

The Cucurbit[n]uril Family

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Eight-Membered and Larger Rings. Progress in Heterocyclic Chemistry, 1990, , 277-288.	0.5	4
2	Molecular recognition of dihydroxyaromatics with bis-o-xylyleneglycoluril hosts. Pure and Applied Chemistry, 1996, 68, 1561-1567.	0.9	19
3	The Cucurbit[n]uril Family: Prime Components for Self-Sorting Systems. Journal of the American Chemical Society, 2005, 127, 15959-15967.	6.6	786
4	The Cucurbit[n]uril Family. ChemInform, 2005, 36, no.	0.1	2
5	Cucurbit[10]uril. Journal of the American Chemical Society, 2005, 127, 16798-16799.	6.6	298
6	Chapter 3 From methylene bridged glycoluril dimers to cucurbit[n]uril analogs with some detours along the way. Strategies and Tactics in Organic Synthesis, 2005, 6, 71-99.	0.1	0
7	Cucurbit[n]uril Analogues: Synthetic and Mechanistic Studies. Journal of Organic Chemistry, 2005, 70, 10381-10392.	1.7	83
8	The Inverted Cucurbit[n]uril Family. Journal of the American Chemical Society, 2005, 127, 18000-18001.	6.6	162
9	Host-Guest Complexation of Neutral Red with Macrocyclic Host Molecules: Contrasting pKa Shifts and Binding Affinities for Cucurbit[7]uril and β -Cyclodextrin. Journal of Physical Chemistry B, 2006, 110, 5132-5138.	1.2	266
10	High Fidelity Kinetic Self-Sorting in Multi-Component Systems Based on Guests with Multiple Binding Epitopes. Journal of the American Chemical Society, 2006, 128, 14093-14102.	6.6	190
11	Cucurbit[7]uril host-guest complexes with cationic bis(4,5-dihydro-1H-imidazol-2-yl) guests in aqueous solution. Canadian Journal of Chemistry, 2006, 84, 905-914.	0.6	28
12	Inhibition of C(2)-H/D exchange of a bis(imidazolium) dication upon complexation with cucurbit[7]uril. Chemical Communications, 2006, , 2908.	2.2	67
13	Cucurbituril binding of trans- $[\text{PtCl}(\text{NH}_3)_2]_2(\mu\text{-NH}_2(\text{CH}_2)_8\text{NH}_2)_2$ and the effect on the reaction with cysteine. Dalton Transactions, 2006, , 5337-5344.	1.6	63
14	Ion Binding to Cucurbit[6]uril: Structure and Dynamics. Journal of Physical Chemistry B, 2006, 110, 14463-14468.	1.2	11
15	Regioselective Photodimerization of Cinnamic Acids in Water: Templatation with Cucurbiturils. Langmuir, 2006, 22, 7605-7609.	1.6	79
16	Chiral Recognition in Cucurbituril Cavities. Journal of the American Chemical Society, 2006, 128, 14871-14880.	6.6	110
17	Photoinduced and dark complexation of unsaturated viologen analogues containing two ammonium tails with cucurbit[8]uril. New Journal of Chemistry, 2006, 30, 458.	1.4	34
18	Silver(I) Ion Assisted Assembly of One-Dimensional Polyrotaxanes Incorporating Cucurbit[6]uril. Crystal Growth and Design, 2006, 6, 1420-1427.	1.4	25

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19	Stabilization of the (E)-1-Ferrocenyl-2-(1-methyl-4-pyridinium)ethylene Cation by Inclusion in Cucurbit[7]uril. <i>Organometallics</i> , 2006, 25, 1820-1823.	1.1	41
20	Cucurbit[7]uril Mediates the Stereoselective [4+4] Photodimerization of 2-Aminopyridine Hydrochloride in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2006, 71, 1237-1239.	1.7	89
21	J�rgensen Complex within a Molecular Container: Selective Encapsulation of trans-[Co(en)2Cl2]+ into Cucurbit[8]uril and Influence of Inclusion on Guest's Properties. <i>Inorganic Chemistry</i> , 2006, 45, 6950-6955.	1.9	41
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23	Circular Dichroism of Intra- and Intermolecular Charge-Transfer Complexes. Enhancement of Anisotropy Factors by Dimer Formation and by Confinement. <i>Journal of Organic Chemistry</i> , 2006, 71, 3232-3247.	1.7	34
24	Complexation of Poly(phenylenevinylene) Precursors and Monomers by Cucurbituril Hosts. <i>Chemistry of Materials</i> , 2006, 18, 5944-5949.	3.2	26
25	Preparation and biological activity of novel cucurbit[8]uril fullerene complex. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2006, 85, 223-227.	1.7	21
26	Cucurbituril anchored silica gel. <i>Tetrahedron Letters</i> , 2006, 47, 2073-2075.	0.7	48
