Lyle D Isaacs

List of Publications by Year
in descending order

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205 papers	18,270 citations	14124 69 h-index	14779 131 g-index
230 all docs	230 docs citations	230 times ranked	10872 citing authors

#	Article	IF	Citations
1	Binding Methylarginines and Methyllysines as Free Amino Acids: A Comparative Study of Multiple Host Classes**. ChemBioChem, 2022, 23, .	1.3	4
2	Thermodynamics of pillarareneÂ·guest complexation: blinded dataset for the SAMPL9 challenge. New Journal of Chemistry, 2022, 46, 995-1002.	1.4	12
3	Voltage-Gated Membranes Incorporating Cucurbit[n]uril Molecular Containers for Molecular Nanofiltration. Journal of the American Chemical Society, 2022, 144, 6483-6492.	6.6	49
4	Anthraceneâ€Walled Acyclic CB[n] Receptors: inâ€...vitro and inâ€...vivo Binding Properties toward Drugs of Abuse. ChemMedChem, 2022, 17, .	1.6	2
5	Doubleâ€Cavity Norâ€Secoâ€Cucurbit[10]uril Enables Efficient and Rapid Separation of Pyridine from Mixtures of Toluene, Benzene, and Pyridine. Angewandte Chemie, 2022, 134, .	1.6	2
6	In Vitro and In Vivo Sequestration of Phencyclidine by Me₄Cucurbit[8]uril**. Chemistry - A European Journal, 2021, 27, 3098-3105.	1.7	14
7	Self-assembled, optically-active {naphthalene diimide}U{cucurbit[8]uril} ensembles in an aqueous environment. Physical Chemistry Chemical Physics, 2021, 23, 13434-13439.	1.3	0
8	Chiroptical sensing of amino acids, amines, amino alcohols, alcohols and terpenes with Ï€-extended acyclic cucurbiturils. Organic and Biomolecular Chemistry, 2021, 19, 4248-4253.	1.5	12
9	Self assembled cages with mechanically interlocked cucurbiturils. Supramolecular Chemistry, 2021, 33, 8-32.	1.5	0
10	Acyclic cucurbituril featuring pendant cyclodextrins. Supramolecular Chemistry, 2021, 33, 53-62.	1.5	1
11	In Vitro and In Vivo Sequestration of Methamphetamine by a Sulfated Acyclic CB[n]â€Type Receptor. Chemistry - A European Journal, 2021, 27, 17476-17486.	1.7	5
12	Triptycene walled glycoluril trimer: synthesis and recognition properties. New Journal of Chemistry, 2020, 44, 338-345.	1.4	9
13	Supramolecular hosts as in vivo sequestration agents for pharmaceuticals and toxins. Chemical Society Reviews, 2020, 49, 7516-7532.	18.7	73
14	Acyclic Cucurbit[n]urilâ€Type Receptors: Aromatic Wall Extension Enhances Binding Affinity, Delivers Helical Chirality, and Enables Fluorescence Sensing. Chemistry - A European Journal, 2020, 26, 15249-15258.	1.7	11
15	RÃ¼cktitelbild: Pillar[n]MaxQ: A New High Affinity Host Family for Sequestration in Water (Angew. Chem. 32/2020). Angewandte Chemie, 2020, 132, 13768-13768.	1.6	0
16	Conformationally mobile acyclic cucurbit[n]uril-type receptors derived from an S-shaped methylene bridged glycoluril pentamer. Supramolecular Chemistry, 2020, 32, 479-494.	1.5	2
17	Pillar[n]MaxQ: A New High Affinity Host Family for Sequestration in Water. Angewandte Chemie, 2020, 132, 13415-13421.	1.6	13
18	Pillar[n]MaxQ: A New High Affinity Host Family for Sequestration in Water. Angewandte Chemie - International Edition, 2020, 59, 13313-13319.	7.2	55

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19	Acyclic Cucurbit[n]uril-Type Receptors: Optimization of Electrostatic Interactions for Dicationic Guests. Organic Letters, 2020, 22, 4833-4837.	2.4	10
20	Biomedical applications of metal organic polygons and polyhedra (MOPs). Coordination Chemistry Reviews, 2020, 410, 213181.	9.5	58
21	A synthetic transcription factor pair mimic for precise recruitment of an epigenetic modifier to the targeted DNA locus. Chemical Communications, 2020, 56, 2296-2299.	2.2	14
22	Calabadion 1 selectively reverses respiratory and central nervous system effects of fentanyl in a rat model. British Journal of Anaesthesia, 2020, 125, e140-e147.	1.5	21
23	Interactions between acyclic CB[n]-type receptors and nitrated explosive materials. Chemical Communications, 2019, 55, 10635-10638.	2.2	5
24	Acyclic cucurbit[n]uril type receptors: secondary versus tertiary amide arms. Supramolecular Chemistry, 2019, 31, 685-694.	1.5	2
