

# Lyle D Isaacs

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4348981/lyle-d-isaacs-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207  
papers

15,641  
citations

63  
h-index

121  
g-index

230  
ext. papers

16,836  
ext. citations

8.1  
avg, IF

6.89  
L-index

#	Paper	IF	Citations
207	Thermodynamics of Pillararene Guest Complexation: Blinded Dataset for the SAMPL9 Challenge.. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 995-1002	3.6	1
206	Binding Methylarginines and Methyllysines as Free Amino Acids: A Comparative Study of Multiple Host Classes*. <i>ChemBioChem</i> , <b>2021</b> ,	3.8	2
205	In Vitro and In Vivo Sequestration of Methamphetamine by a Sulfated Acyclic CB[n]-Type Receptor. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 17476-17486	4.8	1
204	Acyclic Cucurbituril Featuring Pendant Cyclodextrins. <i>Supramolecular Chemistry</i> , <b>2021</b> , 33, 53-62	1.8	1
203	In Vitro and In Vivo Sequestration of Phencyclidine by Me Cucurbit[8]uril*. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 3098-3105	4.8	8
202	Self-assembled, optically-active {naphthalene diimide}U{cucurbit[8]uril} ensembles in an aqueous environment. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 13434-13439	3.6	
201	Chiroptical sensing of amino acids, amines, amino alcohols, alcohols and terpenes with extended acyclic cucurbiturils. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 4248-4253	3.9	1
200	Self Assembled Cages with Mechanically Interlocked Cucurbiturils. <i>Supramolecular Chemistry</i> , <b>2021</b> , 33, 8-32	1.8	
199	Pillar[n]MaxQ: A New High Affinity Host Family for Sequestration in Water. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13415-13421	3.6	7
198	Pillar[n]MaxQ: A New High Affinity Host Family for Sequestration in Water. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 13313-13319	16.4	20
197	Acyclic Cucurbit[ ]uril-Type Receptors: Optimization of Electrostatic Interactions for Dicationic Guests. <i>Organic Letters</i> , <b>2020</b> , 22, 4833-4837	6.2	5
196	Biomedical Applications of Metal Organic Polygons and Polyhedra (MOPs). <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 410, 213181-213181	23.2	29
195	A synthetic transcription factor pair mimic for precise recruitment of an epigenetic modifier to the targeted DNA locus. <i>Chemical Communications</i> , <b>2020</b> , 56, 2296-2299	5.8	11
194	Triptycene Walled Glycoluril Trimer: Synthesis and Recognition Properties. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 338-345	3.6	9
193	Supramolecular hosts as in vivo sequestration agents for pharmaceuticals and toxins. <i>Chemical Society Reviews</i> , <b>2020</b> , 49, 7516-7532	58.5	20
192	Acyclic Cucurbit[n]uril-Type Receptors: Aromatic Wall Extension Enhances Binding Affinity, Delivers Helical Chirality, and Enables Fluorescence Sensing. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15249-15258	4.8	4
191	Rektitelbild: Pillar[n]MaxQ: A New High Affinity Host Family for Sequestration in Water (Angew. Chem. 32/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 13768-13768	3.6	

