host Electron Transfer in an M_6L_4 Cage. <i>Angewandte Chemie</i> , 2019, 131, 9269-9271.	2.0	26
14	Highly selective CO_2 vs. N_2 adsorption in the cavity of a molecular coordination cage. <i>Chemical Communications</i> , 2017, 53, 4398-4401.	4.1	25
15	Stepwise assembly of mixed-metal coordination cages containing both kinetically inert and kinetically labile metal ions: introduction of metal-centred redox and photophysical activity at specific sites. <i>Dalton Transactions</i> , 2015, 44, 17939-17949.	3.3	24
16	Insight into the Mechanism of Action and Peptide-Membrane Interactions of Aib-Rich Peptides: Multitechnique Experimental and Theoretical Analysis. <i>ChemBioChem</i> , 2021, 22, 1656-1667.	2.6	11
17	\pm -Amino-iso-Butyric Acid Foldamers Terminated with Rhodium(I) N-Heterocyclic Carbene Catalysts. <i>Chemistry - A European Journal</i> , 2021, , .	3.3	3
18	Binding of Hydrophobic Guests in a Coordination Cage Cavity is Driven by Liberation of High-Energy Water. <i>Chemistry - A European Journal</i> , 2018, 24, 1463-1463.	3.3	0