Julius Rebek Jr

List of Publications by Year
in descending order

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210 papers	14,059 citations	23500 58 h-index	22764 112 g-index
228 all docs	228 docs citations	228 times ranked	6804 citing authors

#	Article	IF	Citations
1	Molecular Encapsulation. Angewandte Chemie - International Edition, 2002, 41, 1488-1508.	7.2	859
2	The 55 % Solution: A Formula for Molecular Recognition in the Liquid State. Chemistry - A European Journal, 1998, 4, 1016-1022.	1.7	793
3	Acceleration of a Dielsâ€“Alder reaction by a self-assembled molecular capsule. Nature, 1997, 385, 50-52.	13.7	580
4	Simultaneous Encapsulation: Molecules Held at Close Range. Angewandte Chemie - International Edition, 2005, 44, 2068-2078.	7.2	509
5	Pairwise selection of guests in a cylindrical molecular capsule of nanometre dimensions. Nature, 1998, 394, 764-766.	13.7	446
6	Structure and binding properties of water-soluble cavitands and capsules. Chemical Society Reviews, 2007, 36, 93-104.	18.7	385
7	Hostâ€“guest chemistry of calixarene capsules. Chemical Communications, 2000, , 637-643.	2.2	377
8	Reversible Encapsulation and Its Consequences in Solution. Accounts of Chemical Research, 1999, 32, 278-286.	7.6	335
9	Molecular Behavior in Small Spaces. Accounts of Chemical Research, 2009, 42, 1660-1668.	7.6	334
10	A Synthetic Cavity Assembles Through Self-Complementary Hydrogen Bonds. Angewandte Chemie International Edition in English, 1993, 32, 1699-1701.	4.4	324
11	Self-Assembled Molecular Capsule Catalyzes a Dielsâ^'Alder Reaction. Journal of the American Chemical Society, 1998, 120, 7389-7390.	6.6	254
12	Entropically driven binding in a self-assembling molecular capsule. Nature, 1996, 382, 239-241.	13.7	226
13	Helical Conformation of Alkanes in a Hydrophobic Cavitand. Science, 2003, 301, 1219-1220.	6.0	217
14	Selectivity in an Encapsulated Cycloaddition Reaction. Organic Letters, 2002, 4, 327-329.	2.4	212
15	Chiral Spaces: Dissymmetric Capsules Through Self-Assembly. Science, 1998, 279, 1021-1023.	6.0	204
16	More Chemistry in Small Spaces. Accounts of Chemical Research, 2013, 46, 990-999.	7.6	195
17	Dielsâ^'Alder Reactions through Reversible Encapsulation. Journal of the American Chemical Society, 1998, 120, 3650-3656.	6.6	176
18	The ins and outs of molecular encapsulation. Organic and Biomolecular Chemistry, 2004, 2, 3051.	1.5	174

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19	Chemistry and Catalysis in Functional Cavitands. Chemistry and Biology, 2009, 16, 255-264.	6.2	170
20	Recent advances in hydrogen-bonded hexameric encapsulation complexes. Chemical Communications, 2011, 47, 5368-5375.	2.2	166
21	Deepening Cavitands. European Journal of Organic Chemistry, 1999, 1999, 1991-2005.	1.2	164
22	Reversible Encapsulation of Guest Molecules in a Calixarene Dimer. Angewandte Chemie International Edition in English, 1996, 35, 1326-1329.	4.4	161
23	Functional cavitands: Chemical reactivity in structured environments. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10777-10782.	3.3	153
24	Chiral Capsules:Â Asymmetric Binding in Calixarene-Based Dimers. Journal of the American Chemical Society, 1997, 119, 12671-12672.	6.6	149
25	Light-Switchable Catalysis in Synthetic Receptors. Angewandte Chemie International Edition in English, 1995, 34, 446-448.	4.4	133
26	Molecular containers. Chemical Society Reviews, 2015, 44, 392-393.	18.7	132
27	Detection and Mechanistic Studies of Multicomponent Assembly by Fluorescence Resonance Energy Transfer. Journal of the American Chemical Society, 2000, 122, 7876-7882.	6.6	124
28	Reactions of Folded Molecules in Water. Accounts of Chemical Research, 2018, 51, 3031-3040.	7.6	120
29	Deeper Cavitands. Journal of Organic Chemistry, 1999, 64, 4555-4559.	1.7	115
30	Kinetically Stable Complexes in Water:Â The Role of Hydration and Hydrophobicity. Journal of the American Chemical Society, 2004, 126, 2870-2876.	6.6	115
31	Hydrogen-bonded capsules in polar, protic solvents. Chemical Communications, 2001, , 2374-2375.	2.2	112
32	Soft templates in encapsulation complexes. Chemical Society Reviews, 2015, 44, 490-499.	18.7	110
33	Bildung eines Hohlraums durch Dimerisierung selbstkomplementÃrer MolekÃ¼le Ã¼ber WasserstoffbrÃ¼ckenbindungen. Angewandte Chemie, 1993, 105, 1820-1821.	1.6	109
34	Molecular Recognition within a Self-Assembled Cylindrical Host. Angewandte Chemie - International Edition, 1999, 38, 1136-1139.	7.2	107
35	Reversible encapsulation of multiple, neutral guests in hexameric resorcinarene hosts. Chemical Communications, 2001, , 2424-2425.	2.2	104
36	Switchable Catalysis with a Lightâ€Responsive Cavitand. Angewandte Chemie - International Edition, 2011, 50, 9400-9403.	7.2	104