190	Conformationally Mobile Acyclic Cucurbit[n]uril-Type Receptors Derived from an S-shaped Methylene Bridged Glycoluril Pentamer. <i>Supramolecular Chemistry</i> , <b>2020</b> , 32, 479-494	1.8	1
189	Calabadiol 1 selectively reverses respiratory and central nervous system effects of fentanyl in a rat model. <i>British Journal of Anaesthesia</i> , <b>2020</b> , 125, e140-e147	5.4	11
188	Acyclic Cucurbit[n]uril-Type Containers as Receptors for Neuromuscular Blocking Agents: Structure-Binding Affinity Relationships. <i>Croatica Chemica Acta</i> , <b>2019</b> , 92, 163-171	0.8	2
187	Molecular recognition properties of acyclic cucurbiturils toward amino acids, peptides, and a protein. <i>Supramolecular Chemistry</i> , <b>2019</b> , 31, 432-441	1.8	8
186	Triazole functionalized acyclic cucurbit[n]uril-type receptors: host-guest recognition properties. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 5561-5569	3.9	7
185	Directly Functionalized Cucurbit[7]uril as a Biosensor for the Selective Detection of Protein Interactions by Xe hyperCEST NMR. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6108-6112	4.8	19
184	Interactions between acyclic CB[n]-type receptors and nitrated explosive materials. <i>Chemical Communications</i> , <b>2019</b> , 55, 10635-10638	5.8	2
183	Acyclic Cucurbit[n]uril Type Receptors: Secondary Versus Tertiary Amide Arms. <i>Supramolecular Chemistry</i> , <b>2019</b> , 31, 685-694	1.8	2
182	Chaperone-Assisted Host-Guest Interactions Revealed by Single-Molecule Force Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 18385-18389	16.4	17
181	Acyclic cucurbit[n]urils capped with alkylene linkers: synthesis and molecular recognition properties. <i>Supramolecular Chemistry</i> , <b>2019</b> , 31, 114-126	1.8	4
180	Cucurbit[8]uril-guest complexes: blinded dataset for the SAMPL6 challenge. <i>Supramolecular Chemistry</i> , <b>2019</b> , 31, 150-158	1.8	14
179	Shape-Controllable and Fluorescent Supramolecular Organic Frameworks Through Aqueous Host-Guest Complexation. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 737-741	3.6	27
178	Hybrid Molecular Container Based on Glycoluril and Triptycene: Synthesis, Binding Properties, and Triggered Release. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 14101-14110	4.8	9
177	Metal Organic Polyhedra: A Click-and-Clack Approach Toward Targeted Delivery. <i>Helvetica Chimica Acta</i> , <b>2018</b> , 101, e1800057	2	11
176	Blurring the Lines between Host and Guest: A Chimeric Receptor Derived from Cucurbituril and Triptycene. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8073-8078	16.4	15
175	Blurring the Lines between Host and Guest: A Chimeric Receptor Derived from Cucurbituril and Triptycene. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8205-8210	3.6	3
174	A glycoluril dimer-triptycene hybrid receptor: synthesis and molecular recognition properties. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 6499-6506	3.9	8
173	Shape-Controllable and Fluorescent Supramolecular Organic Frameworks Through Aqueous Host-Guest Complexation. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 729-733	16.4	124

172	Acyclic Cucurbit[n]uril-type Receptors: Preparation, Molecular Recognition Properties and Biological Applications. <i>Israel Journal of Chemistry</i> , <b>2018</b> , 58, 250-263	3.4	42
171	Overview of the SAMPL6 host-guest binding affinity prediction challenge. <i>Journal of Computer-Aided Molecular Design</i> , <b>2018</b> , 32, 937-963	4.2	77
170	Adamantane/Cucurbituril: A Potential Pretargeted Imaging Strategy in Immuno-PET. <i>Molecular Imaging</i> , <b>2018</b> , 17, 1536012118799838	3.7	9
169	Hybrid Molecular Container Based on Glycoluril and Triptycene: Synthesis, Binding Properties, and Triggered Release. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 13987-13987	4.8	
168	Self-assembly of cucurbit[7]uril based triangular [4]molecular necklaces and their fluorescence properties. <i>Chemical Communications</i> , <b>2017</b> , 53, 2756-2759	5.8	18
167	Unraveling the Structure-Affinity Relationship between Cucurbit[n]urils (n = 7, 8) and Cationic Diamondoids. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3249-3258	16.4	47
166	Synthetic mimics of biotin/(strept)avidin. <i>Chemical Society Reviews</i> , <b>2017</b> , 46, 2391-2403	58.5	134
165	Cucurbit[7]uril Enables Multi-Stimuli-Responsive Release from the Self-Assembled Hydrophobic Phase of a Metal Organic Polyhedron. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9066-9074	16.4	113
164	Molecular Containers Bind Drugs of Abuse in Vitro and Reverse the Hyperlocomotive Effect of Methamphetamine in Rats. <i>ChemBioChem</i> , <b>2017</b> , 18, 1583-1588	3.8	41
163	Host-Guest Tethered DNA Transducer: ATP Fueled Release of a Protein Inhibitor from Cucurbit[7]uril. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13916-13921	16.4	56
162	Supramolecular Sensors for Opiates and Their Metabolites. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 14954-14960	16.4	53
161	From Packed Sandwich to Russian Doll Assembly by Charge-Transfer Interactions in Cucurbit[10]uril. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17493-17493	4.8	1
160	From Packed "Sandwich" to "Russian Doll": Assembly by Charge-Transfer Interactions in Cucurbit[10]uril. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17612-17618	4.8	33
159	A Novel Strategy to Reverse General Anesthesia by Scavenging with the Acyclic Cucurbit[n]uril-type Molecular Container Calabadion 2. <i>Anesthesiology</i> , <b>2016</b> , 125, 333-45	4.3	21
158	Predictive recognition of native proteins by cucurbit[7]uril in a complex mixture. <i>Chemical Communications</i> , <b>2016</b> , 52, 8537-40	5.8	55
157	Acyclic Cucurbit[n]uril-Type Molecular Container Enables Systemic Delivery of Effective Doses of Albendazole for Treatment of SK-OV-3 Xenograft Tumors. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 809-18	5.6	41
156	In Vitro selectivity of an acyclic cucurbit[n]uril molecular container towards neuromuscular blocking agents relative to commonly used drugs. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 1277-87	3.9	24
155	Steric hindrance to the syntheses and stabilities of 1,5- and 2,6-naphthalene N-permethylated diammonium salts. <i>Tetrahedron</i> , <b>2016</b> , 72, 1541-1546	2.4	6