27	DFT study of cucurbit[n]uril, n=5-10. <i>Computational and Theoretical Chemistry</i> , 2006, 765, 151-152.	1.5	31
28	Recent progress on switchable rotaxanes. <i>Chemical Society Reviews</i> , 2006, 35, 361.	18.7	369
29	Nor-Seco-Cucurbit[10]uril Exhibits Homotropic Allostereism. <i>Journal of the American Chemical Society</i> , 2006, 128, 14744-14745.	6.6	167
30	Switching a molecular shuttle on and off: simple, pH-controlled pseudorotaxanes based on cucurbit[7]uril. <i>Chemical Communications</i> , 2006, , 2185.	2.2	124
31	Synthesis and guest exchange reactions of inclusion compounds of cucurbit[8]uril with nickel(II) and copper(II) complexes. <i>Russian Chemical Bulletin</i> , 2006, 55, 26-35.	0.4	10
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34	Unexpected Cyclization of Dipyridyl-glycoluril in the Presence of Formaldehyde and Strong Acid: A New Scaffold with a Potential as an Anion Receptor. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2006, 55, 219-222.	1.6	1
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36	[5]Rotaxane and [5]Pseudorotaxane Based on Cucurbit[6]uril and Anchored to a Meso-tetraphenyl Porphyrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2006, 55, 373-380.	1.6	60

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39	Characterization of host-guest complexes of cucurbit[n]uril (n = 6, 7) by electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2006, 41, 202-207.	0.7	43
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44	A synthetic host-guest system achieves avidin-biotin affinity by overcoming enthalpy-entropy compensation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20737-20742.	3.3	534
45	The Host-Guest Chemistry of Proflavine with Cucurbit[6,7,8]urils. <i>Supramolecular Chemistry</i> , 2007, 19, 475-484.	1.5	38
46	Squeezing Fluorescent Dyes into Nanoscale Containers-The Supramolecular Approach to Radiative Decay Engineering. <i>Springer Series on Fluorescence</i> , 2007, , 185-211.	0.8	20
47	Exclusive Formation of 1:1 and 2:2 Complexes between Cucurbit[8]uril and Electron Donor-acceptor Molecules Induced by Host-stabilized Charge-transfer Interactions. <i>Supramolecular Chemistry</i> , 2007, 19, 287-293.	1.5	38
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75	Cucurbituril Encapsulation of Fluorescent Dyes. <i>Supramolecular Chemistry</i> , 2007, 19, 55-66.	1.5	250
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1171	A Supramolecularly Activated Radical Cation for Accelerated Catalytic Oxidation. <i>Angewandte Chemie</i> , 2016, 128, 9079-9083.	1.6	19
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1286	Encapsulation of alkyldiammonium ions within two different cavities of twisted cucurbit[14]uril. <i>Chemical Communications</i> , 2016, 52, 2589-2592.	2.2	30
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1292	Host-guest complexation of di-cyclohexanocucurbit[6]uril and hexa-cyclohexanocucurbit[6]uril with alkyldiammonium ions: a comparative study. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 674-679.	1.5	17
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1449	Shape-Controllable and Fluorescent Supramolecular Organic Frameworks Through Aqueous Host-Guest Complexation. <i>Angewandte Chemie</i> , 2018, 130, 737-741.	1.6	31
1450	Synthesis, Structure, and Anion Binding Properties of Electron-Deficient Tetrahomocorona[4]arenes: Shape Selectivity in Anion- π Interactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6536-6540.	7.2	48
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1452	Highly Efficient Supramolecular Catalysis by Endowing the Reaction Intermediate with Adaptive Reactivity. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6077-6081.	7.2	44
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1455	pH-Gated photoresponsive shuttling in a water-soluble pseudorotaxane. <i>Chemical Communications</i> , 2018, 54, 2743-2746.	2.2	25
