James E M Lewis

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2799077/publications.pdf

Version: 2024-02-01

41 papers	2,464 citations	201674 27 h-index	254184 43 g-index
46 all docs	46 docs citations	46 times ranked	2097 citing authors

#	Article	IF	Citations
1	Stimuli-responsive Pd₂L₄metallosupramolecular cages: towards targeted cisplatin drug delivery. Chemical Science, 2012, 3, 778-784.	7.4	392
2	Metal ions in the synthesis of interlocked molecules and materials. Chemical Society Reviews, 2017, 46, 2577-2591.	38.1	182
3	Properties and emerging applications of mechanically interlocked ligands. Chemical Communications, 2017, 53, 298-312.	4.1	155
4	A Stimuliâ€Responsive Rotaxaneâ€“Gold Catalyst: Regulation of Activity and Diastereoselectivity. Angewandte Chemie - International Edition, 2015, 54, 13545-13549.	13.8	140
5	Multicavity [Pd_nL₄]²ⁿ⁺ Cages with Controlled Segregated Binding of Different Guests. Journal of the American Chemical Society, 2017, 139, 2379-2386.	13.7	126
6	â€˜Clickâ€™ to functionalise: synthesis, characterisation and enhancement of the physical properties of a series of exo- and endo-functionalised Pd₂L₄nanocages. Chemical Science, 2014, 5, 1833-1843.	7.4	117
7	Iterative Synthesis of Oligo[n]rotaxanes in Excellent Yield. Journal of the American Chemical Society, 2016, 138, 16329-16336.	13.7	92
8	Conformational control of Pd₂L₄ assemblies with unsymmetrical ligands. Chemical Science, 2020, 11, 677-683.	7.4	87
9	Metalloâ€Supramolecular Selfâ€Assembly with Reducedâ€Symmetry Ligands. ChemPlusChem, 2020, 85, 815-827.	2.8	84
10	Biologically active [Pd₂L₄]⁴⁺ quadruply-stranded helicates: stability and cytotoxicity. Dalton Transactions, 2015, 44, 11129-11136.	3.3	81
11	High yielding synthesis of 2,2â€²-bipyridine macrocycles, versatile intermediates in the synthesis of rotaxanes. Chemical Science, 2016, 7, 3154-3161.	7.4	74
12	A facile â€œclickâ€•approach to functionalised metallosupramolecular architectures. Chemical Communications, 2013, 49, 3398.	4.1	73
13	An Auxiliary Approach for the Stereoselective Synthesis of Topologically Chiral Catenanes. CheM, 2019, 5, 1512-1520.	11.7	57
14	[Fe2L3]4+ Cylinders Derived from Bis(bidentate) 2-Pyridyl-1,2,3-triazole â€œClickâ€•Ligands: Synthesis, Structures and Exploration of Biological Activity. Molecules, 2013, 18, 6383-6407.	3.8	56
15	Rotaxane-Based Transition Metal Complexes: Effect of the Mechanical Bond on Structure and Electronic Properties. Journal of the American Chemical Society, 2019, 141, 879-889.	13.7	56
16	Enhanced kinetic stability of [Pd₂L₄]⁴⁺ cages through ligand substitution. Dalton Transactions, 2016, 45, 8050-8060.	3.3	55
17	Exo- andendo-hedral interactions of counteranions with tetracationic Pd₂L₄metallosupramolecular architectures. Supramolecular Chemistry, 2014, 26, 173-181.	1.2	54
18	Solidâ€State Gas Adsorption Studies with Discrete Palladium(II) [Pd₂(L)₄]⁴⁺ Cages. Chemistry - A European Journal, 2017, 23, 10559-10567.	3.3	53