154	Acyclic Cucurbit[n]uril-Type Molecular Containers: Influence of Linker Length on Their Function as Solubilizing Agents. <i>ChemMedChem</i> , <b>2016</b> , 11, 980-9	3.7	18
153	Uptake of Hydrocarbons in Aqueous Solution by Encapsulation in Acyclic Cucurbit[n]uril-Type Molecular Containers. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 8208-8212	3.6	7
152	Uptake of Hydrocarbons in Aqueous Solution by Encapsulation in Acyclic Cucurbit[n]uril-Type Molecular Containers. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8076-80	16.4	30
151	Supramolecular PEGylation of biopharmaceuticals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 14189-14194	11.5	121
150	Cucurbit[7]uril-Tetramethylrhodamine Conjugate for Direct Sensing and Cellular Imaging. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 16549-16552	16.4	61
149	Energy-resolved collision-induced dissociation of non-covalent ions: charge- and guest-dependence of decomplexation reaction efficiencies. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 12557-68	3.6	8
148	Cationic acyclic cucurbit[n]uril-type containers: synthesis and molecular recognition toward nucleotides. <i>Supramolecular Chemistry</i> , <b>2016</b> , 28, 825-834	1.8	9
147	Metal-Organic Polyhedron Capped with Cucurbit[8]uril Delivers Doxorubicin to Cancer Cells. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14488-14496	16.4	112
146	A Nexus between Theory and Experiment: Non-Empirical Quantum Mechanical Computational Methodology Applied to Cucurbit[n]uril?Guest Binding Interactions. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17226-17238	4.8	19
145	Glycoluril-Derived Molecular Clips are Potent and Selective Receptors for Cationic Dyes in Water. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 15270-15279	4.8	26
144	Dimeric packing of molecular clips induced by interactions between $\pi$ -systems. <i>CrystEngComm</i> , <b>2015</b> , 17, 2486-2495	3.3	5
143	Synthesis and Recognition Properties of Enantiomerically Pure Acyclic Cucurbit[n]uril-Type Molecular Containers. <i>Organic Letters</i> , <b>2015</b> , 17, 4038-41	6.2	10
142	Influence of hydrophobic residues on the binding of CB[7] toward diammonium ions of common ammonium <sup>+</sup> ammonium distance. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 6249-54	3.9	11
141	Synthesis and Recognition Properties of Cucurbit[8]uril Derivatives. <i>Organic Letters</i> , <b>2015</b> , 17, 5068-71	6.2	28
140	Differentially functionalized acyclic cucurbiturils: synthesis, self-assembly and CB[6]-induced allosteric guest binding. <i>Chemical Communications</i> , <b>2015</b> , 51, 14620-3	5.8	14
139	Acyclic Cucurbit[n]uril Dendrimers. <i>Organic Letters</i> , <b>2015</b> , 17, 5914-7	6.2	4
138	Photoinduced guest transformation promotes translocation of guest from hydroxypropyl- $\beta$ -cyclodextrin to cucurbit[7]uril. <i>Chemical Communications</i> , <b>2015</b> , 51, 1349-52	5.8	12
137	Synthesis of a Disulfonated Derivative of Cucurbit[7]uril and Investigations of its Ability to Solubilize Insoluble Drugs. <i>Supramolecular Chemistry</i> , <b>2015</b> , 27, 288-297	1.8	14