1456	Enhanced chiral recognition by β -cyclodextrin-cucurbit[6]uril-cowheeled [4]pseudorotaxanes. <i>Chemical Communications</i> , 2018, 54, 2643-2646.	2.2	39
1457	Polyaromatic molecular tubes: from strategic synthesis to host functions. <i>Chemical Communications</i> , 2018, 54, 3195-3206.	2.2	48
1458	Cucurbit[10]uril-based chemistry. <i>Chinese Chemical Letters</i> , 2018, 29, 1560-1566.	4.8	56
1459	A General Approach to Synthesize Metal Nanostructures by Using Cucurbit[7]uril. <i>Nano</i> , 2018, 13, 1850007.	0.5	3
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1462	Interaction of a Triaryl Methane Dye with Cucurbit[7]uril and Bovine Serum Albumin: A Perspective of Cooperative versus Competitive Bindings. <i>ChemistrySelect</i> , 2018, 3, 1088-1096.	0.7	8
1463	Synthesis of glycolurils and their analogues. <i>Russian Chemical Reviews</i> , 2018, 87, 89-108.	2.5	41
1464	Chemical Sensors Based on Cucurbit[<i>n</i>]uril Macrocycles. <i>Israel Journal of Chemistry</i> , 2018, 58, 357-412.	1.0	69
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1469	Alkylation, Heating, and Doping-Induced Emission Enhancement of a Polyaromatic Tube in the Solid State. <i>Chemistry - an Asian Journal</i> , 2018, 13, 515-519.	1.7	4
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1478	Solubilization of Hydrophobic Catalysts Using Nanoparticle Hosts. <i>Small</i> , 2018, 14, 1702198.	5.2	21
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1482	The chaotropic effect as an orthogonal assembly motif for multi-responsive dodecaborate-cucurbituril supramolecular networks. <i>Chemical Communications</i> , 2018, 54, 2098-2101.	2.2	62
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1485	Cucurbit[n]urils (n = 6-8) used as host molecules on supramolecular complexes formed with two different drugs: Emodin and indomethacin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 557, 66-75.	2.3	9
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1489	Supramolecular Complexation between Porphyrin-Viologen Dyad and Cucurbit[7]uril. <i>ChemistrySelect</i> , 2018, 3, 256-261.	0.7	11
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1497	Guest-Responsive, Non-proteolytic Harvest of a Cell-sheet using Controllable Host-Guest Chemistry. <i>Israel Journal of Chemistry</i> , 2018, 58, 461-465.	1.0	2
1498	Shape-Controllable and Fluorescent Supramolecular Organic Frameworks Through Aqueous Host-Guest Complexation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 729-733.	7.2	161
1499	Imidazolium p-tert-Butylthiacalix[4]arene Amphiphiles' Aggregation in Water Solutions and Binding with Adenosine 5'-Triphosphate Dipotassium Salt. <i>BioNanoScience</i> , 2018, 8, 337-343.	1.5	4
1500	Highly selective absorption of polychloromethanes in perhydroxylated cucurbit[6]uril-based supramolecular assemblies. <i>New Journal of Chemistry</i> , 2018, 42, 802-806.	1.4	1
1501	Adsorption behavior and mechanism of acidic blue 25 dye onto cucurbit[8]uril: A spectral and DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 125-132.	2.0	24

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1504	Supramolecular polymeric biomaterials. <i>Biomaterials Science</i> , 2018, 6, 10-37.	2.6	129
1505	Synthesis and characterization of host-guest inclusion complex of <i>m</i> -cresol with β -cyclodextrin. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 90, 61-73.	0.9	5
1506	Self-Assembly of Tetrameric and Hexameric Terpyridine-Based Macrocycles Using Cd(II), Zn(II), and Fe(II). <i>Inorganic Chemistry</i> , 2018, 57, 3548-3558.	1.9	21
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1508	<i>In situ</i> synthesis of ultrafine metal clusters triggered by dodecaborate supramolecular organic frameworks. <i>Nanoscale</i> , 2018, 10, 19846-19853.	2.8	27
1509	Photodeamination to quinone methides in cucurbit[<i>n</i>]urils: potential application in drug delivery. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8908-8912.	1.5	8