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37	Encapsulation of Ionâ^'Molecule Complexes:â€‰ Second-Sphere Supramolecular Chemistry. Journal of the American Chemical Society, 1999, 121, 7455-7456.	6.6	101
38	Amplification by compartmentalization. Nature, 2002, 415, 385-386.	13.7	100
39	â€œFlexiballâ€•Toolkit:Â A Modular Approach to Self-Assembling Capsules. Journal of the American Chemical Society, 2001, 123, 11519-11533.	6.6	96
40	Synapse-specific IL-1 receptor subunit reconfiguration augments vulnerability to IL-1Î² in the aged hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5078-87.	3.3	95
41	Hydrogen-Bonded Capsules in Water. Journal of the American Chemical Society, 2013, 135, 18064-18066.	6.6	87
42	A Deep Cavitand Templates Lactam Formation in Water. Journal of the American Chemical Society, 2015, 137, 14582-14585.	6.6	87
43	Hierarchy of Order in Liquid Crystalline Polycaps. Angewandte Chemie - International Edition, 1999, 38, 2603-2606.	7.2	86
44	Amplified Halogen Bonding in a Small Space. Journal of the American Chemical Society, 2013, 135, 13672-13675.	6.6	85
45	Synthesis and Characterization of a Unimolecular Capsule. Angewandte Chemie - International Edition, 1999, 38, 1640-1644.	7.2	84
46	Contortions of encapsulated alkyl groups. Chemical Communications, 2007, , 2777.	2.2	82
47	A Solution-Phase Screening Procedure for the Isolation of Active Compounds from a Library of Molecules. Angewandte Chemie International Edition in English, 1994, 33, 2061-2064.	4.4	77
48	Reaction of Carboxylic Acids and Isonitriles in Small Spaces. Journal of the American Chemical Society, 2008, 130, 7810-7811.	6.6	74
49	Alkyl Groups Fold to Fit within a Water-Soluble Cavitand. Journal of the American Chemical Society, 2014, 136, 5264-5266.	6.6	70
50	A Synthetic Receptor for Cyclic Adenosine Monophosphate. Angewandte Chemie International Edition in English, 1992, 31, 61-63.	4.4	65
51	â€œDeep-Cavityâ€•Resorcinarenes Dimerize through Hydrogen Bonding and Self-Inclusion. Journal of the American Chemical Society, 1998, 120, 4977-4981.	6.6	65
52	A Reversible Reaction Inside a Self-Assembled Capsule. Journal of the American Chemical Society, 2006, 128, 9308-9309.	6.6	65
53	Selective Guest Exchange in Encapsulation Complexes Using Light of Different Wavelenghts. Angewandte Chemie - International Edition, 2012, 51, 3207-3210.	7.2	65
54	Kinetically Stable Caviplexes in Water. Journal of the American Chemical Society, 1999, 121, 11253-11254.	6.6	64