136	Comparative Effectiveness of Calabadiol and Sugammadex to Reverse Non-depolarizing Neuromuscular-blocking Agents. <i>Anesthesiology</i> , <b>2015</b> , 123, 1337-49	4.3	58
135	Acyclic cucurbit[n]uril-type molecular containers: influence of glycoluril oligomer length on their function as solubilizing agents. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 4041-50	3.9	40
134	Hydrophobic monofunctionalized cucurbit[7]uril undergoes self-inclusion complexation and forms vesicle-type assemblies. <i>Chemical Communications</i> , <b>2015</b> , 51, 3762-5	5.8	27
133	Stimuli responsive systems constructed using cucurbit[n]uril-type molecular containers. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 2052-62	24.3	370
132	"Turn-on" fluorescent sensor array for basic amino acids in water. <i>Chemical Communications</i> , <b>2014</b> , 50, 61-3	5.8	101
131	Cucurbit[6]uril-cucurbit[7]uril heterodimer promotes controlled self-assembly of supramolecular networks and supramolecular micelles by self-sorting of amphiphilic guests. <i>Chemical Communications</i> , <b>2014</b> , 50, 14756-9	5.8	14
130	Mesoporous Silica Nanoparticles Coated by Layer-by-Layer Self-assembly Using Cucurbit[7]uril for in Vitro and in Vivo Anticancer Drug Release. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 6418-6431	9.6	160
129	The neurotoxic, myotoxic and cardiotoxic activity of cucurbituril-based macrocyclic drug delivery vehicles. <i>Toxicology Research</i> , <b>2014</b> , 3, 447-455	2.6	82
128	Cucurbit[6]uril dimer induces supramolecular polymerisation of a cationic polyethylene glycol derivative. <i>Supramolecular Chemistry</i> , <b>2014</b> , 26, 157-167	1.8	5
127	New small-molecule inhibitors effectively blocking picornavirus replication. <i>Journal of Virology</i> , <b>2014</b> , 88, 11091-107	6.6	38
126	Acyclic CB[n]-type molecular containers: effect of solubilizing group on their function as solubilizing excipients. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 2413-22	3.9	36
125	Cucurbit[7]uril?Guest Pair with an Attomolar Dissociation Constant. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10064-10115	6.4	52
124	Design, Synthesis, and X-ray Structural Analyses of Diamantane Diammonium Salts: Guests for Cucurbit[n]uril (CB[n]) Hosts. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 2533-2542	3.2	15
123	Absolute and relative binding affinity of cucurbit[7]uril towards a series of cationic guests. <i>Supramolecular Chemistry</i> , <b>2014</b> , 26, 251-258	1.8	43
122	Acyclic cucurbit[n]uril-type molecular containers: influence of aromatic walls on their function as solubilizing excipients for insoluble drugs. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 9554-63	8.3	80
121	2,5-Dioxopyrrolidin-1-yl 2-methyl-prop-2-enoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2014</b> , 70, o446		
120	Cucurbit[7]uril?guest pair with an attomolar dissociation constant. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 988-93	16.4	289
119	Homotropic Allosterism: In-Depth Structural Analysis of the Gas-Phase Noncovalent Complexes Associating a Double-Cavity Cucurbit[n]uril-Type Host and Size-Selected Protonated Amino Compounds. <i>ChemPlusChem</i> , <b>2013</b> , 78, 959-969	2.8	10