1510	Nature of cucurbituril-halogen encapsulation. Structural and interaction energy consideration in the $X_{2}@CB[n]$ ($X = Cl, Br, I, n = 6, 7, 8$) from relativistic DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 29325-29332.	1.3	7
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1514	Eukaryotic Cell Toxicity and HSA Binding of $[Ru(Me_4phen)(bb_7)]^{2+}$ and the Effect of Encapsulation in Cucurbit[10]uril. <i>Frontiers in Chemistry</i> , 2018, 6, 595.	1.8	9
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1516	Cavitation energies can outperform dispersion interactions. <i>Nature Chemistry</i> , 2018, 10, 1252-1257.	6.6	60
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1519	Synthesis of new <i>p</i> -tert-butylcalix[4]arene-based polyammonium triazolyl amphiphiles and their binding with nucleoside phosphates. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1980-1993.	1.3	16

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1524	Molecular Recognition of Methionine-Terminated Peptides by Cucurbit[8]uril. <i>Journal of the American Chemical Society</i> , 2018, 140, 12263-12269.	6.6	62
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1526	The pH-controlled [2] or [3] pseudorotaxanes based on stilbene dye SD \dot{S} , CB[7]. <i>Supramolecular Chemistry</i> , 2018, 30, 955-959.	1.5	0
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1529	Cucurbit[8]uril-Based Polymers and Polymer Materials. <i>Small</i> , 2018, 14, e1802234.	5.2	49
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1535	The Cucurbit[7]uril-Based Supramolecular Chemistry for Reversible B/Zn-DNA Transition. <i>Advanced Science</i> , 2018, 5, 1800231.	5.6	26
1536	Molecular-Scale Porous Materials Based on Pillar[n]arenes. <i>CheM</i> , 2018, 4, 2029-2053.	5.8	236
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1540	Rational design of boron-dipyrromethene (BODIPY) reporter dyes for cucurbit[7]uril. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1961-1971.	1.3	14
1542	Encapsulation of Chemotherapeutic Drug Melphalan in Cucurbit[7]uril: Effects on Its Alkylating Activity, Hydrolysis, and Cytotoxicity. <i>ACS Omega</i> , 2018, 3, 8337-8343.	1.6	22
1543	Hybrid Molecular Container Based on Glycoluril and Triptycene: Synthesis, Binding Properties, and Triggered Release. <i>Chemistry - A European Journal</i> , 2018, 24, 14101-14110.	1.7	13
1544	Inhibition of the fibrillation of highly amyloidogenic human calcitonin by cucurbit[7]uril with improved bioactivity. <i>Acta Biomaterialia</i> , 2018, 78, 178-188.	4.1	24
1545	Hydrogenation of Furfural with Nickel Nanoparticles Stabilized on Nitrogen-Rich Carbon Core-Shell and Its Transformations for the Synthesis of γ -Valerolactone in Aqueous Conditions. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24480-24490.	4.0	55
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1547	A Highly Selective and Strong Anti-Interference Host-Guest Complex as Fluorescent Probe for Detection of Amantadine by Indicator Displacement Assay. <i>Molecules</i> , 2018, 23, 947.	1.7	13
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1549	Theoretical evaluation of symmetrical β , γ -tetramethyl cucurbit[6]uril for haloalkane 1-(3-chlorophenyl)-4-(3-chloropropyl)-piperazinium and chloroform encapsulation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 92, 103-114.	0.9	2
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1551	pH-responsive molecular assemblies of pyridylbutadiene derivative with cucurbit[7]uril. <i>RSC Advances</i> , 2018, 8, 16738-16745.	1.7	10
1552	Layer-by-layer assembly of anionic-/cationic-pillar[5]arenes multilayer films as chiral interface for electrochemical recognition of tryptophan isomers. <i>Electrochimica Acta</i> , 2018, 277, 1-8.	2.6	41
1553	Alkaline earth cation-mediated photoluminescent complexes of thioflavin T with twisted cucurbit[14]uril. <i>New Journal of Chemistry</i> , 2018, 42, 9244-9251.	1.4	11
