Julius Rebek Jr

List of Publications by Year
in descending order

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210 papers	14,059 citations	27035 58 h-index	25983 112 g-index
228 all docs	228 docs citations	228 times ranked	7624 citing authors

#	Article	IF	Citations
1	Organic radical reactions confined to containers in supramolecular systems. Chemical Communications, 2022, 58, 1828-1833.	2.2	6
2	Metal coordination to a deep cavitand promotes binding selectivities in water. Chinese Chemical Letters, 2022, 33, 4908-4911.	4.8	8
3	Binding and Assembly of a Benzotriazole Cavitand in Water. Angewandte Chemie - International Edition, 2022, 61, .	7.2	5
4	Recent Advances in the Applications of Waterâ€soluble Resorcinareneâ€based Deep Cavitands. ChemistryOpen, 2022, 11, .	0.9	5
5	Highly Selective Radical Monoreduction of Dihalides Confined to a Dynamic Supramolecular Host. Chemistry - A European Journal, 2021, 27, 3284-3287.	1.7	4
6	The role of electric field, peripheral chains, and magnetic effects on significant ¹H upfield shifts of the encapsulated molecules in chalcogen-bonded capsules. Physical Chemistry Chemical Physics, 2021, 23, 19647-19658.	1.3	4
7	Recognition of Hydrophilic Cyclic Compounds by a Water-Soluble Cavitand. Molecules, 2021, 26, 1922.	1.7	5
8	Binding and reactivity in deep cavitands based on resorcin[4]arene. Green Synthesis and Catalysis, 2021, 2, 123-130.	3.7	21
9	Shape Selectivity of a Metallo Cavitand Host Allows Separation of <scp>nâ€Alkanes</scp> from Isooctane. Chinese Journal of Chemistry, 2021, 39, 1498-1502.	2.6	3
10	Hydrophobic and Metal-Coordinated Confinement Effects Trigger Recognition and Selectivity. Journal of Organic Chemistry, 2021, 86, 8873-8881.	1.7	9
11	Water and the Cationâ^'Ï€ Interaction. Journal of the American Chemical Society, 2021, 143, 12397-12403.	6.6	18
12	Selective Macrocycle Formation in Cavitands. Journal of the American Chemical Society, 2021, 143, 2190-2193.	6.6	36
13	Recognition of hydrophilic molecules in deep cavitand hosts with water-mediated hydrogen bonds. Chemical Communications, 2021, 57, 8147-8150.	2.2	8
14	Dimeric capsules self-assembled through halogen and chalcogen bonding. Chemical Communications, 2021, 57, 1543-1549.	2.2	23
15	Rigidified Cavitand Hosts in Water: Bent Guests, Shape Selectivity, and Encapsulation. Journal of the American Chemical Society, 2021, 143, 19517-19524.	6.6	22
16	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
17	Aromaticity and Chemical Bonding of Chalcogenâ€Bonded Capsules Featuring Enhanced Magnetic Anisotropy. ChemPhysChem, 2020, 21, 2187-2195.	1.0	5
18	Modeling the Reaction of Carboxylic Acids and Isonitriles in a Selfâ€Assembled Capsule. Chemistry - A European Journal, 2020, 26, 10861-10870.	1.7	5

