

Alessandro Casnati

List of Publications by Year in descending order

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20817

60
h-index

36028

97
g-index

224
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224
docs citations

224
times ranked

6599
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Complexation, and Membrane Transport Studies of 1,3-Alternate Calix[4]arene-crown-6 Conformers: A New Class of Cesium Selective Ionophores. <i>Journal of the American Chemical Society</i> , 1995, 117, 2767-2777.	13.7	606
2	Multivalent glycoconjugates as anti-pathogenic agents. <i>Chemical Society Reviews</i> , 2013, 42, 4709-4727.	38.1	464
3	Calixarene-based multivalent ligands. <i>Chemical Society Reviews</i> , 2007, 36, 254-266.	38.1	383
4	1,3-Dialkoxycalix[4]arene crowns-6 in 1,3-Alternate Conformation: Cesium-Selective Ligands that Exploit Cation-Arene Interactions. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1506-1509.	4.4	335
5	Peptido- and Glycocalixarenes: Playing with Hydrogen Bonds around Hydrophobic Cavities. <i>Accounts of Chemical Research</i> , 2003, 36, 246-254.	15.6	259
6	DNA Condensation and Cell Transfection Properties of Guanidinium Calixarenes: Dependence on Macrocyclic Lipophilicity, Size, and Conformation. <i>Journal of the American Chemical Society</i> , 2006, 128, 14528-14536.	13.7	199
7	1,3-Alternate Calix[4]arene crown-6 Conformers: New Synthetic Ionophores with Better K ⁺ /Na ⁺ Selectivity than Valinomycin. <i>Chemistry - A European Journal</i> , 1996, 2, 436-445.	3.3	185
8	Complexation of Halide Anions and Tricarboxylate Anions by Neutral Urea-Derivatized p-tert-Butylcalix[6]arenes. <i>Journal of Organic Chemistry</i> , 1995, 60, 6448-6454.	3.2	179
9	The 1,2-alternate conformation of calix[4]arenes: a rare conformation? Dynamic ¹ H NMR studies of flexible tetraalkylated calix[4]arenes. <i>Journal of the American Chemical Society</i> , 1991, 113, 2385-2392.	13.7	178
10	Writing Patterns of Molecules on Molecular Printboards. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 369-373.	13.8	162
11	Chloromethylation of calixarenes and synthesis of new water soluble macrocyclic hosts. <i>Tetrahedron</i> , 1989, 45, 2177-2182.	1.9	154
12	Water-Soluble Calixarene Hosts that Specifically Recognize the Trimethylammonium Group or the Benzene Ring of Aromatic Ammonium Cations: A Combined ¹ H NMR, Calorimetric, and Molecular Mechanics Investigation. <i>Chemistry - A European Journal</i> , 1999, 5, 738-744.	3.3	150
13	Calixarenes: from biomimetic receptors to multivalent ligands for biomolecular recognition. <i>New Journal of Chemistry</i> , 2010, 34, 2715.	2.8	149
14	Synthesis and Properties of Glycosyl Calix[4]Arenes (Calixsugars). <i>Chemistry - A European Journal</i> , 1997, 3, 1774-1782.	3.3	146
15	Multivalent glycocalixarenes for recognition of biological macromolecules: glycocalyx mimics capable of multitasking. <i>Chemical Society Reviews</i> , 2013, 42, 4623.	38.1	138
16	Calixarene-Based Glycoclusters: Bioactivity of Thiourea-Linked Galactose/Lactose Moieties as Inhibitors of Binding of Medically Relevant Lectins to a Glycoprotein and Cell Surface Glycoconjugates and Selectivity among Human Adhesion/Growth Regulatory Galectins. <i>ChemBioChem</i> , 2008, 9, 1649-1661.	2.6	134
17	Divalent Binding of a Bis(adamantyl)-Functionalized Calix[4]arene to β -cyclodextrin-based Hosts: An Experimental and Theoretical Study on Multivalent Binding in Solution and at Self-Assembled Monolayers. <i>Journal of the American Chemical Society</i> , 2004, 126, 6627-6636.	13.7	133
18	Arginine clustering on calix[4]arene macrocycles for improved cell penetration and DNA delivery. <i>Nature Communications</i> , 2013, 4, 1721.	12.8	133