1554	Supramolecular Assemblies with Near-Infrared Emission Mediated in Two Stages by Cucurbituril and Amphiphilic Calixarene for Lysosome-Targeted Cell Imaging. <i>Angewandte Chemie</i> , 2018, 130, 12699-12703.	1.6	24
1555	Prediction of CB[8] host-guest binding free energies in SAMPL6 using the double-decoupling method. <i>Journal of Computer-Aided Molecular Design</i> , 2018, 32, 1059-1073.	1.3	13
1556	Supramolecular Assemblies with Near-Infrared Emission Mediated in Two Stages by Cucurbituril and Amphiphilic Calixarene for Lysosome-Targeted Cell Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12519-12523.	7.2	125
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1559	Solvent- and Heat-Dependent Binding Behaviors of HMeQ[6] with Alkyldiammonium Ions. <i>ChemistrySelect</i> , 2018, 3, 9211-9217.	0.7	3
1560	Characterization of inclusion complexation of various tetraalkylammonium chlorides with cucurbit[7]uril by external high-pressure studies. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2018, 92, 205-210.	0.9	3
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1562	A Multi-Component Sensor System for Detection of Amphiphilic Compounds. <i>Angewandte Chemie</i> , 2018, 130, 12923-12926.	1.6	4
1563	An Optimized Sensor Array Identifies All Natural Amino Acids. <i>ACS Sensors</i> , 2018, 3, 1562-1568.	4.0	51
1564	Gabriel Synthesis of Hexakis(aminomethyl)benzene and Its Derivatization. <i>ChemistrySelect</i> , 2018, 3, 6112-6115.	0.7	3
1565	Stimuli-Responsive Supramolecular Assemblies Constructed from Pillar[5]arenes. <i>Accounts of Chemical Research</i> , 2018, 51, 1656-1666.	7.6	246
1566	Cucurbituril mediated single molecule detection and identification via recognition tunneling. <i>Nanotechnology</i> , 2018, 29, 365501.	1.3	26
1567	J-type dimer of Auramine O dye upon encapsulation in cucurbit[8]uril host showing intense excimer emission. <i>Dyes and Pigments</i> , 2018, 159, 331-336.	2.0	9
1568	Understanding the details of aggregation-induced emission (AIE) effect in D-A type imidazolium-based compounds through the stepwise change of rotatable moieties. <i>Dyes and Pigments</i> , 2019, 160, 909-914.	2.0	25
1569	Significantly Enhanced Carbon Dioxide Capture by Anion-Functionalized Liquid Pillar[5]arene through Multiple-Site Interactions. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 16894-16900.	1.8	12
1570	Interactions between acyclic CB[n]-type receptors and nitrated explosive materials. <i>Chemical Communications</i> , 2019, 55, 10635-10638.	2.2	5
1571	Replacing PVP by macrocycle cucurbit[6]uril to cap sub-5 nm Pd nanocubes as highly active and durable catalyst for ethanol electrooxidation. <i>Nano Research</i> , 2019, 12, 2628-2633.	5.8	14
1572	Emerging Two-Dimensional Crystallization of Cucurbit[8]uril Complexes: From Supramolecular Polymers to Nanofibers. <i>Journal of the American Chemical Society</i> , 2019, 141, 14021-14025.	6.6	29
1573	Acyclic cucurbit[n]uril type receptors: secondary versus tertiary amide arms. <i>Supramolecular Chemistry</i> , 2019, 31, 685-694.	1.5	2
1574	Geminiarene: Molecular Scale Dual Selectivity for Chlorobenzene and Chlorocyclohexane Fractionation. <i>Journal of the American Chemical Society</i> , 2019, 141, 12280-12287.	6.6	121
1575	Use of Cucurbit[6]uril as Ionophore in Ion Selective Electrodes for Etilefrine Determination in Pharmaceuticals. <i>Electroanalysis</i> , 2019, 31, 2171-2178.	1.5	5

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1577	Host-Guest Chemistry of a Tetracationic Cyclophane, Namely, Cyclobis (paraquat-p-phenylene)., 2019, , 1-33.		1
1578	A Cucurbit[8]uril 2:2 Complex with a Negative pKa Shift. <i>Chemistry - A European Journal</i> , 2019, 25, 12552-12559.	1.7	22
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1580	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.	6.6	54
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1592	Stepwise Evolution of Molecular Nanoaggregates Inside the Pores of a Highly Flexible Metal-Organic Framework. <i>Angewandte Chemie</i> , 2019, 131, 17503-17511.	1.6	11