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19	Binding selectivity and separation ofp-functionalized toluenes with a metallo-cavitand in water. Chemical Communications, 2020, 56, 6945-6948.	2.2	15
20	Molecules in Confined Spaces: Reactivities and Possibilities in Cavitands. CheM, 2020, 6, 1265-1274.	5.8	59
21	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
22	Chalcogen Bonding and Hydrophobic Effects Force Molecules into Small Spaces. Journal of the American Chemical Society, 2020, 142, 5876-5883.	6.6	54
23	Confined molecules: experiment meets theory in small spaces. Quarterly Reviews of Biophysics, 2020, 53, e6.	2.4	5
24	Mono epoxidation of Î±,Ï‰-dienes using NBS in a water-soluble cavitand. Organic Chemistry Frontiers, 2019, 6, 3220-3223.	2.3	17
25	Recognition with metallo cavitands. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17648-17653.	3.3	28
26	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
27	Theoretical investigation on the binding of alkyl halides and cyclohexyl halides in water-soluble cavitands. Chemical Physics Letters, 2019, 728, 174-180.	1.2	4
28	Modeling Decomposition of N-Nitrosoamides in a Self-Assembled Capsule. Journal of Organic Chemistry, 2019, 84, 7354-7361.	1.7	5
29	Binding orientation and reactivity of alkyl Î±,Ï‰-dibromides in water-soluble cavitands. Organic and Biomolecular Chemistry, 2019, 17, 5279-5282.	1.5	15
30	Cyclizations catalyzed inside a hexameric resorcinarene capsule. Chemical Communications, 2019, 55, 3573-3577.	2.2	36
31	Cavitands: capture of cycloalkyl derivatives and 2-methylisoborneol (2-MIB) in water. Supramolecular Chemistry, 2019, 31, 108-113.	1.5	11
32	Mechanism(s) of thermal decomposition of N-Nitrosoamides: A density functional theory study. Tetrahedron, 2019, 75, 929-935.	1.0	10
33	Asymmetric binding of symmetric guests in a water-soluble cavitand. Supramolecular Chemistry, 2018, 30, 473-478.	1.5	8
34	Reactions of Folded Molecules in Water. Accounts of Chemical Research, 2018, 51, 3031-3040.	7.6	120
35	Cavitands as Containers for Î±,Ï‰â€Dienes and Chaperones for Olefin Metathesis. Angewandte Chemie - International Edition, 2018, 57, 15091-15095.	7.2	36
36	Cavitands as Containers for Î±,Ï‰â€Dienes and Chaperones for Olefin Metathesis. Angewandte Chemie, 2018, 130, 15311-15315.	1.6	8

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37	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
38	Binding of alkyl halides in water-soluble cavitands with urea rims. New Journal of Chemistry, 2018, 42, 9945-9948.	1.4	10
39	Rational design of peptide derivatives for inhibition of MyD88â€mediated tollâ€like receptor signaling in human peripheral blood mononuclear cells and epithelial cells exposed to Francisella tularensis. Chemical Biology and Drug Design, 2017, 90, 1190-1205.	1.5	4
40	Quantum Chemical Modeling of Cycloaddition Reaction in a Self-Assembled Capsule. Journal of the American Chemical Society, 2017, 139, 15494-15503.	6.6	35
41	A Water-Soluble Cavitand Sequesters 2-Nonenal, the Odor Component of the Elderly. Heterocycles, 2017, 95, 127.	0.4	7
42	Cavitands as Reaction Vessels and Blocking Groups for Selective Reactions in Water. Angewandte Chemie, 2016, 128, 8430-8433.	1.6	16
43	Cavitands as Reaction Vessels and Blocking Groups for Selective Reactions in Water. Angewandte Chemie - International Edition, 2016, 55, 8290-8293.	7.2	55
44	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
45	Macrocyclization of Folded Diamines in Cavitands. Journal of the American Chemical Society, 2016, 138, 10846-10848.	6.6	57
46	Preparative scale and convenient synthesis of a water-soluble, deep cavitand. Nature Protocols, 2016, 11, 1371-1387.	5.5	37
47	Cavitands as Chaperones for Monofunctional and Ring-Forming Reactions in Water. Journal of the American Chemical Society, 2016, 138, 7512-7515.	6.6	55
48	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
49	A Deep Cavitand Templates Lactam Formation in Water. Journal of the American Chemical Society, 2015, 137, 14582-14585.	6.6	87
50	Robust hydrogenâ€bonded capsules with stability in competitive media. Journal of Physical Organic Chemistry, 2015, 28, 187-190.	0.9	10
51	The effects of hexafluoroisopropanol on guest binding by water-soluble capsule and cavitand hosts. Chemical Communications, 2015, 51, 17604-17606.	2.2	8
52	The influence of imperfect walls on the guest binding properties of hydrogen-bonded capsules. Chemical Communications, 2015, 51, 15276-15279.	2.2	6
53	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
54	Reversible encapsulation in a covalent capsule. Chemical Physics Letters, 2015, 633, 99-104.	1.2	3