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55	Ring Inversion Dynamics of Encapsulated Cyclohexane. Journal of the American Chemical Society, 1997, 119, 11701-11702.	6.6	62
56	Chiral Capsules. 1. Softballs with Asymmetric Surfaces Bind Camphor Derivatives. Journal of the American Chemical Society, 1998, 120, 66-69.	6.6	61
57	Cavitand templated catalysis of acetylcholine. Chemical Communications, 2006, , 753.	2.2	59
58	Molecules in Confined Spaces: Reactivities and Possibilities in Cavitands. CheM, 2020, 6, 1265-1274.	5.8	59
59	Macrocyclization of Folded Diamines in Cavitands. Journal of the American Chemical Society, 2016, 138, 10846-10848.	6.6	57
60	Synthesis and Assembly of Self-Complementary Cavitands. Journal of the American Chemical Society, 2000, 122, 4573-4582.	6.6	55
61	Cavitands as Reaction Vessels and Blocking Groups for Selective Reactions in Water. Angewandte Chemie - International Edition, 2016, 55, 8290-8293.	7.2	55
62	Cavitands as Chaperones for Monofunctional and Ring-Forming Reactions in Water. Journal of the American Chemical Society, 2016, 138, 7512-7515.	6.6	55
63	Chalcogen Bonding and Hydrophobic Effects Force Molecules into Small Spaces. Journal of the American Chemical Society, 2020, 142, 5876-5883.	6.6	54
64	A light controlled cavitand wall regulates guest binding. Chemical Communications, 2011, 47, 656-658.	2.2	51
65	Fluorescence resonance energy transfer across a mechanical bond of a rotaxane. Chemical Communications, 2005, , 4604.	2.2	50
66	New Molecular Vessels:Â Synthesis and Chiroselective Recognition. Journal of the American Chemical Society, 2000, 122, 9628-9630.	6.6	49
67	Emergent Conformational Preferences of a Self-Assembling Small Molecule:Â Structure and Dynamics in a Tetrameric Capsule. Journal of the American Chemical Society, 2000, 122, 10991-10996.	6.6	47
68	Resorcinarene assemblies as synthetic receptors. Chemical Communications, 2005, , 857.	2.2	46
69	Normal hydrocarbons tumble rapidly in a deep, water-soluble cavitand. Chemical Communications, 2006, , 509-510.	2.2	44
70	Synthesis of an Oxazoleâ€“Pyrroleâ€“Piperazine Scaffold as an Î±â€Helix Mimetic. European Journal of Organic Chemistry, 2008, 2008, 1673-1676.	1.2	44
71	Reciprocal Template Effects in a Replication Cycle. Angewandte Chemie International Edition in English, 1994, 33, 1579-1581.	4.4	42
72	Molecular Assembly and Encapsulation Directed by Hydrogen-Bonding Preferences and the Filling of Space. , 1998, 281, 1842-1845.		42