#	Article	IF	Citations
19	Luminescent Cages: Pendant Emissive Units on [Pd₂L₄]⁴⁺ â€œClickâ€• Cages. Inorganic Chemistry, 2016, 55, 3440-3447.	4.0	52
20	Efficient Multicomponent Active Template Synthesis of Catenanes. Journal of the American Chemical Society, 2018, 140, 4787-4791.	13.7	52
21	fac-Re(CO)3 complexes of 2,6-bis(4-substituted-1,2,3-triazol-1-ylmethyl)pyridine â€œclickâ€•ligands: synthesis, characterisation and photophysical properties. Dalton Transactions, 2012, 41, 14625.	3.3	43
22	Rotaxanes as Cages to Control DNA Binding, Cytotoxicity, and Cellular Uptake of a Small Molecule**. Angewandte Chemie - International Edition, 2021, 60, 10928-10934.	13.8	36
23	Synthetic strategies towards mechanically interlocked oligomers and polymers. Organic and Biomolecular Chemistry, 2020, 18, 6757-6780.	2.8	34
24	Structural Flexibility in Metal-Organic Cages. Frontiers in Chemistry, 2021, 9, 706462.	3.6	32
25	Highâ€Throughput Computational Evaluation of Low Symmetry Pd₂L₄Cages to Aid in System Design**. Angewandte Chemie - International Edition, 2021, 60, 20879-20887.	13.8	32
26	Multiâ€functional, Low Symmetry Pd₂L₄ Nanocage Libraries**. Chemistry - A European Journal, 2021, 27, 4454-4460.	3.3	31
27	Porphyrinoid rotaxanes: building a mechanical picket fence. Chemical Science, 2017, 8, 6679-6685.	7.4	26
28	[Re(CO)₃]⁺ Complexes of exo-Functionalized Tridentate â€œClickâ€• Macrocycles: Synthesis, Stability, Photophysical Properties, Bioconjugation, and Antibacterial Activity. Organometallics, 2014, 33, 7031-7043.	2.3	23
29	Rotaxane Co^{II} Complexes as Fieldâ€Induced Singleâ€Ion Magnets. Angewandte Chemie - International Edition, 2021, 60, 16051-16058.	13.8	19
30	A multi-component CuAAC â€˜clickâ€™ approach to an exo functionalised pyridyl-1,2,3-triazole macrocycle: synthesis, characterisation, Cu(I) and Ag(I) complexes. Supramolecular Chemistry, 2012, 24, 492-498.	1.2	14
31	Self-templated synthesis of amide catenanes and formation of a catenane coordination polymer. Organic and Biomolecular Chemistry, 2019, 17, 2442-2447.	2.8	14
32	Stepwise, Protecting Group Free Synthesis of [4]Rotaxanes. Molecules, 2017, 22, 89.	3.8	13
33	Self-assembly of a porous metallo-[5]rotaxane. Chemical Communications, 2020, 56, 10453-10456.	4.1	9
34	Copper(II) Complexes of a Tripyridyl Ligand: Anion-Dependent Metallosupramolecular Structures. Australian Journal of Chemistry, 2013, 66, 1447.	0.9	8
35	Acidâ€“Base Driven Ligand Exchange with Palladium(II) â€œClickâ€•Complexes. Asian Journal of Organic Chemistry, 2015, 4, 208-211.	2.7	8
36	Highâ€Throughput Computational Evaluation of Low Symmetry Pd₂L₄Cages to Aid in System Design**. Angewandte Chemie, 2021, 133, 21047-21055.	2.0	7

#	Article	IF	Citations
37	Rotaxanes as Cages to Control DNA Binding, Cytotoxicity, and Cellular Uptake of a Small Molecule**. Angewandte Chemie, 2021, 133, 11023-11029.	2.0	5
38	Knotting to See Here. CheM, 2020, 6, 14-15.	11.7	4
39	Damming an electronic energy reservoir: ion-regulated electronic energy shuttling in a [2]rotaxane. Chemical Science, 2021, 12, 9196-9200.	7.4	3
40	Rotaxane Co II Complexes as Fieldâ€Induced Singleâ€Ion Magnets. Angewandte Chemie, 2021, 133, 16187-16194	2.0	2
41	Rotaxanation as a sequestering template to preclude incidental metal insertion in complex oligochromophores. Chemical Communications, 2020, 56, 7447-7450.	4.1	1