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55	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
56	Molecular containers. Chemical Society Reviews, 2015, 44, 392-393.	18.7	132
57	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
58	Soft templates in encapsulation complexes. Chemical Society Reviews, 2015, 44, 490-499.	18.7	110
59	Folded alkyl chains in water-soluble capsules and cavitands. Organic and Biomolecular Chemistry, 2014, 12, 6561-6563.	1.5	26
60	Complexation of alkyl groups and ghrelin in a deep, water-soluble cavitand. Chemical Communications, 2014, 50, 4895-4897.	2.2	36
61	Unusual orientation and reactivity of alkyl halides in water-soluble cavitands. Chemical Science, 2014, 5, 4382-4387.	3.7	25
62	The role of the hostâ€“guest interactions in the relative stability of compressed encapsulated homodimers and heterodimers of amides and carboxylic acids. Theoretical Chemistry Accounts, 2014, 133, 1.	0.5	3
63	Alkyl Groups Fold to Fit within a Water-Soluble Cavitand. Journal of the American Chemical Society, 2014, 136, 5264-5266.	6.6	70
64	More Chemistry in Small Spaces. Accounts of Chemical Research, 2013, 46, 990-999.	7.6	195
65	Theoretical study of free and encapsulated carboxylic acid and amide dimers. International Journal of Quantum Chemistry, 2013, 113, 734-739.	1.0	19
66	Reversible switching between self-assembled homomeric and hybrid capsules. Chemical Communications, 2013, 49, 2127.	2.2	13
67	Amplified Halogen Bonding in a Small Space. Journal of the American Chemical Society, 2013, 135, 13672-13675.	6.6	85
68	Hydrogen-Bonded Capsules in Water. Journal of the American Chemical Society, 2013, 135, 18064-18066.	6.6	87
69	1H NMR detection of small molecules in human urine with a deep cavitand synthetic receptor. Analyst, The, 2013, 138, 1008.	1.7	9
70	Uranyl ion coordination with rigid aromatic carboxylates and structural characterization of their complexes. Chemical Communications, 2013, 49, 6379.	2.2	19
71	Covalent capsules: reversible binding in a chiral space. Chemical Science, 2013, 4, 1212.	3.7	17
72	Selective recognition and extraction of the uranyl ion from aqueous solutions with a recyclable chelating resin. Chemical Science, 2013, 4, 3601.	3.7	33

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73	Synthesis and recognition studies with a ditopic, photoswitchable deep cavitand. Chemical Communications, 2013, 49, 4842.	2.2	35
74	Unexpected consequences of methyl substitutions in supramolecular chemistry. Supramolecular Chemistry, 2013, 25, 574-580.	1.5	5
75	Social Isomers of Picolines in a Small Space. Chemistry - A European Journal, 2013, 19, 17092-17096.	1.7	8
76	Deep cavitands featuring functional acetal-based walls. Chemical Communications, 2012, 48, 11850.	2.2	14
77	Conformations and Fluorescence of Encapsulated Stilbene. Journal of the American Chemical Society, 2012, 134, 4346-4354.	6.6	40
78	Complexes within complexes: hydrogen bonding in capsules. Chemical Science, 2012, 3, 3022.	3.7	25
79	Deep cavitand vesicles â€“ multicompartmental hosts. Chemical Communications, 2012, 48, 9251.	2.2	27
80	Selective Guest Exchange in Encapsulation Complexes Using Light of Different Wavelenghts. Angewandte Chemie - International Edition, 2012, 51, 3207-3210.	7.2	65
81	Hydration of isocyanates in an expandable, self-assembled capsule. Chemical Communications, 2012, 48, 8508.	2.2	10
82	A light controlled cavitand wall regulates guest binding. Chemical Communications, 2011, 47, 656-658.	2.2	51
83	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
84	Recent advances in hydrogen-bonded hexameric encapsulation complexes. Chemical Communications, 2011, 47, 5368-5375.	2.2	166
85	Control of nanospaces with molecular devices. Supramolecular Chemistry, 2011, 23, 37-41.	1.5	9
86	A transparent photo-responsive organogel based on a glycoluril supergelator. Chemical Communications, 2011, 47, 7341.	2.2	39
87	Capsules and Cavitands: Synthetic Catalysts of Nanometric Dimension. , 2011, , 105-168.		18
88	Photophysics Applied to Cavitands and Capsules. Israel Journal of Chemistry, 2011, 51, 700-709.	1.0	31
89	Titelbild: Self-Assembled Capsules of Unprecedented Shapes (Angew. Chem. 50/2011). Angewandte Chemie, 2011, 123, 12009-12009.	1.6	1
90	Selfâ€Assembled Capsules of Unprecedented Shapes. Angewandte Chemie - International Edition, 2011, 50, 12003-12007.	7.2	34