25	Chaperone-Assisted Hostâ€“Guest Interactions Revealed by Single-Molecule Force Spectroscopy. Journal of the American Chemical Society, 2019, 141, 18385-18389.	6.6	24
26	Acyclic Cucurbit[n]uril-Type Containers as Receptors for Neuromuscular Blocking Agents. Croatica Chemica Acta, 2019, 92, 163-171.	0.1	5
27	Molecular recognition properties of acyclic cucurbiturils toward amino acids, peptides, and a protein. Supramolecular Chemistry, 2019, 31, 432-441.	1.5	14
28	Triazole functionalized acyclic cucurbit[n]uril-type receptors: hostÂ·guest recognition properties. Organic and Biomolecular Chemistry, 2019, 17, 5561-5569.	1.5	8
29	Directly Functionalized Cucurbit[7]uril as a Biosensor for the Selective Detection of Protein Interactions by ¹²⁹Xe hyperCESTâ€…NMR. Chemistry - A European Journal, 2019, 25, 6108-6112.	1.7	22
30	Acyclic cucurbit[n]urils capped with alkylene linkers: synthesis and molecular recognition properties. Supramolecular Chemistry, 2019, 31, 114-126.	1.5	4
31	Cucurbit[8]urilâ€¢guest complexes: blinded dataset for the SAMPL6 challenge. Supramolecular Chemistry, 2019, 31, 150-158.	1.5	18
32	Shapeâ€Controllable and Fluorescent Supramolecular Organic Frameworks Through Aqueous Hostâ€“Guest Complexation. Angewandte Chemie, 2018, 130, 737-741.	1.6	31
33	Shapeâ€Controllable and Fluorescent Supramolecular Organic Frameworks Through Aqueous Hostâ€“Guest Complexation. Angewandte Chemie - International Edition, 2018, 57, 729-733.	7.2	161
34	Acyclic Cucurbit[n]urilâ€type Receptors: Preparation, Molecular Recognition Properties and Biological Applications. Israel Journal of Chemistry, 2018, 58, 250-263.	1.0	61
35	Overview of the SAMPL6 hostâ€“guest binding affinity prediction challenge. Journal of Computer-Aided Molecular Design, 2018, 32, 937-963.	1.3	106
36	Adamantane/Cucurbituril: A Potential Pretargeted Imaging Strategy in Immuno-PET. Molecular Imaging, 2018, 17, 153601211879983.	0.7	15

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37	Hybrid Molecular Container Based on Glycoluril and Triptycene: Synthesis, Binding Properties, and Triggered Release. Chemistry - A European Journal, 2018, 24, 13987-13987.	1.7	0
38	Hybrid Molecular Container Based on Glycoluril and Triptycene: Synthesis, Binding Properties, and Triggered Release. Chemistry - A European Journal, 2018, 24, 14101-14110.	1.7	13
39	Metal Organic Polyhedra: A Clickâ€andâ€Clack Approach Toward Targeted Delivery. Helvetica Chimica Acta, 2018, 101, e1800057.	1.0	20
40	Blurring the Lines between Host and Guest: A Chimeric Receptor Derived from Cucurbituril and Triptycene. Angewandte Chemie - International Edition, 2018, 57, 8073-8078.	7.2	19
41	Blurring the Lines between Host and Guest: A Chimeric Receptor Derived from Cucurbituril and Triptycene. Angewandte Chemie, 2018, 130, 8205-8210.	1.6	6
42	A glycoluril dimerâ€“triptycene hybrid receptor: synthesis and molecular recognition properties. Organic and Biomolecular Chemistry, 2018, 16, 6499-6506.	1.5	8
43	Self-assembly of cucurbit[7]uril based triangular [4]molecular necklaces and their fluorescence properties. Chemical Communications, 2017, 53, 2756-2759.	2.2	19
44	Unraveling the Structureâ€“Affinity Relationship between Cucurbit[n]urils (n = 7, 8) and Cationic Diamondoids. Journal of the American Chemical Society, 2017, 139, 3249-3258.	6.6	66
45	Synthetic mimics of biotin/(strept)avidin. Chemical Society Reviews, 2017, 46, 2391-2403.	18.7	174
46	Cucurbit[7]uril Enables Multi-Stimuli-Responsive Release from the Self-Assembled Hydrophobic Phase of a Metal Organic Polyhedron. Journal of the American Chemical Society, 2017, 139, 9066-9074.	6.6	156
47	Molecular Containers Bind Drugs of Abuse in Vitro and Reverse the Hyperlocomotive Effect of Methamphetamine in Rats. ChemBioChem, 2017, 18, 1583-1588.	1.3	54
48	Hostâ€“Guest Tethered DNA Transducer: ATP Fueled Release of a Protein Inhibitor from Cucurbit[7]uril. Journal of the American Chemical Society, 2017, 139, 13916-13921.	6.6	72