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73	A deep cavitand catalyzes the Dielsâ€“Alder reaction of bound maleimides. Organic and Biomolecular Chemistry, 2007, 5, 3631.	1.5	42
74	Theoretical Study of Hydrogen Bonding in Homodimers and Heterodimers of Amide, Boronic Acid, and Carboxylic Acid, Free and in Encapsulation Complexes. Journal of the American Chemical Society, 2011, 133, 16977-16985.	6.6	42
75	Photoschaltbare Katalyse mit synthetischen Rezeptoren. Angewandte Chemie, 1995, 107, 503-505.	1.6	41
76	Self-Assembling Sieves. Angewandte Chemie - International Edition, 1998, 37, 3410-3413.	7.2	40
77	Conformations and Fluorescence of Encapsulated Stilbene. Journal of the American Chemical Society, 2012, 134, 4346-4354.	6.6	40
78	A transparent photo-responsive organogel based on a glycoluril supergelator. Chemical Communications, 2011, 47, 7341.	2.2	39
79	Solvent Controls Synthesis and Properties of Supramolecular Structures. Chemistry - A European Journal, 1998, 4, 1449-1457.	1.7	38
80	Introduction to the Molecular Recognition and Self-Assembly Special Feature. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10423-10424.	3.3	37
81	Encapsulation of the uranyl dication. Chemical Science, 2010, 1, 43.	3.7	37
82	Preparative scale and convenient synthesis of a water-soluble, deep cavitand. Nature Protocols, 2016, 11, 1371-1387.	5.5	37
83	Complexation of alkyl groups and ghrelin in a deep, water-soluble cavitand. Chemical Communications, 2014, 50, 4895-4897.	2.2	36
84	Cavitands as Containers for Î±,Ï‰â€Dienes and Chaperones for Olefin Metathesis. Angewandte Chemie - International Edition, 2018, 57, 15091-15095.	7.2	36
85	Cyclizations catalyzed inside a hexameric resorcinarene capsule. Chemical Communications, 2019, 55, 3573-3577.	2.2	36
86	Selective Macrocycle Formation in Cavitands. Journal of the American Chemical Society, 2021, 143, 2190-2193.	6.6	36
87	Synthesis and recognition studies with a ditopic, photoswitchable deep cavitand. Chemical Communications, 2013, 49, 4842.	2.2	35
88	Water-soluble cavitands promote hydrolyses of long-chain diesters. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9199-9203.	3.3	35
89	Quantum Chemical Modeling of Cycloaddition Reaction in a Self-Assembled Capsule. Journal of the American Chemical Society, 2017, 139, 15494-15503.	6.6	35
90	Deep cavitand receptors with pH-independent water solubility. Chemical Communications, 2010, 46, 8630.	2.2	34

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91	Selfâ€Assembled Capsules of Unprecedented Shapes. Angewandte Chemie - International Edition, 2011, 50, 12003-12007.	7.2	34
92	New Chiral Auxiliaries for Enolate Alkylations. Angewandte Chemie International Edition in English, 1990, 29, 555-556.	4.4	33
93	Supramolecular Isomerism in Caviplexes. Angewandte Chemie - International Edition, 1999, 38, 2600-2602.	7.2	33
94	A Self-Folding Metallocavitand. Journal of the American Chemical Society, 2001, 123, 9929-9934.	6.6	33
95	Selective recognition and extraction of the uranyl ion from aqueous solutions with a recyclable chelating resin. Chemical Science, 2013, 4, 3601.	3.7	33
96	Interactions between a surfactant and cavitand in water blur distinctions between host and guest. Chemical Communications, 2004, , 58.	2.2	32
97	Photophysics Applied to Cavitands and Capsules. Israel Journal of Chemistry, 2011, 51, 700-709.	1.0	31
98	Passive Template Effects and Active Acidâ€Base Involvement in Catalysis of Organic Reactions. Chemistry - A European Journal, 1995, 1, 183-192.	1.7	29
99	A Cavitandâ”Porphyrin Hybrid. Organic Letters, 2000, 2, 1995-1998.	2.4	29
100	Recognition with metallo cavitands. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17648-17653.	3.3	28
101	Ein synthetischer Rezeptor fÃ¼r cycloâ€Adenosinmonophosphat. Angewandte Chemie, 1992, 104, 58-60.	1.6	27
102	Deep cavitand vesicles â€“ multicompartmental hosts. Chemical Communications, 2012, 48, 9251.	2.2	27
103	Chemical Selection and Self-Assembly in a Cyclization Reaction. Angewandte Chemie International Edition in English, 1997, 36, 846-848.	4.4	26
104	Folded alkyl chains in water-soluble capsules and cavitands. Organic and Biomolecular Chemistry, 2014, 12, 6561-6563.	1.5	26
105	Resorcin[6]arene as a building block for tubular crystalline state architectures. Chemical Communications, 2002, , 2612.	2.2	25
106	A cavitand stabilizes the Meisenheimer complex of SNAr reactions. Chemical Communications, 2007, , 1605.	2.2	25
107	Complexes within complexes: hydrogen bonding in capsules. Chemical Science, 2012, 3, 3022.	3.7	25
108	Unusual orientation and reactivity of alkyl halides in water-soluble cavitands. Chemical Science, 2014, 5, 4382-4387.	3.7	25