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91	Deconstruction of Capsules Using Chiral Spacers. Angewandte Chemie - International Edition, 2011, 50, 9150-9153.	7.2	13
92	Switchable Catalysis with a Lightâ€Responsive Cavitand. Angewandte Chemie - International Edition, 2011, 50, 9400-9403.	7.2	104
93	Cover Picture: Self-Assembled Capsules of Unprecedented Shapes (Angew. Chem. Int. Ed. 50/2011). Angewandte Chemie - International Edition, 2011, 50, 11805-11805.	7.2	2
94	Reactivity of N-nitrosoamides in confined spaces. Tetrahedron Letters, 2011, 52, 2100-2103.	0.7	13
95	Encapsulation of the uranyl dication. Chemical Science, 2010, 1, 43.	3.7	37
96	Self-folding cavitands: structural characterization of the induced-fit model. Chemical Communications, 2010, 46, 1637.	2.2	18
97	Molecular Switching in Nanospaces. Journal of the Chinese Chemical Society, 2010, 57, 595-603.	0.8	6
98	Deep cavitand receptors with pH-independent water solubility. Chemical Communications, 2010, 46, 8630.	2.2	34
99	An extended cavitand with an introverted carboxylic acid. Chemical Communications, 2010, 46, 2459.	2.2	6
100	Chemistry and Catalysis in Functional Cavitands. Chemistry and Biology, 2009, 16, 255-264.	6.2	170
101	Molecular Behavior in Small Spaces. Accounts of Chemical Research, 2009, 42, 1660-1668.	7.6	334
102	Synthetic autocatalysts show organocatalysis of other reactions. Chemical Communications, 2009, , 7324.	2.2	17
103	A synthetic receptor for hydrogen-bonding to fluorines of trifluoroborates. Chemical Communications, 2009, , 5692.	2.2	14
104	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
105	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
106	Reaction of Carboxylic Acids and Isonitriles in Small Spaces. Journal of the American Chemical Society, 2008, 130, 7810-7811.	6.6	74
107	Effects of remote chiral centers on encapsulated molecules. New Journal of Chemistry, 2008, 32, 794.	1.4	8
108	A cavitand with a fluorous rim acts as an amine receptor. Chemical Communications, 2008, , 6291.	2.2	7

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109	Structure and binding properties of water-soluble cavitands and capsules. Chemical Society Reviews, 2007, 36, 93-104.	18.7	385
110	Contortions of encapsulated alkyl groups. Chemical Communications, 2007, , 2777.	2.2	82
111	Charge transfer and encapsulation in a synthetic, self-assembled receptor. New Journal of Chemistry, 2007, 31, 631.	1.4	5
112	A cavitand stabilizes the Meisenheimer complex of SNAr reactions. Chemical Communications, 2007, , 1605.	2.2	25
113	A deep cavitand catalyzes the Dielsâ€“Alder reaction of bound maleimides. Organic and Biomolecular Chemistry, 2007, 5, 3631.	1.5	42
114	Tertiary Amide Rotation in a Nanoscale Host. European Journal of Organic Chemistry, 2007, 2007, 2722-2728.	1.2	6
115	Cavitand templated catalysis of acetylcholine. Chemical Communications, 2006, , 753.	2.2	59
116	A synthetic receptor for phosphocholine esters. Chemical Communications, 2006, , 1280.	2.2	20
117	Normal hydrocarbons tumble rapidly in a deep, water-soluble cavitand. Chemical Communications, 2006, , 509-510.	2.2	44
118	A Reversible Reaction Inside a Self-Assembled Capsule. Journal of the American Chemical Society, 2006, 128, 9308-9309.	6.6	65
119	Extended Cavitands of Nanoscale Dimensions. European Journal of Organic Chemistry, 2005, 2005, 3633-3636.	1.2	21
120	Simultaneous Encapsulation: Molecules Held at Close Range. Angewandte Chemie - International Edition, 2005, 44, 2068-2078.	7.2	509
121	Chemical Encapsulation in Self-Assembling Capsules. , 2005, , 199-210.		5
122	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
123	Binding properties of cavitands in aqueous solutionâ€”the influence of charge on guest selectivity. Chemical Communications, 2005, , 6044.	2.2	21
124	Fluorescence resonance energy transfer across a mechanical bond of a rotaxane. Chemical Communications, 2005, , 4604.	2.2	50
125	Metal directed assembly of ditopic containers and their complexes with alkylammonium salts. Chemical Communications, 2005, , 5530.	2.2	8
126	Diastereoselection of chiral acids in a cylindrical capsule. Chemical Communications, 2005, , 3667.	2.2	18