49	Supramolecular Sensors for Opiates and Their Metabolites. Journal of the American Chemical Society, 2017, 139, 14954-14960.	6.6	76
50	Acyclic Cucurbit[n]urilâ€Type Molecular Containers: Influence of Linker Length on Their Function as Solubilizing Agents. ChemMedChem, 2016, 11, 980-989.	1.6	22
51	Uptake of Hydrocarbons in Aqueous Solution by Encapsulation in Acyclic Cucurbit[n]urilâ€Type Molecular Containers. Angewandte Chemie, 2016, 128, 8208-8212.	1.6	8
52	Uptake of Hydrocarbons in Aqueous Solution by Encapsulation in Acyclic Cucurbit[n]urilâ€Type Molecular Containers. Angewandte Chemie - International Edition, 2016, 55, 8076-8080.	7.2	38
53	Supramolecular PEGylation of biopharmaceuticals. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14189-14194.	3.3	171
54	Cucurbit[7]urilâ€“Tetramethylrhodamine Conjugate for Direct Sensing and Cellular Imaging. Journal of the American Chemical Society, 2016, 138, 16549-16552.	6.6	85

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55	Energy-resolved collision-induced dissociation of non-covalent ions: charge- and guest-dependence of decomplexation reaction efficiencies. Physical Chemistry Chemical Physics, 2016, 18, 12557-12568.	1.3	16
56	Cationic acyclic cucurbit[n]uril-type containers: synthesis and molecular recognition toward nucleotides. Supramolecular Chemistry, 2016, 28, 825-834.	1.5	13
57	Metalâ€“Organic Polyhedron Capped with Cucurbit[8]uril Delivers Doxorubicin to Cancer Cells. Journal of the American Chemical Society, 2016, 138, 14488-14496.	6.6	164
58	A Nexus between Theory and Experiment: Nonâ€Empirical Quantum Mechanical Computational Methodology Applied to Cucurbit[n]urilâ‹…Guest Binding Interactions. Chemistry - A European Journal, 2016, 22, 17226-17238.	1.7	29
59	Glycolurilâ€Derived Molecular Clips are Potent and Selective Receptors for Cationic Dyes in Water. Chemistry - A European Journal, 2016, 22, 15270-15279.	1.7	32
60	Frontispiece: Glycolurilâ€Derived Molecular Clips are Potent and Selective Receptors for Cationic Dyes in Water. Chemistry - A European Journal, 2016, 22, .	1.7	0
61	From Packed â€œSandwichâ€•to â€œRussian Dollâ€• Assembly by Charge-Transfer Interactions in Cucurbit[10]uril. Chemistry - A European Journal, 2016, 22, 17493-17493.	1.7	2
62	From Packed â€œSandwichâ€•to â€œRussian Dollâ€• Assembly by Chargeâ€Transfer Interactions in Cucurbit[10]uril. Chemistry - A European Journal, 2016, 22, 17612-17618.	1.7	50
63	A Novel Strategy to Reverse General Anesthesia by Scavenging with the Acyclic Cucurbit[n]uril-type Molecular Container Calabadion 2. Anesthesiology, 2016, 125, 333-345.	1.3	31
64	Predictive recognition of native proteins by cucurbit[7]uril in a complex mixture. Chemical Communications, 2016, 52, 8537-8540.	2.2	65
65	Acyclic Cucurbit[n]uril-Type Molecular Container Enables Systemic Delivery of Effective Doses of Albendazole for Treatment of SK-OV-3 Xenograft Tumors. Molecular Pharmaceutics, 2016, 13, 809-818.	2.3	49
66	In Vitro selectivity of an acyclic cucurbit[n]uril molecular container towards neuromuscular blocking agents relative to commonly used drugs. Organic and Biomolecular Chemistry, 2016, 14, 1277-1287.	1.5	29
67	Steric hindrance to the syntheses and stabilities of 1,5- and 2,6-naphthalene N-permethylated diammonium salts. Tetrahedron, 2016, 72, 1541-1546.	1.0	7
68	Comparative Effectiveness of Calabadion and Sugammadex to Reverse Non-depolarizing Neuromuscular-blocking Agents. Anesthesiology, 2015, 123, 1337-1349.	1.3	71
69	Acyclic cucurbit[n]uril-type molecular containers: influence of glycoluril oligomer length on their function as solubilizing agents. Organic and Biomolecular Chemistry, 2015, 13, 4041-4050.	1.5	52
70	Hydrophobic monofunctionalized cucurbit[7]uril undergoes self-inclusion complexation and forms vesicle-type assemblies. Chemical Communications, 2015, 51, 3762-3765.	2.2	28
71	Dimeric packing of molecular clips induced by interactions between Ï€-systems. CrystEngComm, 2015, 17, 2486-2495.	1.3	6
72	Synthesis and Recognition Properties of Enantiomerically Pure Acyclic Cucurbit[n]uril-Type Molecular Containers. Organic Letters, 2015, 17, 4038-4041.	2.4	13