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19	Facilitated Transport of Hydrophilic Salts by Mixtures of Anion and Cation Carriers and by Ditopic Carriers. <i>Journal of the American Chemical Society</i> , 1999, 121, 10142-10151.	13.7	132
20	Moulding calixarenes for biomacromolecule targeting. <i>Chemical Communications</i> , 2015, 51, 14140-14159.	4.1	130
21	Hydrophilic Clicked 2,6-Bis-triazolyl-pyridines Endowed with High Actinide Selectivity and Radiochemical Stability: Toward a Closed Nuclear Fuel Cycle. <i>Journal of the American Chemical Society</i> , 2016, 138, 7232-7235.	13.7	124
22	Synthesis, antimicrobial activity and binding properties of calix[4]arene based vancomycin mimics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1996, 6, 2699-2704.	2.2	120
23	Lanthanide complexes of encapsulating ligands: Luminescent devices at the molecular level. <i>Pure and Applied Chemistry</i> , 1995, 67, 135-140.	1.9	118
24	A new chiral rigid cone water soluble peptidocalix[4]arene and its inclusion complexes with α -amino acids and aromatic ammonium cations. <i>Tetrahedron Letters</i> , 1999, 40, 4741-4744.	1.4	118
25	Control of Calix[6]arene Conformations by Self-Inclusion of 1,3,5-Tri-O-alkyl Substituents: Synthesis and NMR Studies. <i>Journal of the American Chemical Society</i> , 1994, 116, 5814-5822.	13.7	110
26	syn-1,2-dialkylated calix[4]arenes : general intermediates in the NaH/DMF tetraalkylation of calix[4]arenes. <i>Tetrahedron Letters</i> , 1991, 32, 2675-2678.	1.4	109
27	Molecular Acrobatics: Self-Assembly of Calixarene-Porphyrin Cages. <i>Journal of the American Chemical Society</i> , 2003, 125, 14181-14189.	13.7	109
28	Encapsulation of lanthanide ions in calixarene receptors. A strongly luminescent terbium(3+) complex. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 878.	2.0	106
29	Bridged calix[6]arenes in the cone conformation: New receptors for quaternary ammonium cations. <i>Tetrahedron</i> , 1995, 51, 591-598.	1.9	105
30	Synthesis and Structure of Chiral Cone Calix[4]arenes Functionalized at the Upper Rim with L-Alanine Units. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 897-905.	2.4	102
31	Thiourea-linked upper rim calix[4]arene neoglycoconjugates: synthesis, conformations and binding properties. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1802-1809.	2.8	101
32	Synthesis of monoalkylated calix[4]arenes via direct alkylation. <i>Tetrahedron</i> , 1991, 47, 8379-8384.	1.9	100
33	New Efficient Calixarene Amide Ionophores for the Selective Removal of Strontium Ion from Nuclear Waste: Synthesis, Complexation, and Extraction Properties. <i>Journal of the American Chemical Society</i> , 2001, 123, 12182-12190.	13.7	94
34	Macrocyclic Nonviral Vectors: High Cell Transfection Efficiency and Low Toxicity in a Lower Rim Guanidinium Calix[4]arene. <i>Organic Letters</i> , 2008, 10, 3953-3956.	4.6	94
35	Molecular and Supramolecular Homochirality: Enantiopure Perfluorocarbon Rotamers and Halogen-Bonded Fluorous Double Helices. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1915-1918.	13.8	93
36	A general synthesis of water soluble upper rim calix[n]arene guanidinium derivatives which bind to plasmid DNA. <i>Tetrahedron</i> , 2004, 60, 11613-11618.	1.9	92

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37	Water soluble calix[4]arenes. A thermodynamic investigation of proton complex formation. <i>Supramolecular Chemistry</i> , 1992, 1, 19-24.	1.2	91
38	Nuclear waste treatment by means of supported liquid membranes containing calixcrown compounds. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1994, 19, 399-408.	1.6	88
39	Biomimetic macrocyclic receptors for carboxylate anion recognition based on C-linked peptidocalix[4]arenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4842-4847.	7.1	88
40	Catalysis of Diribonucleoside Monophosphate Cleavage by Water Soluble Copper(II) Complexes of Calix[4]arene Based Nitrogen Ligands. <i>Journal of the American Chemical Society</i> , 2006, 128, 12322-12330.	13.7	87
41	Sugar Calixarenes: Preparation of Calix[4]arenes Substituted at the Lower and Upper Rims with O-Glycosyl Groups. <i>Angewandte Chemie International Edition in English</i> , 1995, 33, 2479-2481.	4.4	85
42	Inclusion of naturally occurring amino acids in water soluble calix[4]arenes: a microcalorimetric and ¹ H NMR investigation supported by molecular modeling. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 243-249.	2.8	85
43	Synthesis and properties of new calixarene-based ditopic receptors for the simultaneous complexation of cations and carboxylate anions. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 1307-1312.	0.9	82
44	A general synthesis of calix[4]arene monoalkyl ethers. <i>Tetrahedron</i> , 1991, 47, 2221-2228.	1.9	81
45	Complexation of a Peptidocalix[4]arene, a Vancomycin Mimic, with Alanine-Containing Guests by NMR Diffusion Measurements. <i>Journal of Organic Chemistry</i> , 2000, 65, 5026-5030.	3.2	80
46	Procedures for the Selective Alkylation of Calix[6]arenes at the Lower Rim. <i>Synthesis</i> , 1993, 1993, 380-386.	2.3	79
47	A Synthetic Divalent Cholera Toxin Glycocalix[4]arene Ligand Having Higher Affinity than Natural GM1 Oligosaccharide. <i>Journal of the American Chemical Society</i> , 2005, 127, 3660-3661.	13.7	79
48	Efficient and Selective Cleavage of RNA Oligonucleotides by Calix[4]arene-Based Synthetic Metallonucleases. <i>Journal of the American Chemical Society</i> , 2007, 129, 12512-12520.	13.7	79
49	N-Linked Peptidocalix[4]arene Bisureas as Enantioselective Receptors for Amino Acid Derivatives. <i>Journal of Organic Chemistry</i> , 2007, 72, 3223-3231.	3.2	77
50	Conformational freezing of p-tert-butylcalix[6]arene in the cone structure by selective functionalization at the lower rim: synthesis of new preorganized ligands. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1413.	2.0	76
51	Entropic origin of the sulfonate groups' electrostatic assistance in the complexation of quaternary ammonium cations by water soluble calix[4]arenes. <i>Perkin Transactions II RSC</i> , 2000, , 419-423.	1.1	72
52	Assembly of a Supramolecular Capsule on a Molecular Printboard. <i>Journal of the American Chemical Society</i> , 2004, 126, 17050-17058.	13.7	71
53	Chiral Dimeric Capsules from N,C-Linked Peptidocalix[4]arenes Self-Assembled through an Antiparallel β -Sheetlike Motif. <i>Journal of the American Chemical Society</i> , 2004, 126, 6204-6205.	13.7	70
54	Selective 1,2-functionalization of calix[4]arenes at the lower rim. Synthesis of a new type of bis-calixcrown ether. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 1597.	2.0	69