118	Cucurbit[7]uril containers for targeted delivery of oxaliplatin to cancer cells. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12033-7	16.4	131
117	Multianalyte sensing of addictive over-the-counter (OTC) drugs. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15238-43	16.4	102
116	Supramolecular ladders from dimeric cucurbit[6]uril. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 3690-4	16.4	53
115	Calabadion: A new agent to reverse the effects of benzylisoquinoline and steroidal neuromuscular-blocking agents. <i>Anesthesiology</i> , <b>2013</b> , 119, 317-25	4.3	62
114	Cucurbit[7]uril Containers for Targeted Delivery of Oxaliplatin to Cancer Cells. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 12255-12259	3.6	13
113	Supramolecular Ladders from Dimeric Cucurbit[6]uril. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 3778-3782	3.6	9
112	Supramolecular sensor for cancer-associated nitrosamines. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 20021-4	16.4	111
111	Daisy chain assembly formed from a cucurbit[6]uril derivative. <i>Organic Letters</i> , <b>2012</b> , 14, 3072-5	6.2	64
110	Acyclic Cucurbit[n]uril-Type Molecular Containers Bind Neuromuscular Blocking Agents In Vitro and Reverse Neuromuscular Block In Vivo. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 11520-11524	3.6	25
109	Acyclic cucurbit[n]uril-type molecular containers bind neuromuscular blocking agents in vitro and reverse neuromuscular block in vivo. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11358-62	16.4	114
108	Complementarity and Preorganization <b>2012</b> ,		5
107	Metastable single-chain polymer nanoparticles prepared by dynamic cross-linking with nor-seco-cucurbit[10]uril. <i>Chemical Science</i> , <b>2012</b> , 3, 2278	9.4	58
106	Acyclic cucurbit[n]uril molecular containers selectively solubilize single-walled carbon nanotubes in water. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7254-7	16.4	49
105	Synthesis and self-assembly processes of monofunctionalized cucurbit[7]uril. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 13133-40	16.4	177
104	Acyclic cucurbit[n]uril molecular containers enhance the solubility and bioactivity of poorly soluble pharmaceuticals. <i>Nature Chemistry</i> , <b>2012</b> , 4, 503-10	17.6	313
103	Self-assembly of a ternary architecture driven by cooperative Hg <sup>2+</sup> ion binding between cucurbit[7]uril and crown ether macrocyclic hosts. <i>Chemical Communications</i> , <b>2012</b> , 48, 7256-8	5.8	23
102	Blind prediction of host-guest binding affinities: a new SAMPL3 challenge. <i>Journal of Computer-Aided Molecular Design</i> , <b>2012</b> , 26, 475-87	4.2	101
101	Approaches to drug delivery based on the principles of supramolecular chemistry. <i>Advanced Drug Delivery Reviews</i> , <b>2012</b> , 64, 763	18.5	7

100	Acyclic cucurbituril congener binds to local anaesthetics. <i>Supramolecular Chemistry</i> , <b>2012</b> , 24, 325-332	1.8	22
99	The Mechanism of Cucurbituril Formation. <i>Israel Journal of Chemistry</i> , <b>2011</b> , 51, 578-591	3.4	39
98	Templated synthesis of glycoluril hexamer and monofunctionalized cucurbit[6]uril derivatives. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 17966-76	16.4	119
97	A clipped [3]rotaxane derived from bis-nor-seco-cucurbit[10]uril. <i>Chemical Communications</i> , <b>2011</b> , 47, 9420-2	5.8	28
96	Reassembly self-sorting triggered by heterodimerization. <i>Chemical Communications</i> , <b>2011</b> , 47, 8548-50	5.8	18
95	Recognition properties of acyclic glycoluril oligomers. <i>Organic Letters</i> , <b>2011</b> , 13, 4112-5	6.2	27
94	Recognition-mediated activation of therapeutic gold nanoparticles inside living cells. <i>Nature Chemistry</i> , <b>2010</b> , 2, 962-6	17.6	265
93	Toxicology and drug delivery by cucurbit[n]uril type molecular containers. <i>PLoS ONE</i> , <b>2010</b> , 5, e10514	3.7	199
92	Polymer deaggregation and assembly controlled by a double cavity cucurbituril. <i>Supramolecular Chemistry</i> , <b>2010</b> , 22, 683-690	1.8	16
91	Acyclic cucurbit[n]uril congeners are high affinity hosts. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 4786-95	4.2	102
90	Reasons why aldehydes do not generally participate in cucurbit[n]uril forming reactions. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 2934-41	4.2	18
89	Nanotubular non-covalent macrocycle within non-covalent macrocycle assembly: (MeOH) <sub>12</sub> encapsulated in a molecular clip cyclododecamer. <i>Chemical Communications</i> , <b>2010</b> , 46, 4508-10	5.8	8
88	Biological catalysis regulated by cucurbit[7]uril molecular containers. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4445-54	16.4	110
87	Deconvolution of a multi-component interaction network using systems chemistry. <i>Journal of Systems Chemistry</i> , <b>2010</b> , 1, 6		14
86	Sensor for nitrophenol based on a fluorescent molecular clip. <i>Organic Letters</i> , <b>2009</b> , 11, 2603-6	6.2	26
85	Cucurbit[7]uril complexation drives thermal trans-cis-azobenzene isomerization and enables colorimetric amine detection. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 11675-80	4.8	84
84	Toward supramolecular polymers incorporating double cavity cucurbituril hosts. <i>Tetrahedron</i> , <b>2009</b> , 65, 7249-7258	2.4	43
83	Cucurbit[7]uril complexes of crown-ether derived styryl and (bis)styryl dyes. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 10149-58	3.4	26