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73	Influence of hydrophobic residues on the binding of CB[7] toward diammonium ions of common ammoniumâ‹¯ammonium distance. Organic and Biomolecular Chemistry, 2015, 13, 6249-6254.	1.5	18
74	Synthesis and Recognition Properties of Cucurbit[8]uril Derivatives. Organic Letters, 2015, 17, 5068-5071.	2.4	33
75	Differentially functionalized acyclic cucurbiturils: synthesis, self-assembly and CB[6]-induced allosteric guest binding. Chemical Communications, 2015, 51, 14620-14623.	2.2	19
76	Acyclic Cucurbit[n]uril Dendrimers. Organic Letters, 2015, 17, 5914-5917.	2.4	4
77	Photoinduced guest transformation promotes translocation of guest from hydroxypropyl-Î²-cyclodextrin to cucurbit[7]uril. Chemical Communications, 2015, 51, 1349-1352.	2.2	14
78	Synthesis of a disulfonated derivative of cucurbit[7]uril and investigations of its ability to solubilise insoluble drugs. Supramolecular Chemistry, 2015, 27, 288-297.	1.5	16
79	Absolute and relative binding affinity of cucurbit[7]uril towards a series of cationic guests. Supramolecular Chemistry, 2014, 26, 251-258.	1.5	50
80	Acyclic Cucurbit[n]uril-type Molecular Containers: Influence of Aromatic Walls on their Function as Solubilizing Excipients for Insoluble Drugs. Journal of Medicinal Chemistry, 2014, 57, 9554-9563.	2.9	94
81	2,5-Dioxopyrrolidin-1-yl 2-methylprop-2-enoate. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o446-o446.	0.2	0
82	Cucurbit[7]urilâ‹…Guest Pair with an Attomolar Dissociation Constant. Angewandte Chemie - International Edition, 2014, 53, 988-993.	7.2	356
83	Stimuli Responsive Systems Constructed Using Cucurbit[n]uril-Type Molecular Containers. Accounts of Chemical Research, 2014, 47, 2052-2062.	7.6	431
84	â€œTurn-onâ€•fluorescent sensor array for basic amino acids in water. Chemical Communications, 2014, 50, 61-63.	2.2	122
85	Cucurbit[6]urilâ€“cucurbit[7]uril heterodimer promotes controlled self-assembly of supramolecular networks and supramolecular micelles by self-sorting of amphiphilic guests. Chemical Communications, 2014, 50, 14756-14759.	2.2	18
86	Mesoporous Silica Nanoparticles Coated by Layer-by-Layer Self-assembly Using Cucurbit[7]uril for in Vitro and in Vivo Anticancer Drug Release. Chemistry of Materials, 2014, 26, 6418-6431.	3.2	183
87	The ex vivo neurotoxic, myotoxic and cardiotoxic activity of cucurbituril-based macrocyclic drug delivery vehicles. Toxicology Research, 2014, 3, 447-455.	0.9	100
88	Cucurbit[6]uril dimer induces supramolecular polymerisation of a cationic polyethylene glycol derivative. Supramolecular Chemistry, 2014, 26, 157-167.	1.5	6
89	New Small-Molecule Inhibitors Effectively Blocking Picornavirus Replication. Journal of Virology, 2014, 88, 11091-11107.	1.5	46
90	Acyclic CB[n]-type molecular containers: effect of solubilizing group on their function as solubilizing excipients. Organic and Biomolecular Chemistry, 2014, 12, 2413-2422.	1.5	47

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91	Guest Editorial: Responsive Hostâ€“Guest Systems. Accounts of Chemical Research, 2014, 47, 1923-1924.	7.6	39
92	Design, Synthesis, and Xâ€ray Structural Analyses of Diamantane Diammonium Salts: Guests for Cucurbit[n]uril (CB[n]) Hosts. European Journal of Organic Chemistry, 2014, 2014, 2533-2542.	1.2	22
93	Calabadion. Survey of Anesthesiology, 2014, 58, 47.	0.1	1
94	Homotropic Allosterism: Inâ€Depth Structural Analysis of the Gasâ€Phase Noncovalent Complexes Associating a Doubleâ€Cavity Cucurbit[n]urilâ€Type Host and Sizeâ€Selected Protonated Amino Compounds. ChemPlusChem, 2013, 78, 959-969.	1.3	16
95	Cucurbit[7]uril Containers for Targeted Delivery of Oxaliplatin to Cancer Cells. Angewandte Chemie - International Edition, 2013, 52, 12033-12037.	7.2	149
96	Multianalyte Sensing of Addictive Over-the-Counter (OTC) Drugs. Journal of the American Chemical Society, 2013, 135, 15238-15243.	6.6	116