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55	Synthesis and Properties of Upper Rim C-Linked Peptidocalix[4]arenes. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 595-602.	2.4	69
56	Synthesis of water soluble molecular receptors from calix[4]arenes fixed in the cone conformation. <i>Tetrahedron</i> , 1993, 49, 9815-9822.	1.9	68
57	Upper Rim Guanidinocalix[4]arenes as Artificial Phosphodiesterases. <i>Journal of Organic Chemistry</i> , 2012, 77, 3381-3389.	3.2	65
58	Selective Complexation by p-tert-Butylcalix[6]arene in Monolayers at the Water-Air Interface. <i>Langmuir</i> , 1995, 11, 1268-1272.	3.5	64
59	Synthesis, conformations and redox properties of diametrical calix[4]arenequinones. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1993, 112, 384-392.	0.0	61
60	Selectivity of Calix[4]arene-crown-6 for Cesium Ion in Ise: Effect of the Conformation. <i>Analytical Chemistry</i> , 1995, 67, 4234-4238.	6.5	61
61	Synthesis of new calixcrowns and their anchoring to silica gel for the selective separation of Cs ⁺ and K ⁺ . <i>Chemical Communications</i> , 1996, , 2277.	4.1	61
62	Lower Rim Guanidinocalix[4]arenes: Macrocyclic Nonviral Vectors for Cell Transfection. <i>Bioconjugate Chemistry</i> , 2012, 23, 993-1002.	3.6	59
63	2,9-Dicarbonyl-1,10-phenanthroline derivatives with an unprecedented Am(III)/Eu(III) selectivity under highly acidic conditions. <i>Dalton Transactions</i> , 2013, 42, 16930.	3.3	58
64	Enlarging the size of calix[4]arene-crowns-6 to improve Cs ⁺ /K ⁺ selectivity: a theoretical and experimental study. <i>Tetrahedron</i> , 2004, 60, 7869-7876.	1.9	57
65	Calixarene-Based Picolinamide Extractants for Selective An/Ln Separation from Radioactive Waste. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2338-2348.	2.4	57
66	X-ray Crystal Structures and Molecular Modelling Studies of Calix[4]dibenzocrowns-6 and Their Alkali Metal Cation Complexes. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 1559-1568.	2.4	55
67	New synthetic receptors based on calix[4]arenes for the selective recognition of ions and neutral molecules. <i>Pure and Applied Chemistry</i> , 1996, 68, 1213-1218.	1.9	52
68	New artificial receptors from selectively functionalized calix[4]arenes. <i>Supramolecular Chemistry</i> , 1993, 1, 235-246.	1.2	51
69	Di- and Trinuclear Zn ²⁺ Complexes of Calix[4]arene Based Ligands as Catalysts of Acyl and Phosphoryl Transfer Reactions. <i>Journal of Organic Chemistry</i> , 2005, 70, 624-630.	3.2	50
70	Picomolar inhibition of cholera toxin by a pentavalent ganglioside GM1os-calix[5]arene. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4340-4349.	2.8	50
71	Cyclodextrin- and calixarene-based polycationic amphiphiles as gene delivery systems: a structure-activity relationship study. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1708-1723.	2.8	49
72	A Prototype Calix[4]arene-Based Receptor for Carbohydrate Recognition Containing Peptide and Phosphate Binding Groups. <i>Journal of Organic Chemistry</i> , 2003, 68, 6296-6303.	3.2	48

