

Roy Lavendomme

List of Publications by Year in descending order

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papers

614
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687363

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all docs

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docs citations

25
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
1	An antiaromatic-walled nanospace. <i>Nature</i> , 2019, 574, 511-515.	27.8	122
2	Selective Separation of Polyaromatic Hydrocarbons by Phase Transfer of Coordination Cages. <i>Journal of the American Chemical Society</i> , 2019, 141, 18949-18953.	13.7	70
3	Metal and Organic Templates Together Control the Size of Covalent Macrocycles and Cages. <i>Journal of the American Chemical Society</i> , 2019, 141, 12147-12158.	13.7	54
4	Controlling the shape and chirality of an eight-crossing molecular knot. <i>CheM</i> , 2021, 7, 1534-1543.	11.7	49
5	A Zn ₄ L ₆ Capsule with Enhanced Catalytic C-C Bond Formation Activity upon C ₆₀ Binding. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9073-9077.	13.8	44
6	Ion-Mobility Mass Spectrometry for the Rapid Determination of the Topology of Interlocked and Knotted Molecules. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11324-11328.	13.8	43
7	<i>MoloVol</i> : an easy-to-use program for analyzing cavities, volumes and surface areas of chemical structures. <i>Journal of Applied Crystallography</i> , 2022, 55, 1033-1044.	4.5	41
8	Rational Strategies for the Selective Functionalization of Calixarenes. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 710-722.	2.7	35
9	Self-Assembly of an Amino Acid Derivative into an Antimicrobial Hydrogel Biomaterial. <i>Chemistry - A European Journal</i> , 2020, 26, 1880-1886.	3.3	31
10	Templation and Concentration Drive Conversion Between a Fe ^{II} ₁₂ L ₁₂ Pseudoicosahedron, a Fe ^{II} ₄ L ₄ Tetrahedron, and a Fe ^{II} ₂ L ₃ Helicate. <i>Journal of the American Chemical Society</i> , 2022, 144, 1106-1112.	13.7	21
11	Tailored Functionalization of Polyphenol-Based Molecular Platforms. <i>Journal of Organic Chemistry</i> , 2014, 79, 6563-6570.	3.2	20
12	Ion-Mobility Mass Spectrometry for the Rapid Determination of the Topology of Interlocked and Knotted Molecules. <i>Angewandte Chemie</i> , 2019, 131, 11446-11450.	2.0	20
13	A Zn ₄ L ₆ Capsule with Enhanced Catalytic C-C Bond Formation Activity upon C ₆₀ Binding. <i>Angewandte Chemie</i> , 2019, 131, 9171-9175.	2.0	15
14	Calixarene-based Stationary Phases for Chromatography. <i>Current Organic Chemistry</i> , 2015, 19, 2237-2249.	1.6	13
15	Synthesis of (Homooxa)calixarene-Monoquinones through the "All-but-One" Methodology. <i>Organic Letters</i> , 2015, 17, 5690-5693.	4.6	9
16	One Step Synthesis of Calix[<i>n</i>]quinones through the HClO ₄ /PbO ₂ -Mediated Oxidation of Calix[<i>n</i>]arenes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1665-1668.	2.4	6
17	Encapsulation and solid state sequestration of gases by calix[6]arene-based molecular containers. <i>Chemical Communications</i> , 2017, 53, 6468-6471.	4.1	6
18	Calix[6]azacryptand-Based Receptors. , 2016, , 113-140.		5

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19	Triflate-functionalized calix[6]arenes as versatile building-blocks: application to the synthesis of an inherently chiral Zn(scp) complex. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1950-1957.	2.8	4
20	One-Step Synthesis of a Unique Molecular Platform for the Selective Functionalization of Calix[6]arenes. <i>Synthesis</i> , 2017, 49, 1009-1023.	2.3	2
21	A nano-sized container for specific encapsulation of isolated water molecules. <i>Chemical Communications</i> , 2016, 52, 14109-14112.	4.1	1
22	Selective recognition of small hydrogen bond acceptors by a calix[6]arene-based molecular container. <i>Supramolecular Chemistry</i> , 2020, 32, 23-29.	1.2	1