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127	Lower rim mono-functionalization of resorcinarenes. Chemical Communications, 2005, , 4164.	2.2	19
128	Resorcinarene assemblies as synthetic receptors. Chemical Communications, 2005, , 857.	2.2	46
129	Coencapsulation of three different guests in a cylindrical host. Chemical Communications, 2004, , 1802.	2.2	18
130	Constellational diastereomers in encapsulation complexes. Chemical Communications, 2004, , 1690.	2.2	20
131	Interactions between a surfactant and cavitand in water blur distinctions between host and guest. Chemical Communications, 2004, , 58.	2.2	32
132	Some Got Away, but Others Didn't.... Journal of Organic Chemistry, 2004, 69, 2651-2660.	1.7	16
133	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
134	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
135	The ins and outs of molecular encapsulation. Organic and Biomolecular Chemistry, 2004, 2, 3051.	1.5	174
136	Helical Conformation of Alkanes in a Hydrophobic Cavitand. Science, 2003, 301, 1219-1220.	6.0	217
137	Glycoluril ribbons tethered by complementary hydrogen bonds. Chemical Communications, 2003, , 1638-1639.	2.2	14
138	New supramolecular organization for a glycoluril: chiral hydrogen-bonded ribbons. Chemical Communications, 2002, , 2228.	2.2	18
139	Resorcin[6]arene as a building block for tubular crystalline state architectures. Chemical Communications, 2002, , 2612.	2.2	25
140	The inner solvation of a cylindrical capsule. Chemical Communications, 2002, , 2326.	2.2	16
141	Selectivity in an Encapsulated Cycloaddition Reaction. Organic Letters, 2002, 4, 327-329.	2.4	212
142	Molecular Encapsulation. Angewandte Chemie - International Edition, 2002, 41, 1488-1508.	7.2	859
143	Amplification by compartmentalization. Nature, 2002, 415, 385-386.	13.7	100
144	â€œFlexiballâ€•Toolkit:Â A Modular Approach to Self-Assembling Capsules. Journal of the American Chemical Society, 2001, 123, 11519-11533.	6.6	96