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73	A new water-soluble calix[4]arene ditopic receptor rigidified by microsolvation: Acid-base and inclusion properties. <i>Tetrahedron Letters</i> , 1997, 38, 1999-2002.	1.4	47
74	Glycoligand-targeted core-shell nanospheres with tunable drug release profiles from calixarene-cyclodextrin heterodimers. <i>Chemical Communications</i> , 2014, 50, 7440-7443.	4.1	47
75	The barium(II) complex of p-tert-butylcalix[4]arene-crown-5: a novel nucleophilic catalyst with transacylase activity. <i>Journal of the American Chemical Society</i> , 1992, 114, 10956-10958.	13.7	46
76	Efficient cell penetration and delivery of peptide nucleic acids by an argininocalix[4]arene. <i>Scientific Reports</i> , 2019, 9, 3036.	3.3	46
77	Synthesis of Upper and Lower Rim Binaphthyl Bridged Calix[4]arenes: A New Potential Chiral Hosts for Molecular Recognition and Catalysis. <i>Journal of Organic Chemistry</i> , 1997, 62, 8654-8659.	3.2	44
78	Gold nanoparticles decorated by clustered multivalent cone-glycolixarenes actively improve the targeting efficiency toward cancer cells. <i>Chemical Communications</i> , 2014, 50, 11029.	4.1	43
79	Cesium-selective chemically modified field effect transistors with calix[4]arene-crown-6 derivatives. <i>Analytica Chimica Acta</i> , 1995, 310, 263-267.	5.4	42
80	2,2'-Bipyridine Lariat Calixcrowns: A New Class of Encapsulating Ligands Forming Highly Luminescent Eu ³⁺ and Tb ³⁺ Complexes. <i>Chemistry - A European Journal</i> , 2000, 6, 1026-1034.	3.3	42
81	A Calix[4]arene GdIII Complex Endowed with High Stability, Relaxivity, and Binding Affinity to Serum Albumin. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4737-4739.	13.8	41
82	Cobalt Bis(dicarbollides)(1-) Covalently Attached to the Calix[4]arene Platform: The First Combination of Organic Bowl-Shaped Matrices and Inorganic Metallaborane Cluster Anions. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2022-2039.	2.4	41
83	Phosphonated Calixarene as a Molecular Glue for Protein Crystallization. <i>Crystal Growth and Design</i> , 2018, 18, 2467-2473.	3.0	41
84	Building Multivalent Iminosugar-Based Ligands on Calixarene Cores via Nitrene Cycloadditions. <i>Journal of Organic Chemistry</i> , 2012, 77, 6980-6988.	3.2	40
85	Selective Complexation and Membrane Transport of Guanidinium Salts by Calix[6]arene Amides. <i>Israel Journal of Chemistry</i> , 1992, 32, 79-87.	2.3	38
86	Synthesis of calix[6]arenes partially functionalized at the upper rim. <i>Tetrahedron</i> , 1995, 51, 12699-12720.	1.9	38
87	Evidence for cation-π interactions in calixcrown-KPic complexes from X-ray crystal structure analysis and energy calculations. <i>Supramolecular Chemistry</i> , 1995, 5, 179-184.	1.2	38
88	Selective Extraction of Cesium at Tracer Level Concentration from a Sodium Nitrate Solution with Calix-Crowns. Molecular Modeling Study of the Cs ⁺ /Na ⁺ Selectivity. <i>Separation Science and Technology</i> , 1997, 32, 175-191.	2.5	37
89	Docetaxel-Loaded Nanoparticles Assembled from β ² -Cyclodextrin/Calixarene Giant Surfactants: Physicochemical Properties and Cytotoxic Effect in Prostate Cancer and Glioblastoma Cells. <i>Frontiers in Pharmacology</i> , 2017, 8, 249.	3.5	37
90	Photophysics of 1,3-alternate calix[4]arene-crowns and of their metal ion complexes: evidence for cation-π interactions in solution. <i>New Journal of Chemistry</i> , 2000, 24, 155-158.	2.8	36

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91	Study of the behavior of calix[4]arene-based sodium-selective electrodes by means of ANOVA. <i>Analytical Chemistry</i> , 1993, 65, 3156-3160.	6.5	35
92	p-(Benzyloxy)calix[8]arene: One-Pot Synthesis and Functionalization. <i>Journal of Organic Chemistry</i> , 1997, 62, 6236-6239.	3.2	35
93	Charge assisted hydrophobic binding of ethanol into the cavity of calix[4]arene receptors in aqueous solution. <i>Tetrahedron Letters</i> , 1997, 38, 4685-4688.	1.4	35
94	A novel self-assembled supramolecular architecture involving cation, anion and a calix[4]arene heteroditopic receptor. <i>Tetrahedron Letters</i> , 2002, 43, 7311-7314.	1.4	35
95	Novel cinchona carbamate selectors with complementary enantioselective characteristics for N-acylated amino acids. <i>Chirality</i> , 2003, 15, S17-S29.	2.6	35
96	Conformationally Mobile Glucosylthioureidocalix[6]- and Calix[8]arenes: Synthesis, Aggregation and Lectin Binding. <i>Supramolecular Chemistry</i> , 2008, 20, 161-168.	1.2	34
97	Incorporation of a calixarene-based glucose functionalised bolaamphiphile into lipid bilayers for multivalent lectin recognition. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4811.	2.8	34
98	Time-Resolved Laser Fluorescence Spectroscopy Study of the Coordination Chemistry of a Hydrophilic CHON [1,2,3-Triazol-4-yl]pyridine Ligand with Cm(III) and Eu(III). <i>Inorganic Chemistry</i> , 2017, 56, 2135-2144.	4.0	34
99	Alkaline earth and uranyl cation complexes of a calix[4]arene-tetraamide: MD and FEP simulations in aqueous and acetonitrile solutions and X-ray structure of its Sr(Picrate) ₂ complex. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 1065.	0.9	33
100	Modulation of cation binding in calix[4]arene amides: synthesis, complexation and molecular modelling studies. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 1727-1738.	0.9	33
101	Catalysis of Acyl Group Transfer by a Double-Displacement Mechanism: The Cleavage of Aryl Esters Catalyzed by Calixcrown-Ba ²⁺ Complexes. <i>Chemistry - A European Journal</i> , 2000, 6, 1322-1330.	3.3	33
102	CO ₂ Capture by Multivalent Amino-Functionalized Calix[4]arenes: Self-Assembly, Absorption, and QCM Detection Studies. <i>Journal of Organic Chemistry</i> , 2011, 76, 3720-3732.	3.2	32
103	Ribonuclease Activity of an Artificial Catalyst That Combines a Ligated Cu ^{II} Ion and a Guanidinium Group at the Upper Rim of a Cone-Calix[4]arene Platform. <i>Journal of Organic Chemistry</i> , 2015, 80, 5887-5893.	3.2	32
104	Optimization and Single-Stage Centrifugal Contactor Experiments with the Novel Hydrophilic Complexant PyTri-Diol for the SANEX Process. <i>Solvent Extraction and Ion Exchange</i> , 2018, 36, 373-386.	2.0	32
105	Selective Functionalization of Calix[6]arenes at the Upper Rim. <i>Synthesis</i> , 1994, 1994, 47-50.	2.3	31
106	CMPO-substituted calix[6]- and calix[8]arene extractants for the separation of An ³⁺ /Ln ³⁺ from radioactive waste. <i>Tetrahedron</i> , 2006, 62, 6749-6753.	1.9	30
107	Calixarenes and cations: a time-lapse photography of the big-bang. <i>Chemical Communications</i> , 2013, 49, 6827.	4.1	30
108	Complexation Properties of p-tert-Butylcalix[6]arene Hexamide in Monolayers at the Water-Air Interface. <i>Langmuir</i> , 1996, 12, 1589-1593.	3.5	29