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109	Convergent functional groups XIV. Synthesis and binding studies of new molecular clefts for recognition and catalysis. Recueil Des Travaux Chimiques Des Pays-Bas, 1993, 112, 330-334.	0.0	24
110	Radical Reactions in Cavitands Unveil the Effects of Affinity on Dynamic Supramolecular Systems. Journal of the American Chemical Society, 2020, 142, 2396-2403.	6.6	24
111	Recognition and sequestration of Ï‰-fatty acids by a cavitand receptor. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11181-11186.	3.3	23
112	Dimeric capsules self-assembled through halogen and chalcogen bonding. Chemical Communications, 2021, 57, 1543-1549.	2.2	23
113	Rigidified Cavitand Hosts in Water: Bent Guests, Shape Selectivity, and Encapsulation. Journal of the American Chemical Society, 2021, 143, 19517-19524.	6.6	22
114	Extended Cavitands of Nanoscale Dimensions. European Journal of Organic Chemistry, 2005, 2005, 3633-3636.	1.2	21
115	Binding properties of cavitands in aqueous solutionâ€”the influence of charge on guest selectivity. Chemical Communications, 2005, , 6044.	2.2	21
116	Binding and reactivity in deep cavitands based on resorcin[4]arene. Green Synthesis and Catalysis, 2021, 2, 123-130.	3.7	21
117	Constellational diastereomers in encapsulation complexes. Chemical Communications, 2004, , 1690.	2.2	20
118	A synthetic receptor for phosphocholine esters. Chemical Communications, 2006, , 1280.	2.2	20
119	Synthesis and Encapsulation Behavior of New Redox-Active Dimeric Assemblies. Angewandte Chemie International Edition in English, 1996, 35, 1225-1228.	4.4	19
120	Lower rim mono-functionalization of resorcinarenes. Chemical Communications, 2005, , 4164.	2.2	19
121	Theoretical study of free and encapsulated carboxylic acid and amide dimers. International Journal of Quantum Chemistry, 2013, 113, 734-739.	1.0	19
122	Uranyl ion coordination with rigid aromatic carboxylates and structural characterization of their complexes. Chemical Communications, 2013, 49, 6379.	2.2	19
123	Template Effects in New Self-Replicating Molecules. Angewandte Chemie International Edition in English, 1994, 33, 1577-1579.	4.4	18
124	New supramolecular organization for a glycoluril: chiral hydrogen-bonded ribbons. Chemical Communications, 2002, , 2228.	2.2	18
125	Coencapsulation of three different guests in a cylindrical host. Chemical Communications, 2004, , 1802.	2.2	18
126	Preferred dimerization of tetra-tolyl- and tetra-tosylurea derivatives of flexible and rigidified calix[4]arenes. Organic and Biomolecular Chemistry, 2004, 2, 3080-3084.	1.5	18

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127	Diastereoselection of chiral acids in a cylindrical capsule. Chemical Communications, 2005, , 3667.	2.2	18
128	Self-folding cavitands: structural characterization of the induced-fit model. Chemical Communications, 2010, 46, 1637.	2.2	18
129	Capsules and Cavitands: Synthetic Catalysts of Nanometric Dimension. , 2011, , 105-168.		18
130	Water and the Cationâ˜Ï€ Interaction. Journal of the American Chemical Society, 2021, 143, 12397-12403.	6.6	18
131	Synthetic autocatalysts show organocatalysis of other reactions. Chemical Communications, 2009, , 7324.	2.2	17
132	Covalent capsules: reversible binding in a chiral space. Chemical Science, 2013, 4, 1212.	3.7	17
133	Mono epoxidation of Î±,Ï‰-dienes using NBS in a water-soluble cavitand. Organic Chemistry Frontiers, 2019, 6, 3220-3223.	2.3	17
134	Cooperative Interactions in Molecular Recognitionâ€“the Binding of Diamines to a Tetracarboxylic Acid. Angewandte Chemie International Edition in English, 1990, 29, 1148-1150.	4.4	16
135	The inner solvation of a cylindrical capsule. Chemical Communications, 2002, , 2326.	2.2	16
136	Some Got Away, but Others Didn't.... Journal of Organic Chemistry, 2004, 69, 2651-2660.	1.7	16
137	Cavitands as Reaction Vessels and Blocking Groups for Selective Reactions in Water. Angewandte Chemie, 2016, 128, 8430-8433.	1.6	16
138	Mixed Explicitâ€“Implicit Solvation Approach for Modeling of Alkane Complexation in Water-Soluble Self-Assembled Capsules. Journal of the American Chemical Society, 2018, 140, 12527-12537.	6.6	15
139	Binding orientation and reactivity of alkyl Î±,Ï‰-dibromides in water-soluble cavitands. Organic and Biomolecular Chemistry, 2019, 17, 5279-5282.	1.5	15
140	Binding selectivity and separation ofp-functionalized toluenes with a metallo-cavitand in water. Chemical Communications, 2020, 56, 6945-6948.	2.2	15
141	Molecular recognition and self-replication. Journal of Molecular Recognition, 1992, 5, 83-88.	1.1	14
142	Glycoluril ribbons tethered by complementary hydrogen bonds. Chemical Communications, 2003, , 1638-1639.	2.2	14
143	A synthetic receptor for hydrogen-bonding to fluorines of trifluoroborates. Chemical Communications, 2009, , 5692.	2.2	14
144	Deep cavitands featuring functional acetal-based walls. Chemical Communications, 2012, 48, 11850.	2.2	14