82	Metal-ion-induced folding and dimerization of a glycoluril decamer in water. <i>Organic Letters</i> , <b>2009</b> , 11, 3918-21	6.2	26
81	Supramolecular rhombic grids formed from bimolecular building blocks. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 11695-7	16.4	24
80	Cucurbit[n]uril-polyoxoanion hybrids. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 432-3	16.4	134
79	Cucurbit[n]urils: from mechanism to structure and function. <i>Chemical Communications</i> , <b>2009</b> , 619-29	5.8	348
78	Folding of long-chain alkanediammonium ions promoted by a cucurbituril derivative. <i>Organic Letters</i> , <b>2008</b> , 10, 2577-80	6.2	60
77	Cucurbit[n]uril formation proceeds by step-growth cyclo-oligomerization. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 8446-54	16.4	88
76	Tetrameric molecular bowl assembled from glycoluril building blocks. <i>Chemical Communications</i> , <b>2008</b> , 3133-5	5.8	13
75	Self-sorting molecular clips. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 5915-25	4.2	61
74	Cucurbit[8]uril Controls the Folding of Cationic Diaryl Ureas in Water. <i>Supramolecular Chemistry</i> , <b>2008</b> , 20, 191-199	1.8	11
73	Cucurbit[6]uril p-xylylenediammonium diiodide deca-hydrate inclusion complex. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2008</b> , 64, o1321-2		7
72	Ternary complexes comprising cucurbit[10]uril, porphyrins, and guests. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 2657-60	16.4	92
71	Ternary Complexes Comprising Cucurbit[10]uril, Porphyrins, and Guests. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 2697-2700	3.6	16
70	Diphenylglycoluril as a novel ligand architecture for dirhodium(II) carboxamidates. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3309-3314	2.7	11
69	Reconfigurable four-component molecular switch based on pH-controlled guest swapping. <i>Organic Letters</i> , <b>2007</b> , 9, 2349-52	6.2	46
68	Refolding foldamers: triazene-arylene oligomers that change shape with chemical stimuli. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 11232-41	16.4	57
67	Chiral molecular clips control orthogonal crystalline organization. <i>Organic Letters</i> , <b>2007</b> , 9, 1899-902	6.2	35
66	Chiral recognition inside a chiral cucurbituril. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7425-746.4	16.4	118
65	Chiral Recognition inside a Chiral Cucurbituril. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 7569-7571	3.6	20

64	Cucurbit[6]uril-phenylenediammonium diiodide decahydrate inclusion complex. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2007</b> , 63, o1060-o1062		7
63	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> , <b>2007</b> , 104, 20737-42	11.5	476
62	Mechanism of the conversion of inverted CB[6] to CB[6]. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 6840-7	4.2	38
61	High fidelity kinetic self-sorting in multi-component systems based on guests with multiple binding epitopes. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 14093-102	16.4	179
60	Molecular-recognition properties of a water-soluble cucurbit[6]uril analogue. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 1181-90	4.2	83
59	Magnetic iron oxide nanoparticles for biorecognition: evaluation of surface coverage and activity. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 1553-8	3.4	106
58	Substituent effects control the self-association of molecular clips in the crystalline state. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 4502-8	4.2	59
57	Nor-seco-cucurbit[10]uril exhibits homotropic allostereism. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 14744-5	16.4	138
56	Cucurbit[10]uril. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 16798-9	16.4	265
55	Chapter 3 From methylene bridged glycoluril dimers to cucurbit[n]uril analogs with some detours along the way. <i>Strategies and Tactics in Organic Synthesis</i> , <b>2005</b> , 6, 71-99	0.2	
54	Cucurbit[n]uril analogues: synthetic and mechanistic studies. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 10381-92	16.4	79
53	The inverted cucurbit[n]uril family. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 18000-1	16.4	143
52	A cucurbit[6]uril analogue: host properties monitored by fluorescence spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 7686-91	3.4	76
51	The cucurbit[n]uril family: prime components for self-sorting systems. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 15959-67	16.4	720
50	The cucurbit[n]uril family. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 4844-70	16.4	2002
49	Die Cucurbit[n]uril-Familie. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 4922-4949	3.6	381
48	A DMSO-capped dimeric glycoluril derivative. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2004</b> , 60, o1814-o1816		1
47	Social self-sorting in aqueous solution. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 6157-64	4.2	173