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109	Calix[4]arenes with perfluorinated alcoholic functions at the upper rim: a new class of neutral anion receptors. <i>Chemical Communications</i> , 1998, , 2607-2608.	4.1	29
110	Dendrimer-coated magnetic particles for radionuclide separation. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 559-566.	2.3	29
111	Calix[4]arene-Based Zn ²⁺ Complexes as Shape- and Size-Selective Catalysts of Ester Cleavage. <i>Journal of Organic Chemistry</i> , 2005, 70, 5398-5402.	3.2	29
112	Synthesis of calix[4]arene receptors incorporating (2,2'-bipyridin-6-yl)methyl and (9-methyl-1,10-phenanthrolin-2-yl)methyl chromophores and luminescence of their Eu ³⁺ and Tb ³⁺ complexes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 395-399.	0.9	28
113	Calix[6]arene-picolinamide extractants for radioactive waste: effect of modification of the basicity of the pyridine N atom on the extraction efficiency and An/Ln separation. <i>Dalton Transactions</i> , 2010, 39, 2546.	3.3	28
114	Amphiphilic Guanidinocalixarenes Inhibit Lipopolysaccharide (LPS)- and Lectin-Stimulated Toll-like Receptor 4 (TLR4) Signaling. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4882-4892.	6.4	28
115	Strontium complexes of calixarene amides in the solid state: structural dependence on the ligand size and on the counter ions. <i>Dalton Transactions RSC</i> , 2000, , 3411-3415.	2.3	27
116	Synthesis and spectroscopic studies of isosteviol-calix[4]arene and -calix[6]arene conjugates. <i>Tetrahedron</i> , 2005, 61, 5457-5463.	1.9	27
117	Di- and trinuclear arrangements of zinc(II)-1,5,9-triazacyclododecane units on the calix[4]arene scaffold: Efficiency and substrate selectivity in the catalysis of ester cleavage. <i>Inorganica Chimica Acta</i> , 2007, 360, 981-986.	2.4	27
118	The Role of Building-Block Metrics in the Halogen-Bonding-Driven Self-Assembly of Calixarenes, Inorganic Salts and Diiodoperfluoroalkanes. <i>Chemistry - A European Journal</i> , 2009, 15, 7903-7912.	3.3	27
119	Luminescence of Eu ³⁺ and Tb ³⁺ complexes of new macrobicyclic ligands derived from p-tert-butylcalix[4]arene. <i>Inorganica Chimica Acta</i> , 1996, 252, 19-24.	2.4	26
120	Synthesis of upper rim calix[4]arene divalent glycoclusters via amide bond conjugation. <i>Tetrahedron</i> , 2005, 61, 1149-1154.	1.9	26
121	Low-generation dendrimers with a calixarene core and based on a chiral C ₂ -symmetric pyrrolidine as iminosugar mimics. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 951-957.	2.2	26
122	Highly efficient intramolecular Cannizzaro reaction between 1,3-distal formyl groups at the upper rim of a cone-calix[4]arene. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5109.	2.8	26
123	Multivalent and Multifunctional Calixarenes in Bionanotechnology. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5056-5069.	2.4	26
124	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2001, 41, 193-200.	1.6	25
125	ATP cleavage by cone tetraguanidinocalix[4]arene. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8941.	2.8	25
126	Diguanidinocalix[4]arenes as effective and selective catalysts of the cleavage of diribonucleoside monophosphates. <i>RSC Advances</i> , 2014, 4, 34412-34416.	3.6	25