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145	Structure and Selectivity of a Small Dimeric Encapsulating Assembly. Chemistry - A European Journal, 1996, 2, 989-991.	1.7	13
146	Deconstruction of Capsules Using Chiral Spacers. Angewandte Chemie - International Edition, 2011, 50, 9150-9153.	7.2	13
147	Reactivity of N-nitrosoamides in confined spaces. Tetrahedron Letters, 2011, 52, 2100-2103.	0.7	13
148	Reversible switching between self-assembled homomeric and hybrid capsules. Chemical Communications, 2013, 49, 2127.	2.2	13
149	Screeningverfahren in LÃ¶sung zur Isolierung biologisch aktiver Verbindungen aus einer MolekÃ¼lbibliothek. Angewandte Chemie, 1994, 106, 2162-2164.	1.6	12
150	PseudokugelfÃ¶rmige WirtmolekÃ¼le: Synthese, Dimerisierung und â€žKeimbildungseffekteâ€œ. Angewandte Chemie, 1995, 107, 2031-2033.	1.6	12
151	Coupling of molecular motions through non-bonding interactions:13C NMR spin-lattice relaxation studies of a host-guest complex. Magnetic Resonance in Chemistry, 1998, 36, 663-669.	1.1	12
152	Kooperative Wechselwirkungen bei der molekularen Erkennung â€” die Bindung von Diaminen an eine TetracarbonsÃ‌ure. Angewandte Chemie, 1990, 102, 1191-1192.	1.6	11
153	Relative hydrophilicities of cis and trans formamides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19815-19820.	3.3	11
154	Cavitands: capture of cycloalkyl derivatives and 2-methylisoborneol (2-MIB) in water. Supramolecular Chemistry, 2019, 31, 108-113.	1.5	11
155	Hydration of isocyanates in an expandable, self-assembled capsule. Chemical Communications, 2012, 48, 8508.	2.2	10
156	Robust hydrogenâ€bonded capsules with stability in competitive media. Journal of Physical Organic Chemistry, 2015, 28, 187-190.	0.9	10
157	Structureâ€Based Design and Synthesis of a Small Molecule that Exhibits Antiâ€inflammatory Activity by Inhibition of MyD88â€mediated Signaling to Bacterial Toxin Exposure. Chemical Biology and Drug Design, 2015, 86, 200-209.	1.5	10
158	Binding of alkyl halides in water-soluble cavitands with urea rims. New Journal of Chemistry, 2018, 42, 9945-9948.	1.4	10
159	Mechanism(s) of thermal decomposition of N-Nitrosoamides: A density functional theory study. Tetrahedron, 2019, 75, 929-935.	1.0	10
160	Kinetic Stabilities and Exchange Dynamics of Waterâ€Soluble Bisâ€Formamide Caviplexes Studied Using Diffusionâ€Ordered NMR Spectroscopy (DOSY). Chemistry - A European Journal, 2020, 26, 8220-8225.	1.7	10
161	Synthesis and Self-Assembly of the "Tennis Ball" Dimer and Subsequent Encapsulation of Methane. An Advanced Organic Chemistry Laboratory Experiment. Journal of Chemical Education, 2001, 78, 1519.	1.1	9
162	Control of nanospaces with molecular devices. Supramolecular Chemistry, 2011, 23, 37-41.	1.5	9