46	Molecular clips form isostructural dimeric aggregates from benzene to water. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10035-43	16.4	59
45	Cucurbit[n]uril analogues. <i>Organic Letters</i> , <b>2003</b> , 5, 3745-7	6.2	99
44	Preparation of glycoluril monomers for expanded cucurbit[n]uril synthesis. <i>Tetrahedron</i> , <b>2003</b> , 59, 1961-1970	16.4	51
43	Glycoluril diamide dihydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2003</b> , 59, o1927-o1929		
42	Acyclic congener of cucurbituril: synthesis and recognition properties. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 6184-91	4.2	50
41	Self-sorting: the exception or the rule?. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 4831-5	16.4	382
40	Enantiomeric Self-Recognition of a Facial Amphiphile Triggered by $[\{Pd(ONO_2)(en)\}_2]$ . <i>Angewandte Chemie</i> , <b>2002</b> , 114, 1985	3.6	8
39	Molecular Clips that Undergo Heterochiral Aggregation and Self-Sorting. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 4200-4203	3.6	23
38	Enantiomeric Self-Recognition of a Facial Amphiphile Triggered by $[\{Pd(ONO_2)(en)\}_2]$ . <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1905	16.4	35
37	Molecular clips that undergo heterochiral aggregation and self-sorting. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 4028-31	16.4	99
36	Glycoluril derivatives form hydrogen bonded tapes rather than cucurbit[n]uril congeners. <i>Tetrahedron</i> , <b>2002</b> , 58, 9769-9777	2.4	59
35	Diastereoselective formation of glycoluril dimers: isomerization mechanism and implications for cucurbit[n]uril synthesis. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 8297-306	16.4	83
34	Methylene-bridged glycoluril dimers: synthetic methods. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 5817-30	4.2	96
33	Enantiomeric self-recognition of a facial amphiphile triggered by $[\{Pd(ONO_2)(en)\}_2]$ . <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1905-7	16.4	4
32	A structurally biased combinatorial approach for discovering new anti-picornaviral compounds. <i>Chemistry and Biology</i> , <b>2001</b> , 8, 33-45		17
31	Self-association of facially amphiphilic methylene bridged glycoluril dimers. <i>Organic Letters</i> , <b>2001</b> , 3, 3221-4	6.2	32
30	Diastereoselective Formation of Methylene-Bridged Glycoluril Dimers. <i>Organic Letters</i> , <b>2000</b> , 2, 755-758	6.2	51
29	A strategy for the generation of surfaces presenting ligands for studies of binding based on an active ester as a common reactive intermediate: a surface plasmon resonance study. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 777-90	7.8	538