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127	Counterion complexation of calixarene ligands in monolayers and micellar solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 167, 105-113.	4.7	24
128	New Tetrafunctionalized Calix[4]arenes as Neutral Hosts for Anion Recognition. <i>Supramolecular Chemistry</i> , 2000, 12, 53-65.	1.2	24
129	Quinoline-Containing Calixarene Fluoroionophores: A Combined NMR, Photophysical and Modeling Study. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 1475-1485.	2.4	24
130	Dinuclear Barium(II) Complexes Based on a Calix[4]arene Scaffold as Catalysts of Acyl Transfer. <i>Chemistry - A European Journal</i> , 2004, 10, 4436-4442.	3.3	24
131	Calix[6]arene-Picolinamide Extractants for Radioactive Waste Treatment: Effect of Additional Carboxy Binding Sites in the Pyridine 6-Positions on Complexation, Extraction Efficiency and An/Ln Separation. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2675-2686.	2.4	24
132	Upper Rim Bifunctional Calix[4]arenes Based on a Ligated Metal Ion and a Guanidinium Unit as DNAase and RNAase Mimics. <i>Journal of Organic Chemistry</i> , 2016, 81, 4728-4735.	3.2	24
133	Zuckercalixarene: Synthese von Calix[4]arenen mit O-Glycosylsubstituenten am oberen oder unteren Rand. <i>Angewandte Chemie</i> , 1994, 106, 2533-2535.	2.0	23
134	Self-Assembled Chiral Dimeric Capsules from Difunctionalized N-C-Linked Peptidocalix[4]arenes: Scope and Limitations. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 869-886.	2.4	23
135	Glucosylthioureidocalix[4]arenes: Synthesis, conformations and gas phase recognition of amino acids. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 906-915.	2.8	23
136	Activation of the Aromatic Core of 3,3'-bis(2-(pyridine-2,6-diylbis(1-H-1,2,3-triazole-4,1-diyl))bis(propan-1-ol)) Effects on Extraction Performance, Stability Constants, and Basicity. <i>Inorganic Chemistry</i> , 2019, 58, 14642-14651.	4.0	23
137	Synthesis, self-assembly and anticancer drug encapsulation and delivery properties of cyclodextrin-based giant amphiphiles. <i>Carbohydrate Polymers</i> , 2021, 252, 117135.	10.2	23
138	CALIXARENES IN SPHERICAL METAL ION RECOGNITION. , 2000, , 62-84.		22
139	Counterion Complexation by Calixarene Ligands in Cesium and Potassium Dodecyl Sulfate Micelles. A Small Angle Neutron Scattering Study. <i>Langmuir</i> , 2000, 16, 188-194.	3.5	22
140	Development of a Selective Americium Separation Process Using H ₄ TPAEN as Water-Soluble Stripping Agent. <i>Solvent Extraction and Ion Exchange</i> , 2019, 37, 313-327.	2.0	22
141	Guanidinium Promoted Cleavage of Phosphoric Diesters: Kinetic Investigations and Calculations Provide Indications on the Operating Mechanism. <i>Journal of Organic Chemistry</i> , 2017, 82, 10461-10469.	3.2	21
142	A calix[4]arene with acylguanidine units as an efficient catalyst for phosphodiester bond cleavage in RNA and DNA model compounds. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7482-7492.	2.8	21
143	Novel Schiff base compounds containing calix[4]arene. <i>Inorganica Chimica Acta</i> , 1997, 254, 209-212.	2.4	20
144	Anion transport across phospholipid bilayers promoted by a guanidinium calix[4]arene conjugate. <i>Supramolecular Chemistry</i> , 2013, 25, 631-640.	1.2	20

#	ARTICLE	IF	CITATIONS
145	One-shot preparation of an inherently chiral trifunctional calix[4]arene from an easily available cone-triformylcalix[4]arene. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3642.	2.8	20
146	Efficient Delivery of MicroRNA and AntimiRNA Molecules Using an Argininocalix[4]arene Macrocyclic. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 18, 748-763.	5.1	20
147	Synthesis, Complexation and Photophysics in Protic Solvents of Lanthanide Complexes of Novel Calix[4]arene Polycarboxylic-2,2'-bipyridine Mixed Ligands. <i>Supramolecular Chemistry</i> , 2002, 14, 281-289.	1.2	19
148	Time Programmable Locking/Unlocking of the Calix[4]arene Scaffold by Means of Chemical Fuels. <i>Chemistry - A European Journal</i> , 2020, 26, 14954-14962.	3.3	19
149	Recognition of cationic species with synthetic receptors. <i>Current Opinion in Chemical Biology</i> , 1997, 1, 467-474.	6.1	18
150	Synthesis of Lower Rim Polyhydroxylated Calix[4]arenes. <i>Synthesis</i> , 2001, 2001, 2105-2112.	2.3	18
151	The first synthesis and characterisation of elusive cone 1,2-diformyl tetralkoxycalix[4]arenes and their derivatives. <i>Tetrahedron</i> , 2003, 59, 5539-5544.	1.9	18
152	Clicked and long spaced galactosyl- and lactosylcalix[4]arenes: new multivalent galectin-3 ligands. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1672-1680.	2.2	18
153	Mannosylcalix[n]arenes as multivalent ligands for DC-SIGN. <i>Carbohydrate Research</i> , 2017, 453-454, 36-43.	2.3	18
154	2,6-Bis(1-alkyl-1H-1,2,3-triazol-4-yl)-pyridines: selective lipophilic chelating ligands for minor actinides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 2013-2022.	1.5	18
155	Temporal Control of the Host-Guest Properties of a Calix[6]arene Receptor by the Use of a Chemical Fuel. <i>Journal of Organic Chemistry</i> , 2022, 87, 3623-3629.	3.2	18
156	Calix[4]arene Anion Receptors Bearing 2,2,2-trifluoroethanol Groups at The Upper Rim. <i>Supramolecular Chemistry</i> , 2006, 18, 199-218.	1.2	17
157	Upper-rim CMPO-substituted calix[6]- and calix[8]arene extractants for the An ³⁺ /Ln ³⁺ separation from radioactive waste. <i>Radiochimica Acta</i> , 2008, 96, 235-239.	1.2	17
158	Phosphoryl Transfer Processes Promoted by a Trifunctional Calix[4]arene Inspired by DNA Topoisomerase I. <i>Journal of Organic Chemistry</i> , 2016, 81, 9012-9019.	3.2	17
159	Probing the determinants of porosity in protein frameworks: co-crystals of cytochrome <i>c</i> and an octa-anionic calix[4]arene. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 211-214.	2.8	17
160	Water-soluble calixarenes as synthetic receptors. Remarkable influence of stereochemistry on the coordination properties of two new conformational isomers of a calix[4]arene tetracarboxylate ¹⁻ . <i>Supramolecular Chemistry</i> , 1995, 4, 287-295.	1.2	16
161	Synthesis, Complexation and Photophysics of <i>1,3-alternate</i> Calix[4]arene-crowns-6 Bearing Fluorophoric Units on the Bridge. <i>Supramolecular Chemistry</i> , 2001, 13, 419-434.	1.2	16
162	Peptidocalix[4]arene self-assembled nanotubes. <i>Journal of Supramolecular Chemistry</i> , 2002, 2, 219-226.	0.4	16