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145	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
146	Reversible encapsulation of multiple, neutral guests in hexameric resorcinarene hosts. Chemical Communications, 2001, , 2424-2425.	2.2	104
147	Hydrogen-bonded capsules in polar, protic solvents. Chemical Communications, 2001, , 2374-2375.	2.2	112
148	A Self-Folding Metallocavitand. Journal of the American Chemical Society, 2001, 123, 9929-9934.	6.6	33
149	Deep Cavities and Capsules. ACS Symposium Series, 2000, , 270-282.	0.5	2
150	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
151	A Cavitandâ˜Porphyrin Hybrid. Organic Letters, 2000, 2, 1995-1998.	2.4	29
152	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
153	Synthesis and Assembly of Self-Complementary Cavitands. Journal of the American Chemical Society, 2000, 122, 4573-4582.	6.6	55
154	Hostâ€“guest chemistry of calixarene capsules. Chemical Communications, 2000, , 637-643.	2.2	377
155	New Molecular Vessels:Â Synthesis and Chiroselective Recognition. Journal of the American Chemical Society, 2000, 122, 9628-9630.	6.6	49
156	Deepening Cavitands. European Journal of Organic Chemistry, 1999, 1999, 1991-2005.	1.2	164
157	Molecular Recognition within a Self-Assembled Cylindrical Host. Angewandte Chemie - International Edition, 1999, 38, 1136-1139.	7.2	107
158	Synthesis and Characterization of a Unimolecular Capsule. Angewandte Chemie - International Edition, 1999, 38, 1640-1644.	7.2	84
159	Supramolecular Isomerism in Caviplexes. Angewandte Chemie - International Edition, 1999, 38, 2600-2602.	7.2	33
160	Hierarchy of Order in Liquid Crystalline Polycaps. Angewandte Chemie - International Edition, 1999, 38, 2603-2606.	7.2	86
161	Deeper Cavitands. Journal of Organic Chemistry, 1999, 64, 4555-4559.	1.7	115
162	Reversible Encapsulation and Its Consequences in Solution. Accounts of Chemical Research, 1999, 32, 278-286.	7.6	335

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163	Kinetically Stable Caviplexes in Water. Journal of the American Chemical Society, 1999, 121, 11253-11254.	6.6	64
164	Encapsulation of Ionâ˜'Molecule Complexes:â€‰ Second-Sphere Supramolecular Chemistry. Journal of the American Chemical Society, 1999, 121, 7455-7456.	6.6	101
165	Deepening Cavitands. , 1999, 1999, 1991.		3
166	Self-Assembled Molecular Capsule Catalyzes a Dielsâ˜'Alder Reaction. Journal of the American Chemical Society, 1998, 120, 7389-7390.	6.6	254
167	Pairwise selection of guests in a cylindrical molecular capsule of nanometre dimensions. Nature, 1998, 394, 764-766.	13.7	446
168	The 55 % Solution: A Formula for Molecular Recognition in the Liquid State. Chemistry - A European Journal, 1998, 4, 1016-1022.	1.7	793
169	Solvent Controls Synthesis and Properties of Supramolecular Structures. Chemistry - A European Journal, 1998, 4, 1449-1457.	1.7	38
170	Self-Assembling Sieves. Angewandte Chemie - International Edition, 1998, 37, 3410-3413.	7.2	40
171	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
172	Chiral Capsules. 1. Softballs with Asymmetric Surfaces Bind Camphor Derivatives. Journal of the American Chemical Society, 1998, 120, 66-69.	6.6	61
173	â€œDeep-Cavityâ€•Resorcinarenes Dimerize through Hydrogen Bonding and Self-Inclusion. Journal of the American Chemical Society, 1998, 120, 4977-4981.	6.6	65
174	Dielsâ˜'Alder Reactions through Reversible Encapsulation. Journal of the American Chemical Society, 1998, 120, 3650-3656.	6.6	176
175	Chiral Spaces: Dissymmetric Capsules Through Self-Assembly. Science, 1998, 279, 1021-1023.	6.0	204
176	Molecular Assembly and Encapsulation Directed by Hydrogen-Bonding Preferences and the Filling of Space. , 1998, 281, 1842-1845.		42
177	Chiral Capsules:Â Asymmetric Binding in Calixarene-Based Dimers. Journal of the American Chemical Society, 1997, 119, 12671-12672.	6.6	149
178	Ring Inversion Dynamics of Encapsulated Cyclohexane. Journal of the American Chemical Society, 1997, 119, 11701-11702.	6.6	62
179	Acceleration of a Dielsâ€“Alder reaction by a self-assembled molecular capsule. Nature, 1997, 385, 50-52.	13.7	580
180	Chemical Selection and Self-Assembly in a Cyclization Reaction. Angewandte Chemie International Edition in English, 1997, 36, 846-848.	4.4	26