1593	A fluorescent pillarene coordination polymer. <i>Polymer Chemistry</i> , 2019, 10, 2980-2985.	1.9	38

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1940	Use of Cucurbit [6] Uril as a Modifier in the Electrochemical Determination of Antitumor Platinum (II) Complex: $[PtCl_{2}(Dimethylamine)(Isopropylamine)]$. Application to Biological Samples. <i>American Journal of Analytical Chemistry</i> , 2013, 04, 314-322.	0.3	4
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1942	Preparation of Cucurbituril Anchored Silica Gel by Cross Polymerization and Its Chromatographic Applications. <i>Bulletin of the Korean Chemical Society</i> , 2008, 29, 1941-1945.	1.0	22
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1951	Computational studies of the encapsulation of ibuprofen and paracetamol into cucurbit[7]uril. <i>Computational and Theoretical Chemistry</i> , 2021, 1206, 113465.	1.1	1
1952	<i>Supramolecular Structural Chemistry</i> . , 2008, , 733-810.		0
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1954	Pulsed Gradient Spin-Echo NMR. , 2011, , 159-185.		1
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1960	Chapter 2. Synthesis of Pillar[n]arenes. <i>Monographs in Supramolecular Chemistry</i> , 2015, , 23-43.	0.2	0
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1966	Chapter 1. Introduction: History and Development. Monographs in Supramolecular Chemistry, 2019, , 1-14.	0.2	1
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1971	Chapter 19. Cucurbit[<i>n</i>]uril-type Receptors: Influence of Building Block Exchange, Deletion, and Augmentation. Monographs in Supramolecular Chemistry, 2019, , 505-526.	0.2	0
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1973	Hybrid Supramolecular Assemblies of Cucurbit[<i>n</i>]uril-supported Metal and Other Inorganic Nanoparticles. RSC Smart Materials, 2019, , 95-119.	0.1	2
1974	Fabrications and Applications of Cucurbit[8]uril-Based Supramolecular Polymer. , 2019, , 1-40.		0
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1993	Highly compressible glass-like supramolecular polymer networks. Nature Materials, 2022, 21, 103-109.	13.3	117
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1996	Cucurbit[8]uril-Assisted Nucleophilic Reaction: A Unique Supramolecular Approach for Cyanide Detection and Removal from Aqueous Solution. ACS Applied Materials & Interfaces, 2021, 13, 55463-55469.	4.0	13
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1998	On-off-on fluorescence detection for biomolecules by a fluorescent cage through host-guest complexation in water. Chinese Chemical Letters, 2022, 33, 2459-2463.	4.8	27
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2000	Electron transfer photochromism of solid-state supramolecules constructed by cucurbit[<i>n</i>]uril (<i>n</i> = 5-8) and 1-(4-carboxybenzyl)-4-[2-(4-pyridyl)-vinyl]-pyridinium chloride. New Journal of Chemistry, 2021, 45, 22249-22254.	1.4	7

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2004	Immuno-affinitive supramolecular magnetic nanoparticles incorporating cucurbit[8]uril-mediated ternary host-guest complexation structures for high-efficient small extracellular vesicle enrichment. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 462-471.	5.0	8
2005	ESIPT-active hydroxybenzothiazole-picolinium@CB[7]-HAp NPs based supramolecular sensing assembly for spermine, spermidine and cadaverine: Application in monitoring cancer biomarkers and food spoilage. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113770.	2.0	11
2006	A study on the coordination of cyclohexanocucurbit[6]uril with copper, zinc, and magnesium ions. <i>Green Processing and Synthesis</i> , 2021, 10, 835-841.	1.3	1
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2008	Preparation and recognition property of an acyclic cucurbit[n]uril dimer. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 0, , 1.	0.9	1
2009	Supramolecular CRISPR-OFF switches with host “guest chemistry. <i>Nucleic Acids Research</i> , 2022, 50, 1241-1255.	6.5	6