97	Supramolecular Ladders from Dimeric Cucurbit[6]uril. Angewandte Chemie - International Edition, 2013, 52, 3690-3694.	7.2	58
98	Calabadion. Anesthesiology, 2013, 119, 317-325.	1.3	74
99	Cucurbit[7]uril Containers for Targeted Delivery of Oxaliplatin to Cancer Cells. Angewandte Chemie, 2013, 125, 12255-12259.	1.6	13
100	Acyclic cucurbituril congener binds to local anaesthetics. Supramolecular Chemistry, 2012, 24, 325-332.	1.5	25
101	Supramolecular Sensor for Cancer-Associated Nitrosamines. Journal of the American Chemical Society, 2012, 134, 20021-20024.	6.6	143
102	Daisy Chain Assembly Formed from a Cucurbit[6]uril Derivative. Organic Letters, 2012, 14, 3072-3075.	2.4	82
103	Acyclic Cucurbit[n]urilâ€Type Molecular Containers Bind Neuromuscular Blocking Agents Inâ€...Vitro and Reverse Neuromuscular Block Inâ€...Vivo. Angewandte Chemie - International Edition, 2012, 51, 11358-11362.	7.2	138
104	Metastable single-chain polymer nanoparticles prepared by dynamic cross-linking with nor-seco-cucurbit[10]uril. Chemical Science, 2012, 3, 2278.	3.7	74
105	Acyclic Cucurbit[n]uril Molecular Containers Selectively Solubilize Single-Walled Carbon Nanotubes in Water. Journal of the American Chemical Society, 2012, 134, 7254-7257.	6.6	54
106	Synthesis and Self-Assembly Processes of Monofunctionalized Cucurbit[7]uril. Journal of the American Chemical Society, 2012, 134, 13133-13140.	6.6	212
107	Acyclic cucurbit[n]uril molecular containers enhance the solubility and bioactivity of poorly soluble pharmaceuticals. Nature Chemistry, 2012, 4, 503-510.	6.6	372
108	Self-assembly of a ternary architecture driven by cooperative Hg2+ ion binding between cucurbit[7]uril and crown ether macrocyclic hosts. Chemical Communications, 2012, 48, 7256.	2.2	27

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109	Blind prediction of hostâ€“guest binding affinities: a new SAMPL3 challenge. Journal of Computer-Aided Molecular Design, 2012, 26, 475-487.	1.3	117
110	Approaches to drug delivery based on the principles of supramolecular chemistry. Advanced Drug Delivery Reviews, 2012, 64, 763.	6.6	7
111	A clipped [3]rotaxane derived from bis-nor-seco-cucurbit[10]uril. Chemical Communications, 2011, 47, 9420.	2.2	42
112	Reassembly self-sorting triggered by heterodimerization. Chemical Communications, 2011, 47, 8548.	2.2	18
113	Recognition Properties of Acyclic Glycoluril Oligomers. Organic Letters, 2011, 13, 4112-4115.	2.4	28
114	The Mechanism of Cucurbituril Formation. Israel Journal of Chemistry, 2011, 51, 578-591.	1.0	44
115	Templated Synthesis of Glycoluril Hexamer and Monofunctionalized Cucurbit[6]uril Derivatives. Journal of the American Chemical Society, 2011, 133, 17966-17976.	6.6	159
116	Biological Catalysis Regulated by Cucurbit[7]uril Molecular Containers. Journal of the American Chemical Society, 2010, 132, 4445-4454.	6.6	117
117	Deconvolution of a multi-component interaction network using systems chemistry. Journal of Systems Chemistry, 2010, 1, .	1.7	14
118	Recognition-mediated activation of therapeutic gold nanoparticles inside living cells. Nature Chemistry, 2010, 2, 962-966.	6.6	295
119	Toxicology and Drug Delivery by Cucurbit[n]uril Type Molecular Containers. PLoS ONE, 2010, 5, e10514.	1.1	224
120	Polymer deaggregation and assembly controlled by a double cavity cucurbituril. Supramolecular Chemistry, 2010, 22, 683-690.	1.5	21
121	Acyclic Cucurbit[n]uril Congeners Are High Affinity Hosts. Journal of Organic Chemistry, 2010, 75, 4786-4795.	1.7	119
122	Reasons Why Aldehydes Do Not Generally Participate in Cucurbit[n]uril Forming Reactions. Journal of Organic Chemistry, 2010, 75, 2934-2941.	1.7	19
123	Nanotubular non-covalent macrocycle within non-covalent macrocycle assembly: (MeOH)12 encapsulated in a molecular clip cyclododecamer. Chemical Communications, 2010, 46, 4508.	2.2	8
124	Sensor for Nitrophenol Based on a Fluorescent Molecular Clip. Organic Letters, 2009, 11, 2603-2606.	2.4	27
125	Cucurbit[7]uril Complexation Drives Thermal transâ€“cisâ€Azobenzene Isomerization and Enables Colorimetric Amine Detection. Chemistry - A European Journal, 2009, 15, 11675-11680.	1.7	98