#	ARTICLE	IF	CITATIONS
163	Partitioning of minor actinides: Effects of gamma irradiation on the extracting capabilities of a selected calixarene-based picolinamide ligand. <i>Radiation Physics and Chemistry</i> , 2007, 76, 1285-1289.	2.8	15
164	Noncovalent Complexation of Monoamine Neurotransmitters and Related Ammonium Ions by Tetramethoxy Tetraglucosylcalix[4]arene. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 359-365.	2.8	15
165	Dissipative control of the fluorescence of a 1,3-dipyrenyl calix[4]arene in the cone conformation. <i>Organic and Biomolecular Chemistry</i> , 2021, 20, 132-138.	2.8	15
166	Synthesis and binding properties of calix[4]arene diamide dicarboxylic acids. <i>New Journal of Chemistry</i> , 2000, 24, 967-972.	2.8	13
167	Langmuir monolayers of calix[8]arene derivatives: complexation of alkaline earth ions at the air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 248, 135-143.	4.7	12
168	Designing nanoporous crystalline materials by self-assembly: 2D hydrogen-bonded networks from upper rim calix[4]arene diamide derivatives. <i>Inorganica Chimica Acta</i> , 2007, 360, 970-980.	2.4	11
169	Molecular Architecture and Symmetry Properties of 1,3-Alternate Calix[4]arenes with Orientable Groups at the Para Position of the Phenolic Rings. <i>Journal of Organic Chemistry</i> , 2016, 81, 9718-9727.	3.2	11
170	Halogen Bonds Direct the Solid State Architectures of a Multivalent Iodopropargylcalix[4]arene. <i>Crystal Growth and Design</i> , 2020, 20, 3611-3616.	3.0	11
171	Tetra-CMPO-derivatives of calix[4]arenes fixed in the <i>1,3-alternate</i> conformation. <i>Supramolecular Chemistry</i> , 2010, 22, 347-357.	1.2	10
172	Assessing the mechanism of the synergistic action of calixarenes and Co-dicarbollides in lanthanide extractions. <i>New Journal of Chemistry</i> , 2010, 34, 2552.	2.8	10
173	Experimental and Theoretical Evidence of the Bidentate Binding Mode of Dichloroacetamido Groups at the Upper Rim of Calix[4]arene Hydrogen-Bonding Anion Receptors. <i>Collection of Czechoslovak Chemical Communications</i> , 2004, 69, 1063-1079.	1.0	10
174	Remarkable metal ion catalysis of methanolysis of O,O'-oxybis(ethyleneoxyethylene)-tert-butylcalix[4]arene monoacetate. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1291-1293.	2.0	9
175	Solid state interaction of steroids with calixarenes. I. A preliminary FTIR and DSC study on 4-en-3-keto-steroids. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1994, 18, 341-351.	1.6	8
176	Scanning Force Microscopy of Upright-Standing, Isolated Calixarene-Porphyrin Heterodimers. <i>Langmuir</i> , 2005, 21, 8460-8465.	3.5	8
177	Metal ion control of stereochemistry in the acetylation of calix[4]arene 1,3-diethers. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1991, , 2052.	0.9	7
178	Solid-phase synthesis of linear and cyclic peptides containing a calix[4]arene amino acid. <i>Tetrahedron Letters</i> , 2009, 50, 3450-3453.	1.4	7
179	Noncovalent complexation of glucosylthioureidocalix[4]arenes with carboxylates and their gas-phase characteristics: an ESI-FTICR mass spectrometric study. <i>Journal of Mass Spectrometry</i> , 2011, 46, 787-793.	1.6	7
180	Radiolytic degradation of a new diglycol-diamide ligand for actinide and lanthanide co-extraction from spent nuclear fuel. <i>Radiation Physics and Chemistry</i> , 2016, 124, 246-251.	2.8	7