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163	1H NMR detection of small molecules in human urine with a deep cavitand synthetic receptor. Analyst, The, 2013, 138, 1008.	1.7	9
164	Hydrophobic and Metal-Coordinated Confinement Effects Trigger Recognition and Selectivity. Journal of Organic Chemistry, 2021, 86, 8873-8881.	1.7	9
165	Reziproke Templateffekte in einem Replikationscyclus. Angewandte Chemie, 1994, 106, 1667-1669.	1.6	8
166	Metal directed assembly of ditopic containers and their complexes with alkylammonium salts. Chemical Communications, 2005, , 5530.	2.2	8
167	Effects of remote chiral centers on encapsulated molecules. New Journal of Chemistry, 2008, 32, 794.	1.4	8
168	Social Isomers of Picolines in a Small Space. Chemistry - A European Journal, 2013, 19, 17092-17096.	1.7	8
169	The effects of hexafluoroisopropanol on guest binding by water-soluble capsule and cavitand hosts. Chemical Communications, 2015, 51, 17604-17606.	2.2	8
170	Asymmetric binding of symmetric guests in a water-soluble cavitand. Supramolecular Chemistry, 2018, 30, 473-478.	1.5	8
171	Cavitands as Containers for Î±,Ï‰â€Dienes and Chaperones for Olefin Metathesis. Angewandte Chemie, 2018, 130, 15311-15315.	1.6	8
172	Recognition of hydrophilic molecules in deep cavitand hosts with water-mediated hydrogen bonds. Chemical Communications, 2021, 57, 8147-8150.	2.2	8
173	Metal coordination to a deep cavitand promotes binding selectivities in water. Chinese Chemical Letters, 2022, 33, 4908-4911.	4.8	8
174	Chemische Selektion und Selbstorganisation bei einer Cyclisierung. Angewandte Chemie, 1997, 109, 877-879.	1.6	7
175	A cavitand with a fluorous rim acts as an amine receptor. Chemical Communications, 2008, , 6291.	2.2	7
176	A Water-Soluble Cavitand Sequesters 2-Nonenal, the Odor Component of the Elderly. Heterocycles, 2017, 95, 127.	0.4	7
177	Tertiary Amide Rotation in a Nanoscale Host. European Journal of Organic Chemistry, 2007, 2007, 2722-2728.	1.2	6
178	Molecular Switching in Nanospaces. Journal of the Chinese Chemical Society, 2010, 57, 595-603.	0.8	6
179	An extended cavitand with an introverted carboxylic acid. Chemical Communications, 2010, 46, 2459.	2.2	6
180	The influence of imperfect walls on the guest binding properties of hydrogen-bonded capsules. Chemical Communications, 2015, 51, 15276-15279.	2.2	6

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181	Organic radical reactions confined to containers in supramolecular systems. Chemical Communications, 2022, 58, 1828-1833.	2.2	6
182	Chemical Encapsulation in Self-Assembling Capsules. , 2005, , 199-210.		5
183	Charge transfer and encapsulation in a synthetic, self-assembled receptor. New Journal of Chemistry, 2007, 31, 631.	1.4	5
184	Unexpected consequences of methyl substitutions in supramolecular chemistry. Supramolecular Chemistry, 2013, 25, 574-580.	1.5	5
185	Encapsulation of monomers, homodimers and heterodimers of amides and carboxylic acids in three non-covalent assemblies. Structural Chemistry, 2015, 26, 1585-1601.	1.0	5
186	Modeling Decomposition of N-Nitrosoamides in a Self-Assembled Capsule. Journal of Organic Chemistry, 2019, 84, 7354-7361.	1.7	5
187	Aromaticity and Chemical Bonding of Chalcogenâ€Bonded Capsules Featuring Enhanced Magnetic Anisotropy. ChemPhysChem, 2020, 21, 2187-2195.	1.0	5
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