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2014	Cobalt Nanocluster-Decorated N-Rich Hierarchical Carbon Architectures Efficiently Catalyze Oxygen Reduction and Hydrogen Evolution Reactions. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 2001-2009.	3.2	8
2015	Efficient Intermolecular Charge Transport in “Stacked Pyridinium Dimers Using Cucurbit[8]uril Supramolecular Complexes. <i>Journal of the American Chemical Society</i> , 2022, 144, 3162-3173.	6.6	24
2016	Supramolecular self-assembly based on Cucurbit[8]urils with sulfanilamide and sulfamethoxazole. <i>Journal of Chemical Sciences</i> , 2022, 134, 1.	0.7	2
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2018	Cucurbiturils mimicked by low polarizability solvents with pre-formed cavities: an empirical model to predict hydrocarbon selectivity. <i>Chemical Science</i> , 2022, 13, 4388-4396.	3.7	5

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2019	Complexation of trivalent metal cations (Al ³⁺ , Ga ³⁺ , In ³⁺), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 governing the host-guest recognition. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6274-6281.	1.3	4
2020	Controllable synthesis of Co nanoparticles with the assistance of cucurbit[6]uril and its efficient photoelectrochemical catalysis in water splitting on a g-C ₃ N ₄ photoanode. <i>New Journal of Chemistry</i> , 2022, 46, 6738-6746.	1.4	3
2021	A combined crystallography and DFT study on ring-shaped Cucurbit[<i>n</i>]urils: structures, surface character, and host-guest recognition. <i>RSC Advances</i> , 2022, 12, 10014-10019.	1.7	4
2022	Crystal structure of a hexacationic Ag(I)-pillarplex-dodecyl-diammonium pseudo-rotaxane as terephthalate salt. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2022, 237, 167-177.	0.4	1
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2024	Mechanisms of Efficient Desalination by a Two-Dimensional Porous Nanosheet Prepared via Bottom-Up Assembly of Cucurbit[6]urils. <i>Membranes</i> , 2022, 12, 252.	1.4	1
2025	Voltage-Gated Membranes Incorporating Cucurbit[<i>n</i>]uril Molecular Containers for Molecular Nanofiltration. <i>Journal of the American Chemical Society</i> , 2022, 144, 6483-6492.	6.6	49
2026	Au/Boron organic frameworks for efficient removal and degradation of azo dye pollutants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 646, 128884.	2.3	6
2027	Circular Dichroism Based Chirality Sensing with Supramolecular Host-Guest Chemistry. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	29
2028	Cucurbit[8]uril-Based Potentiometric Sensor Coupled to HPLC for Determination of Tetracycline Residues in Milk Samples. <i>Chemosensors</i> , 2022, 10, 98.	1.8	2
2029	The Construction of Cucurbit[7]uril-Based Supramolecular Nanomedicine for Glioma Therapy. <i>Frontiers in Chemistry</i> , 2022, 10, 867815.	1.8	3
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2031	Circular Dichroism Based Chirality Sensing with Supramolecular Host-Guest Chemistry. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
2032	Study on geometry and chemical activity of twisted cucurbit[13]uril based on density functional theory. <i>Chemical Papers</i> , 0, , 1.	1.0	0
2033	Assembly and Applications of Macrocyclic-Confinement-Derived Supramolecular Organic Luminescent Emissions from Cucurbiturils. <i>Chemical Reviews</i> , 2022, 122, 9032-9077.	23.0	157
2034	Lanthanides Singing the Blues: Their Fascinating Role in the Assembly of Gigantic Molybdenum Blue Wheels. <i>ACS Nanoscience Au</i> , 2022, 2, 179-197.	2.0	6
2035	When Molecules Meet in Water-Recent Contributions of Supramolecular Chemistry to the Understanding of Molecular Recognition Processes in Water. <i>ChemistryOpen</i> , 2022, 11, e202200028.	0.9	15
2036	Host-Guest chemistry based on solid-state pillar[<i>n</i>]arenes. <i>Coordination Chemistry Reviews</i> , 2022, 462, 214503.	9.5	67