126	Toward supramolecular polymers incorporating double cavity cucurbituril hosts. Tetrahedron, 2009, 65, 7249-7258.	1.0	54

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127	Cucurbit[7]uril Complexes of Crown-Ether Derived Styryl and (Bis)styryl Dyes. Journal of Physical Chemistry B, 2009, 113, 10149-10158.	1.2	32
128	Metal-Ion-Induced Folding and Dimerization of a Glycoluril Decamer in Water. Organic Letters, 2009, 11, 3918-3921.	2.4	30
129	Supramolecular Rhombic Grids Formed from Bimolecular Building Blocks. Journal of the American Chemical Society, 2009, 131, 11695-11697.	6.6	27
130	Cucurbit[n]urilâ^'Polyoxoanion Hybrids. Journal of the American Chemical Society, 2009, 131, 432-433.	6.6	154
131	Cucurbit[n]urils: from mechanism to structure and function. Chemical Communications, 2009, , 619-629.	2.2	381
132	Ternary Complexes Comprising Cucurbit[10]uril, Porphyrins, and Guests. Angewandte Chemie - International Edition, 2008, 47, 2657-2660.	7.2	97
133	Diphenylglycoluril as a novel ligand architecture for dirhodium(II) carboxamidates. Inorganica Chimica Acta, 2008, 361, 3309-3314.	1.2	11
134	Folding of Long-Chain Alkanediammonium Ions Promoted by a Cucurbituril Derivative. Organic Letters, 2008, 10, 2577-2580.	2.4	63
135	Cucurbit[n]uril Formation Proceeds by Step-Growth Cyclo-oligomerization. Journal of the American Chemical Society, 2008, 130, 8446-8454.	6.6	98
136	Tetrameric molecular bowl assembled from glycoluril building blocks. Chemical Communications, 2008, , 3133.	2.2	13
137	Self-Sorting Molecular Clips. Journal of Organic Chemistry, 2008, 73, 5915-5925.	1.7	67
138	Cucurbit[8]uril Controls the Folding of Cationic Diaryl Ureas in Water. Supramolecular Chemistry, 2008, 20, 191-199.	1.5	13
139	Cucurbit[6]urilp-xylylenediammonium diiodide decahydrate inclusion complex. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1321-o1322.	0.2	10
140	A synthetic host-guest system achieves avidin-biotin affinity by overcoming enthalpyâ€“entropy compensation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20737-20742.	3.3	534
141	Mechanism of the Conversion of Inverted CB[6] to CB[6]. Journal of Organic Chemistry, 2007, 72, 6840-6847.	1.7	40
142	Reconfigurable Four-Component Molecular Switch Based on pH-Controlled Guest Swapping. Organic Letters, 2007, 9, 2349-2352.	2.4	50
143	Refolding Foldamers:Â Triazene-Arylene Oligomers That Change Shape with Chemical Stimuli. Journal of the American Chemical Society, 2007, 129, 11232-11241.	6.6	58
144	Chiral Molecular Clips Control Orthogonal Crystalline Organization. Organic Letters, 2007, 9, 1899-1902.	2.4	35

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145	Chiral Recognition inside a Chiral Cucurbituril. Angewandte Chemie - International Edition, 2007, 46, 7425-7427.	7.2	131
146	Cucurbit[6]urilp-phenylenediammonium diiodide decahydrate inclusion complex. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o1060-o1062.	0.2	7
147	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
148	Molecular-Recognition Properties of a Water-Soluble Cucurbit[6]uril Analogue. Journal of Organic Chemistry, 2006, 71, 1181-1190.	1.7	92
149	Magnetic Iron Oxide Nanoparticles for Biorecognition:Â Evaluation of Surface Coverage and Activity. Journal of Physical Chemistry B, 2006, 110, 1553-1558.	1.2	121
150	Substituent Effects Control the Self-Association of Molecular Clips in the Crystalline State. Journal of Organic Chemistry, 2006, 71, 4502-4508.	1.7	61
151	Nor-Seco-Cucurbit[10]uril Exhibits Homotropic Allosterism. Journal of the American Chemical Society, 2006, 128, 14744-14745.	6.6	167
152	The Cucurbit[n]uril Family:Â Prime Components for Self-Sorting Systems. Journal of the American Chemical Society, 2005, 127, 15959-15967.	6.6	786
153	The Cucurbit[n]uril Family. Angewandte Chemie - International Edition, 2005, 44, 4844-4870.	7.2	2,218
154	The Cucurbit[n]uril Family. ChemInform, 2005, 36, no.	0.1	2
155	Cucurbit[10]uril. Journal of the American Chemical Society, 2005, 127, 16798-16799.	6.6	298