28	Design, synthesis and self-association behavior of water soluble self complementary facial amphiphiles. <i>Chemical Communications</i> , <b>1999</b> , 2549-2550	5.8	14
27	Biospecific Binding of Carbonic Anhydrase to Mixed SAMs Presenting Benzenesulfonamide Ligands: A Model System for Studying Lateral Steric Effects. <i>Langmuir</i> , <b>1999</b> , 15, 7186-7198	4	121
26	Propriété rdx de fullerènes fonctionnalisés. <i>Canadian Journal of Chemical Engineering</i> , <b>1998</b> , 76, 1008-1012.	2.3	3
25	Stereoelectronic Effects on Product Formation from the E- and Z-Isomers of $\alpha,\beta$ -Vinyl Carbene Complexed Intermediates in the Reactions of Fischer Carbene Complexes with Alkynes. <i>Organometallics</i> , <b>1998</b> , 17, 4298-4308	3.8	37
24	A trivalent system from vancomycin.D-ala-D-Ala with higher affinity than avidin.biotin. <i>Science</i> , <b>1998</b> , 280, 708-11	33.3	287
23	Self-Assembly of Zinc Porphyrins around the Periphery of Hydrogen-Bonded Aggregates That Bear Imidazole Groups. <i>Journal of Organic Chemistry</i> , <b>1997</b> , 62, 8994-9000	4.2	35
22	Formation of Protein Charge Ladders by Acylation of Amino Groups on Proteins. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 12701-12709	16.4	62
21	Multiple Adducts of C60 by Tether-Directed Remote Functionalization and synthesis of soluble derivatives of new carbon allotropes Cn(60+5). <i>Helvetica Chimica Acta</i> , <b>1997</b> , 80, 317-342	2	77
20	Bis- through Tetrakis-Adducts of C60 by Reversible Tether-Directed Remote Functionalization and systematic investigation of the changes in fullerene properties as a function of degree, pattern, and nature of functionalization. <i>Helvetica Chimica Acta</i> , <b>1997</b> , 80, 343-371	2	99
19	Electron Ring-Current Effects in Multiple Adducts of 3He@C60 and 3He@C70: A 3He NMR Study. <i>Chemistry - A European Journal</i> , <b>1997</b> , 3, 1071-1076	4.8	36
18	Regiospecific templated synthesis of D2h-symmetrical tetrakis-adduct C64(COOEt)8 by reversible tether-directed remote functionalization of C60. <i>Chemical Communications</i> , <b>1996</b> , 797	5.8	26
17	The X-Ray Crystal Structure and Packing of a Hexakis-adduct of C60: Temperature dependence of weak C-H...O interactions. <i>Helvetica Chimica Acta</i> , <b>1996</b> , 79, 1047-1058	2	43
16	Alkylische Derivate von C195 und C260: die ersten Verbindungen einer neuen Klasse von Kohlenstoffallotropen Cn(60 + 5). <i>Angewandte Chemie</i> , <b>1995</b> , 107, 1636-1639	3.6	35
15	Synthesis of a Fullerene[60] Cryptate and Systematic Langmuir-Blodgett and Thin-Film Investigations of Amphiphilic Fullerene Derivatives. <i>Chemistry - A European Journal</i> , <b>1995</b> , 1, 243-251	4.8	75
14	Solubilized Derivatives of C195 and C260: The First Members of a New Class of Carbon Allotropes Cn(60 + 5). <i>Angewandte Chemie International Edition in English</i> , <b>1995</b> , 34, 1466-1469		70
13	Electrochemistry of Mono- through Hexakis-adducts of C60. <i>Helvetica Chimica Acta</i> , <b>1995</b> , 78, 1334-1344.		96
12	Tether-Directed Remote Functionalization of Buckminsterfullerene: Regiospecific Hexaadduct Formation. <i>Angewandte Chemie International Edition in English</i> , <b>1994</b> , 33, 2339-2342		170
11	Spacer-kontrollierte Fernfunktionalisierung von Buckminsterfullerenen: regiospezifische Bildung eines Hexaadduktes. <i>Angewandte Chemie</i> , <b>1994</b> , 106, 2434-2437	3.6	70

10	Valence isomerism and rearrangements in methanofullerenes. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1994</b> , 391		68
9	Syntheses, structures, and properties of methanofullerenes. <i>Chemical Society Reviews</i> , <b>1994</b> , 23, 243	58.5	238
8	Improved Purification of C <sub>60</sub> and Formation of $\beta$ - and $\beta$ -Homoaromatic methano-bridged fullerenes by reaction with alkyl diazoacetates. <i>Helvetica Chimica Acta</i> , <b>1993</b> , 76, 1231-1250	2	263
7	Structures and Chemistry of Methanofullerenes: A Versatile Route into N-[(Methanofullerene)carbonyl]-Substituted Amino Acids. <i>Helvetica Chimica Acta</i> , <b>1993</b> , 76, 2454-2464	2	122
6	Fullerene formation in sputtering and electron beam evaporation processes. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 6866-6869		48
5	Alkylations of $\beta$ -enolates generated from amino carbene complexes of chromium. <i>Tetrahedron Letters</i> , <b>1989</b> , 30, 4061-4064	2	26
4	Complex Self-Sorting Systems 118-154		3
3	Cucurbit[n]urils 113-142		11
2	In Vitro and In Vivo Sequestration of Phencyclidine by Me <sub>4</sub> Cucurbit[8]uril		2
1	Overview of the SAMPL6 host-guest binding affinity prediction challenge		5