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2040	Synthesis of Glycoluril using Urea Phosphate. <i>Russian Journal of Organic Chemistry</i> , 2021, 57, 1988-1992.	0.3	2
2041	Hydrophilic Tetraphenylethene-Based Tetracationic Cyclophanes: NADPH Recognition and Cell Imaging With Fluorescent Switch. <i>Frontiers in Chemistry</i> , 2021, 9, 817720.	1.8	4
2042	Fine-tuning macrocycle cavity to selectively bind guests in water for near-infrared photothermal conversion. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2902-2909.	2.3	6
2043	Noncovalently bound and mechanically interlocked systems using pillar[n]arenes. <i>Chemical Society Reviews</i> , 2022, 51, 3648-3687.	18.7	59
2044	Cucurbit[7]uril recognition of glucosamine anomers in water. <i>Journal of Molecular Liquids</i> , 2022, 358, 119178.	2.3	5
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2046	Detection of heterocyclic amine (PhIP) by fluorescently labelled cucurbit[7]uril. <i>Analyst</i> , 2022, 147, 2477-2483.	1.7	1
2047	Noninvasive and Individual-Centered Monitoring of Uric Acid for Precaution of Hyperuricemia via Optical Supramolecular Sensing. <i>Advanced Science</i> , 2022, 9, e2104463.	5.6	15
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2053	The Role of Packing, Dispersion, Electrostatics, and Solvation in High-Affinity Complexes of Cucurbit[n]urils with Uncharged Polar Guests. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	15
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2067	Cucurbit[7]uril Macrocyclic Sensors for Optical Fingerprinting: Predicting Protein Structural Changes to Identifying Disease-Specific Amyloid Assemblies. <i>Journal of the American Chemical Society</i> , 2022, 144, 14363-14379.	6.6	19
2068	Hierarchically structured flower-like Ru nanoparticles-cucurbit[6]uril/multiwalled carbon nanotubes as efficient pH-universal hydrogen evolution electrocatalyst. <i>Chinese Chemical Letters</i> , 2023, 34, 107717.	4.8	2
2069	Anion Binding Based on Hg ₃ Anticrowns as Multidentate Lewis Acidic Hosts. <i>Inorganic Chemistry</i> , 2022, 61, 12526-12533.	1.9	1
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2081	CB[10]-driven self-assembly of a homotrimer from a symmetric organic dye: tunable multicolor fluorescence and higher solid-state stability than that of a CB[8]-included homodimer. <i>Organic Chemistry Frontiers</i> , 2022, 9, 6281-6289.	2.3	7
2082	Supramolecular Self-assembly of Symmetric Tetramethyl Cucurbit[6]uril and Catechol. <i>Results in Chemistry</i> , 2022, 4, 100510.	0.9	0
2083	Surface-active site engineering: Synergy of photo- and supermolecular catalysis in hydrogen transfer enables biomass upgrading and H ₂ evolution. <i>Chemical Engineering Journal</i> , 2023, 452, 139477.	6.6	22
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2087	Supramolecular hybrid hydrogels as rapidly on-demand dissoluble, self-healing, and biocompatible burn dressings. <i>Bioactive Materials</i> , 2023, 25, 415-429.	8.6	10
2088	The Contributions of Supramolecular Kinetics to Dynamics of Supramolecular Polymers. <i>ChemPlusChem</i> , 0, , .	1.3	0
2089	The Story of the Little Blue Box: A Tribute to Siegfried Häring. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
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2099	Aqueous-phase tunable multi-color luminescent supramolecular assemblies based on cucurbit[10]uril-enhanced intermolecular charge-transfer interactions. <i>Organic Chemistry Frontiers</i> , 2022, , .	2.3	4
2100	A highly selective supramolecular fluorescent probe for detection of Au ³⁺ based on supramolecular complex of pillar[5]arene with 3,3'-dihydroxybenzidine. <i>Journal of Molecular Liquids</i> , 2023, 370, 121018.	2.3	6
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2105	Recent Photosensitizer Developments, Delivery Strategies and Combination-based Approaches for Photodynamic Therapy. <i>Photochemistry and Photobiology</i> , 2023, 99, 469-497.	1.3	6
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