156	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
157	Cucurbit[n]uril Analogues:Â Synthetic and Mechanistic Studies. Journal of Organic Chemistry, 2005, 70, 10381-10392.	1.7	83
158	The Inverted Cucurbit[n]uril Family. Journal of the American Chemical Society, 2005, 127, 18000-18001.	6.6	162
159	A Cucurbit[6]uril Analogue:Â Host Properties Monitored by Fluorescence Spectroscopy. Journal of Physical Chemistry B, 2005, 109, 7686-7691.	1.2	81
160	A DMSO-capped dimeric glycoluril derivative. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1814-o1816.	0.2	1
161	Social Self-Sorting in Aqueous Solution.. ChemInform, 2004, 35, no.	0.1	0
162	Social Self-Sorting in Aqueous Solution. Journal of Organic Chemistry, 2004, 69, 6157-6164.	1.7	184

#	Article	IF	Citations
163	Molecular Clips Form Isostructural Dimeric Aggregates from Benzene to Water. Journal of the American Chemical Society, 2004, 126, 10035-10043.	6.6	62
164	Cucurbit[n]uril Analogues. Organic Letters, 2003, 5, 3745-3747.	2.4	108
165	Acyclic Congener of Cucurbituril: Synthesis and Recognition Properties.. ChemInform, 2003, 34, no.	0.1	0
166	Preparation of glycoluril monomers for expanded cucurbit[n]uril synthesis. Tetrahedron, 2003, 59, 1961-1970.	1.0	56
167	Glycoluril diamide dihydrate. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o1927-o1929.	0.2	0
168	Acyclic Congener of Cucurbituril:Â Synthesis and Recognition Properties. Journal of Organic Chemistry, 2003, 68, 6184-6191.	1.7	61
169	Self-Sorting:â€‰ The Exception or the Rule?. Journal of the American Chemical Society, 2003, 125, 4831-4835.	6.6	425
170	Methylene-Bridged Glycoluril Dimers:Â Synthetic Methods. Journal of Organic Chemistry, 2002, 67, 5817-5830.	1.7	102
171	Enantiomeric Self-Recognition of a Facial Amphiphile Triggered by [{Pd(ONO2)(en)}2] We thank the NIH (GM61854) and the University of Maryland for generous financial support. We thank Professor Dorothy Beckett and Dr. Peter Schuck for assistance with the analytical ultracentrifuge and Professor Sandra Greer for access to the density meter. L.I. is a Cottrell Scholar of Research Corporation, en=1,2-ethylenediamine. Angewandte Chemie, 2002, 114, 1985.	1.6	13
172	Molecular Clips that Undergo Heterochiral Aggregation and Self-Sorting. Angewandte Chemie, 2002, 114, 4200-4203.	1.6	27
173	Enantiomeric Self-Recognition of a Facial Amphiphile Triggered by [{Pd(ONO2)(en)}2] We thank the NIH (GM61854) and the University of Maryland for generous financial support. We thank Professor Dorothy Beckett and Dr. Peter Schuck for assistance with the analytical ultracentrifuge and Professor Sandra Greer for access to the density meter. L.I. is a Cottrell Scholar of Research Corporation, en=1,2-ethylenediamine. Angewandte Chemie - International Edition, 2002, 41, 1905.	7.2	35
174	Molecular Clips that Undergo Heterochiral Aggregation and Self-Sorting. Angewandte Chemie - International Edition, 2002, 41, 4028-4031.	7.2	111
175	Glycoluril derivatives form hydrogen bonded tapes rather than cucurbit[n]uril congeners. Tetrahedron, 2002, 58, 9769-9777.	1.0	69
176	Diastereoselective Formation of Glycoluril Dimers:Â Isomerization Mechanism and Implications for Cucurbit[n]uril Synthesis. Journal of the American Chemical Society, 2002, 124, 8297-8306.	6.6	91
177	Enantiomeric self-recognition of a facial amphiphile triggered by [{Pd(ONO2)(en)}2]. Angewandte Chemie - International Edition, 2002, 41, 1905-7.	7.2	4
178	Self-Association of Facially Amphiphilic Methylene Bridged Glycoluril Dimers. Organic Letters, 2001, 3, 3221-3224.	2.4	35
179	A structurally biased combinatorial approach for discovering new anti-picornaviral compounds. Chemistry and Biology, 2001, 8, 33-45.	6.2	20
180	Diastereoselective Formation of Methylene-Bridged Glycoluril Dimers. Organic Letters, 2000, 2, 755-758.	2.4	53

#	Article	IF	Citations
181	A Strategy for the Generation of Surfaces Presenting Ligands for Studies of Binding Based on an Active Ester as a Common Reactive Intermediate:ÂA Surface Plasmon Resonance Study. Analytical Chemistry, 1999, 71, 777-790.	3.2	582
