

# Benoit Colasson

## List of Publications by Year in descending order

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31  
papers

868  
citations

516710

16  
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477307

29  
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31  
docs citations

31  
times ranked

1203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetic cavity-based metal complexes. <i>Chemical Society Reviews</i> , 2015, 44, 467-489.	38.1	156
2	A Ditopic Calix[6]arene Ligand with <i>N</i> -Methylimidazole and 1,2,3-Triazole Substituents: Synthesis and Coordination with Zn(II) Cations. <i>Organic Letters</i> , 2007, 9, 4987-4990.	4.6	100
3	Electrochemically Triggered Double Translocation of Two Different Metal Ions with a Ditopic Calix[6]arene Ligand. <i>Journal of the American Chemical Society</i> , 2010, 132, 4393-4398.	13.7	55
4	Selective recognition of fluoride anion in water by a copper center embedded in a hydrophobic cavity. <i>Chemical Science</i> , 2014, 5, 3897-3904.	7.4	41
5	Solid-State Chemistry at an Isolated Copper(I) Center with O <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7383-7386.	13.8	39
6	Spontaneous formation of vesicles in a cationic association involving a head and tail functionalized amino-calix[6]arene. <i>Chemical Communications</i> , 2010, 46, 586-588.	4.1	39
7	Recognition of primary amines in water by a zinc funnel complex based on calix[6]arene. <i>Chemical Science</i> , 2012, 3, 811-818.	7.4	39
8	Electrochemically and Chemically Induced Redox Processes in Molecular Machines. <i>ChemElectroChem</i> , 2015, 2, 475-496.	3.4	39
9	Selective Hetero-Trisfunctionalization of the Large Rim of a Biomimetic Calix[6]arene Using Host-Guest Chemistry as a Synthetic Tool. <i>Journal of the American Chemical Society</i> , 2008, 130, 15226-15227.	13.7	35
10	An Artificial Molecular Transporter. <i>ChemistryOpen</i> , 2016, 5, 120-124.	1.9	32
11	Remote electrochemical modulation of pK <sub>a</sub> in a rotaxane by co-conformational allostery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9385-9390.	7.1	32
12	Thermodynamic Insights on a Bistable Acid-Base Switchable Molecular Shuttle with Strongly Shifted Co-conformational Equilibria. <i>Chemistry - A European Journal</i> , 2017, 23, 2149-2156.	3.3	30
13	Supramolecular Assistance for the Selective Demethylation of Calixarene-Based Receptors. <i>Journal of Organic Chemistry</i> , 2015, 80, 5084-5091.	3.2	28
14	Tris(triazolyl) Calix[6]arene-Based Zinc and Copper Funnel Complexes: Imidazole-like or Pyridine-like? A Comparative Study. <i>Inorganic Chemistry</i> , 2011, 50, 10985-10993.	4.0	23
15	Redox-Driven Intramolecular Anion Translocation between a Metal Centre and a Hydrogen-Bond-Donating Compartment. <i>Chemistry - A European Journal</i> , 2007, 13, 4988-4997.	3.3	20
16	Calorimetric Study on Coordination of Tridentate Imidazolyl Calix[6]arene Ligands to Zinc Ion in Organic Solvents. <i>Inorganic Chemistry</i> , 2011, 50, 6353-6360.	4.0	17
17	Supramolecular Assistance for the Selective Monofunctionalization of a Calix[6]arene Tris-carboxylic Acid-Based Receptor. <i>Journal of Organic Chemistry</i> , 2014, 79, 1913-1919.	3.2	14
18	Selective EPR Detection of Primary Amines in Water with a Calix[6]azacryptand-Based Copper(II) Funnel Complex. <i>Inorganic Chemistry</i> , 2018, 57, 3646-3655.	4.0	14

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19	<i>ipso</i> -Nitration of Calix[6]azacryptands: Intriguing Effect of the Small Rim Capping Pattern on the Large Rim Substitution Selectivity. <i>Journal of Organic Chemistry</i> , 2012, 77, 3838-3845.	3.2	13
20	Synthesis and Studies of a Water-Soluble and Air-Stable Cu <sup>I</sup> /Cu <sup>II</sup> Open-Shell <i>Funnel</i> Complex. <i>Organic Letters</i> , 2012, 14, 2500-2503.	4.6	13
21	Guest Covalent Capture by a Host: A Biomimetic Strategy for the Selective Functionalization of a Cavity. <i>Chemistry - A European Journal</i> , 2013, 19, 642-653.	3.3	12
22	A Promising Approach for Controlling the Second Coordination Sphere of Biomimetic Metal Complexes: Encapsulation in a Dynamic Hydrogen-Bonded Capsule. <i>Chemistry - A European Journal</i> , 2021, 27, 434-443.	3.3	11
23	Electrochemically Driven Cup-and-Ball Cu <sup>I</sup> and Cu <sup>II</sup> Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 10611-10618.	3.3	10
24	Guest-Triggered ZnII Translocation and Supramolecular Nuclearity Control in Calix[6]arene-Based Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 4683-4691.	4.0	10
25	Photoinduced Electron Transfer Involving a Naphthalimide Chromophore in Switchable and Flexible [2]Rotaxanes. <i>Chemistry - A European Journal</i> , 2020, 26, 534-542.	3.3	10
26	Gating the electron transfer at a monocopper centre through the supramolecular coordination of water molecules within a protein chamber mimic. <i>Chemical Science</i> , 2018, 9, 8282-8290.	7.4	8
27	Kinetic and Thermodynamic Stabilization of Metal Complexes by Introverted Coordination in a Calix[6]azacryptand. <i>Chemistry - A European Journal</i> , 2016, 22, 4855-4862.	3.3	7
28	Dual Electroactivity in a Covalent Organic Network with Mechanically Interlocked Pillar[5]arenes. <i>Chemistry - A European Journal</i> , 2021, 27, 9589-9596.	3.3	7
29	Impact of positive charge and ring-size on the interactions of calixarenes with DNA, RNA and nucleotides. <i>New Journal of Chemistry</i> , 2022, 46, 6860-6869.	2.8	6
30	A versatile strategy for appending a single functional group to a multifunctional host through host-guest covalent-capture. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7780-7785.	2.8	5
31	Proton-induced motion in a molecular cup-and-ball zinc funnel complex. <i>Tetrahedron Letters</i> , 2013, 54, 3398-3401.	1.4	3