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181	Chemische Selektion und Selbstorganisation bei einer Cyclisierung. Angewandte Chemie, 1997, 109, 877-879.	1.6	7
182	Structure and Selectivity of a Small Dimeric Encapsulating Assembly. Chemistry - A European Journal, 1996, 2, 989-991.	1.7	13
183	Synthesis and Encapsulation Behavior of New Redox-Active Dimeric Assemblies. Angewandte Chemie International Edition in English, 1996, 35, 1225-1228.	4.4	19
184	Reversible Encapsulation of Guest Molecules in a Calixarene Dimer. Angewandte Chemie International Edition in English, 1996, 35, 1326-1329.	4.4	161
185	Entropically driven binding in a self-assembling molecular capsule. Nature, 1996, 382, 239-241.	13.7	226
186	Photoschaltbare Katalyse mit synthetischen Rezeptoren. Angewandte Chemie, 1995, 107, 503-505.	1.6	41
187	PseudokugelfÃ¶rmige WirtmolekÃ¼le: Synthese, Dimerisierung und â€žKeimbildungseffekteâ€œ. Angewandte Chemie, 1995, 107, 2031-2033.	1.6	12
188	Passive Template Effects and Active Acidâ€Base Involvement in Catalysis of Organic Reactions. Chemistry - A European Journal, 1995, 1, 183-192.	1.7	29
189	Light-Switchable Catalysis in Synthetic Receptors. Angewandte Chemie International Edition in English, 1995, 34, 446-448.	4.4	133
190	Template Effects in New Self-Replicating Molecules. Angewandte Chemie International Edition in English, 1994, 33, 1577-1579.	4.4	18
191	Reciprocal Template Effects in a Replication Cycle. Angewandte Chemie International Edition in English, 1994, 33, 1579-1581.	4.4	42
192	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
193	Reziproke Templateffekte in einem Replikationscyclus. Angewandte Chemie, 1994, 106, 1667-1669.	1.6	8
194	Screeningverfahren in LÃ¶sung zur Isolierung biologisch aktiver Verbindungen aus einer MolekÃ¼lbibliothek. Angewandte Chemie, 1994, 106, 2162-2164.	1.6	12
195	A Synthetic Cavity Assembles Through Self-Complementary Hydrogen Bonds. Angewandte Chemie International Edition in English, 1993, 32, 1699-1701.	4.4	324
196	Bildung eines Hohlraums durch Dimerisierung selbstkomplementÃrer MolekÃ¼le Ã¼ber WasserstoffbrÃ¼ckenbindungen. Angewandte Chemie, 1993, 105, 1820-1821.	1.6	109
197	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
198	Recognition, replication and extrabiotic chemistry. Supramolecular Chemistry, 1993, 1, 261-266.	1.5	3

#	Article	IF	Citations
199	Convergent Functional Groups XII. Arrays for Catalysis. Israel Journal of Chemistry, 1992, 32, 97-104.	1.0	4
200	Stereoelectronic effects at carboxyl oxygen. Journal of Physical Organic Chemistry, 1992, 5, 683-688.	0.9	1
201	A Synthetic Receptor for Cyclic Adenosine Monophosphate. Angewandte Chemie International Edition in English, 1992, 31, 61-63.	4.4	65
202	Molecular recognition and self-replication. Journal of Molecular Recognition, 1992, 5, 83-88.	1.1	14
203	Ein synthetischer Rezeptor fÃ¼r cycloâ€Adenosinmonophosphat. Angewandte Chemie, 1992, 104, 58-60.	1.6	27
204	Clefts as Receptor and Enzyme Analogues. Novartis Foundation Symposium, 1991, 158, 98-114.	1.2	0
205	New Chiral Auxiliaries for Enolate Alkylations. Angewandte Chemie International Edition in English, 1990, 29, 555-556.	4.4	33
206	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
207	Kooperative Wechselwirkungen bei der molekularen Erkennung â€” die Bindung von Diaminen an eine TetracarbonsÃure. Angewandte Chemie, 1990, 102, 1191-1192.	1.6	11
208	Organic pollutants in water-soluble cavitands and capsules: contortions of molecules in nanospace. Organic Chemistry Frontiers, 0, , .	2.3	2
209	Binding and Assembly of a Benzotriazole Cavitand in Water. Angewandte Chemie, 0, , .	1.6	4
210	Role of Rim Functions in Recognition and Selectivity of Small Molecule Guests in Waterâ€soluble Cavitand Hosts. Chemistry - an Asian Journal, 0, , .	1.7	1