182	Design, synthesis and self-association behavior of water soluble self complementary facial amphiphiles. Chemical Communications, 1999, , 2549-2550.	2.2	16
183	Biospecific Binding of Carbonic Anhydrase to Mixed SAMs Presenting Benzenesulfonamide Ligands:Â A Model System for Studying Lateral Steric Effects. Langmuir, 1999, 15, 7186-7198.	1.6	130
184	PropriÃ©tÃ©s rÃ©dox de fullerÃ¨nes fonctionnalisÃ©s. Canadian Journal of Chemical Engineering, 1998, 76, 1008-1012.	0.9	5
185	Stereoelectronic Effects on Product Formation from theE- andZ-Isomers of Î·1,Î·3-Vinyl Carbene Complexed Intermediates in the Reactions of Fischer Carbene Complexes with Alkynes. Organometallics, 1998, 17, 4298-4308.	1.1	38
186	A Trivalent System from VancomycinÂ·D-Ala-D-Ala with Higher Affinity Than AvidinÂ·Biotin. Science, 1998, 280, 708-711.	6.0	323
187	Self-Assembly of Zinc Porphyrins around the Periphery of Hydrogen-Bonded Aggregates That Bear Imidazole Groups. Journal of Organic Chemistry, 1997, 62, 8994-9000.	1.7	37
188	Formation of Protein Charge Ladders by Acylation of Amino Groups on Proteins. Journal of the American Chemical Society, 1997, 119, 12701-12709.	6.6	64
189	Multiple Adducts of C60 by Tether-Directed Remote Functionalization and synthesis of soluble derivatives of new carbon allotropes Cn(60+5). Helvetica Chimica Acta, 1997, 80, 317-342.	1.0	90
190	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. Helvetica Chimica Acta, 1997, 80, 343-371.	1.0	120
191	Ï€â€Electron Ringâ€Current Effects in Multiple Adducts of ³He@C₆₀ and ³He@C₇₀: A ³He NMR Study. Chemistry - A European Journal, 1997, 3, 1071-1076.	1.7	40
192	Regiospecific templated synthesis of D 2h-symmetrical tetrakis-adduct C64(COOEt)8 by reversible tether-directed remote functionalization of C60. Chemical Communications, 1996, , 797.	2.2	33
193	The X-Ray Crystal Structure and Packing of a Hexakis-adduct of C60: Temperature dependence of weak C?H?O interactions. Helvetica Chimica Acta, 1996, 79, 1047-1058.	1.0	49
194	LÃ¶sliche Derivate von C₁₉₅ und C₂₆₀: die ersten Verbindungen einer neuen Klasse von Kohlenstoffallotropen C_{n(60 + 5)}. Angewandte Chemie, 1995, 107, 1636-1639.	1.6	44
195	Synthesis of a Fullerene[60] Cryptate and Systematic Langmuirâ€Blodgett and Thinâ€Film Investigations of Amphiphilic Fullerene Derivatives. Chemistry - A European Journal, 1995, 1, 243-251.	1.7	94
196	Solubilized Derivatives of C195 and C260: The First Members of a New Class of Carbon Allotropes Cn(60+ 5). Angewandte Chemie International Edition in English, 1995, 34, 1466-1469.	4.4	83
197	Electrochemistry of Mono- through Hexakis-adducts of C60. Helvetica Chimica Acta, 1995, 78, 1334-1344.	1.0	117
198	Tether-Directed Remote Functionalization of Buckminsterfullerene: Regiospecific Hexaadduct Formation. Angewandte Chemie International Edition in English, 1994, 33, 2339-2342.	4.4	203

#	Article	IF	Citations
199	Spacerâ€kontrollierte Fernfunktionalisierung von Buckminsterfulleren: regiospezifische Bildung eines Hexaadduktes. Angewandte Chemie, 1994, 106, 2434-2437.	1.6	82
200	Valence isomerism and rearrangements in methanofullerenes. Journal of the Chemical Society Perkin Transactions II, 1994, , 391.	0.9	74
201	Syntheses, structures, and properties of methanofullerenes. Chemical Society Reviews, 1994, 23, 243.	18.7	274
202	Improved Purification of C60 and Formation of ?- and ?-Homoaromatic methano-bridged fullerenes by reaction with alkyl diazoacetates. Helvetica Chimica Acta, 1993, 76, 1231-1250.	1.0	312
203	Structures and Chemistry of Methanofullerenes: A Versatile Route intoN-[(Methanofullerene)carbonyl]-Substituted Amino Acids. Helvetica Chimica Acta, 1993, 76, 2454-2464.	1.0	144
204	Fullerene formation in sputtering and electron beam evaporation processes. The Journal of Physical Chemistry, 1992, 96, 6866-6869.	2.9	51
205	Alkylations of â€œenolatesâ€•generated from amino carbene complexes of chromium. Tetrahedron Letters, 1989, 30, 4061-4064.	0.7	31