#	ARTICLE	IF	CITATIONS
181	Liquid/Liquid Extraction Kinetics of Eu(III) and Am(III) by Extractants Designed for the Industrial Reprocessing of Nuclear Wastes. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 13477-13490.	3.7	7
182	Multivalent Glycocalixarenes. , 2012, , 36-63.		7
183	Selective actinide(III) separation using 2,6-bis[1-(propan-1-ol)-1,2,3-triazol-4-yl]pyridine (PyTri-Diol) in the innovative-SANEX process: laboratory scale counter current centrifugal contactor demonstration. <i>Radiochimica Acta</i> , 2022, 110, 515-525.	1.2	7
184	Hydrophilic 1,10-phenanthroline derivatives for selective Am(III) stripping into aqueous solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 1811.	1.5	6
185	Actinide–lanthanide co-extraction by rigidified diglycolamides. <i>Solvent Extraction and Ion Exchange</i> , 2018, 36, 41-53.	2.0	6
186	Crown Ethers Derived from Calix[4]arenes. , 2001, , 365-384.		6
187	Barium(II)-ion assisted monodeacetylation of partial-cone calix[4]arene-crown-5 diacetate. A convenient preparation of partial-cone calix[4]arene-crown-5 monoacetate. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 369.	0.9	5
188	Solvent-dependent host–guest complexation of two homologous merocyanines by a water-soluble calix[8]arene: Spectroscopic analysis and structural calculations. <i>Journal of Molecular Structure</i> , 2007, 846, 49-54.	3.6	5
189	Interactions of tolcapone analogues as stabilizers of the amyloidogenic protein transthyretin. <i>Bioorganic Chemistry</i> , 2020, 103, 104144.	4.1	4
190	Calixarene-decorated liposomes for intracellular cargo delivery. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6598-6602.	2.8	4
191	A Structure–Activity Investigation on Modified Analogues of an Argininocalixarene Based Non–viral Gene Vector. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4076-4087.	2.4	4
192	Proximal and distal N,C-linked tetra-peptidocalix[4]arenes as bifunctional receptors: synthesis, conformation and preliminary binding studies. <i>Supramolecular Chemistry</i> , 2010, 22, 776-788.	1.2	3
193	Large glucosylthioureidocalixarenes: selective hosts for mono- and bisphosphonates. <i>Supramolecular Chemistry</i> , 2012, 24, 228-233.	1.2	3
194	Upper-rim acidic peptidocalixarenes as crystal growth modifiers. <i>Supramolecular Chemistry</i> , 2014, 26, 488-499.	1.2	3
195	Inherently chiral cone-calix[4]arenes via a subsequent upper rim ring-closing/opening methodology. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7255-7264.	2.8	3
196	Calixarenes Incorporating Sulfonamide Moieties: Versatile Ligands for Carbonic Anhydrases Inhibition. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	3
197	Water-Soluble Calixarenes. , 2001, , 440-456.		2
198	Peptido- and Glycocalixarenes. , 2007, , 233-257.		2

#	ARTICLE	IF	CITATIONS
199	Complete tetraglycosylation of a calix[4]arene by a chemo-enzymatic approach. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 10064-10072.	2.8	2
200	Delivery of Peptide Nucleic Acids Using an Argininocalix[4]arene as Vector. <i>Methods in Molecular Biology</i> , 2021, 2211, 123-143.	0.9	2
201	Calixarenes as Supramolecular Catalysts Endowed with Esterase and Phosphodiesterase Activity. , 2016, , 691-717.		1
202	Water-Soluble Calixarene Hosts that Specifically Recognize the Trimethylammonium Group or the Benzene Ring of Aromatic Ammonium Cations: A Combined 1H NMR, Calorimetric, and Molecular Mechanics Investigation. , 1999, 5, 738.		1
203	Water-Soluble Calixarene Hosts that Specifically Recognize the Trimethylammonium Group or the Benzene Ring of Aromatic Ammonium Cations: A Combined 1H NMR, Calorimetric, and Molecular Mechanics Investigation. <i>Chemistry - A European Journal</i> , 1999, 5, 738-744.	3.3	1
204	Halogen-bonded architectures of multivalent calix[4]arenes. <i>CrystEngComm</i> , 2022, 24, 3770-3777.	2.6	1
205	Peptido- and Glycocalixarenes: Playing with Hydrogen Bonds Around Hydrophobic Cavities. <i>ChemInform</i> , 2003, 34, no.	0.0	0
206	A Prototype Calix[4]arene-Based Receptor for Carbohydrate Recognition Containing Peptide and Phosphate Binding Groups.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
207	Noncovalent Synthesis of Organic Structures. <i>ChemInform</i> , 2005, 36, no.	0.0	0
208	A study on synergistic effects and protonation of a selected calixarene based picolinamide ligand used in the An/Ln separation. <i>European Physical Journal D</i> , 2006, 56, D453-D458.	0.4	0
209	Special issue of <i>Supramolecular Chemistry</i> honouring Professor Rocco Ungaro. <i>Supramolecular Chemistry</i> , 2013, 25, 535-536.	1.2	0
210	Biomimetic Receptors: Carboxylate Recognition. , 0, , 408-421.		0