Steven C C Zimmerman

List of Publications by Year
in descending order

197 papers	14,034 citations	16451 64 h-index	22832 112 g-index
209 all docs	209 docs citations	209 times ranked	11116 citing authors

#	Article	IF	Citations
1	Acidâ€Responsive Anticorrosion Microcapsules for Selfâ€Protecting Coatings. Macromolecular Chemistry and Physics, 2022, 223, .	2.2	2
2	Enzyme-like catalysis by single chain nanoparticles that use transition metal cofactors. Chemical Communications, 2022, 58, 985-988.	4.1	9
3	A Selective Alkylating Agent for CTG Repeats in Myotonic Dystrophy Type 1. ACS Chemical Biology, 2022, 17, 1103-1110.	3.4	2
4	Selective and Reversible Ligand Assembly on the DNA and RNA Repeat Sequences in Myotonic Dystrophy. ChemBioChem, 2022, 23, .	2.6	5
5	Electrochemical CO2-to-ethylene conversion on polyamine-incorporated Cu electrodes. Nature Catalysis, 2021, 4, 20-27.	34.4	313
6	CAG RNAs induce DNA damage and apoptosis by silencing NUDT16 expression in polyglutamine degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	17
7	Versatile Target-Guided Screen for Discovering Bidirectional Transcription Inhibitors of a Trinucleotide Repeat Disease. ACS Medicinal Chemistry Letters, 2021, 12, 935-940.	2.8	5
8	A Novel Minor Groove Binder as a Potential Therapeutic Agent for Myotonic Dystrophy Type 1. ChemMedChem, 2021, 16, 2638-2644.	3.2	0
9	A polymeric approach toward resistance-resistant antimicrobial agent with dual-selective mechanisms of action. Science Advances, 2021, 7, .	10.3	50
10	Tandem catalysis using an enzyme and a polymeric ruthenium-based artificial metalloenzyme. Polymer Chemistry, 2021, 12, 6755-6760.	3.9	15
11	Independent control over size, valence, and elemental composition in the synthesis of DNAâ€“nanoparticle conjugates. Chemical Science, 2020, 11, 1564-1572.	7.4	7
12	A Bioorthogonal Small Molecule Selective Polymeric â€œClickaseâ€• Journal of the American Chemical Society, 2020, 142, 13966-13973.	13.7	40
13	Nonionic Surfactant Properties of Amphiphilic Hyperbranched Polyglycerols. Langmuir, 2020, 36, 10103-10109.	3.5	9
14	Construction from destruction using a photo-triggered self-propagating degradable polyurethane as a one-pot epoxy. Polymer Chemistry, 2020, 11, 6215-6220.	3.9	7
15	Expanded DNA and RNA Trinucleotide Repeats in Myotonic Dystrophy Type 1 Select Their Own Multitarget, Sequence-Selective Inhibitors. Biochemistry, 2020, 59, 3463-3472.	2.5	8
16	Structural Basis for Targeting T:T Mismatch with Triaminotriazine-Acridine Conjugate Induces a U-Shaped Head-to-Head Four-Way Junction in CTG Repeat DNA. Journal of the American Chemical Society, 2020, 142, 11165-11172.	13.7	28
17	Single-Chain Nanoparticle Delivers a Partner Enzyme for Concurrent and Tandem Catalysis in Cells. Journal of the American Chemical Society, 2020, 142, 4565-4569.	13.7	76
18	Base-triggered self-amplifying degradable polyurethanes with the ability to translate local stimulation to continuous long-range degradation. Chemical Science, 2020, 11, 3326-3331.	7.4	18

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19	Assessing the feasibility and stability of uracil base flipping in RNAâ€“small molecule complexes using molecular dynamics simulations. Canadian Journal of Chemistry, 2020, 98, 261-269.	1.1	2
20	Intramolecularly Cross-Linked Polymers: From Structure to Function with Applications as Artificial Antibodies and Artificial Enzymes. Accounts of Chemical Research, 2020, 53, 1244-1256.	15.6	100
21	Acid-Triggered, Acid-Generating, and Self-Amplifying Degradable Polymers. Journal of the American Chemical Society, 2019, 141, 2838-2842.	13.7	43
22	Polymeric â€œClickaseâ€•Accelerates the Copper Click Reaction of Small Molecules, Proteins, and Cells. Journal of the American Chemical Society, 2019, 141, 9693-9700.	13.7	84
23	Development of novel macrocyclic small molecules that target CTG trinucleotide repeats. Bioorganic and Medicinal Chemistry, 2019, 27, 2978-2984.	3.0	11
24	Intrinsically cell-penetrating multivalent and multitargeting ligands for myotonic dystrophy type 1. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8709-8714.	7.1	39
25	AQAMAN, a bisamidine-based inhibitor of toxic protein inclusions in neurons, ameliorates cytotoxicity in polyglutamine disease models. Journal of Biological Chemistry, 2019, 294, 2757-5526.	3.4	10
26	Structure of an RNA helix with pyrimidine mismatches and cross-strand stacking. Acta Crystallographica Section F, Structural Biology Communications, 2019, 75, 652-656.	0.8	4
27	Engineering the Surface of Therapeutic â€œLivingâ€•Cells. Chemical Reviews, 2018, 118, 1664-1690.	47.7	93
28	Designed transition metal catalysts for intracellular organic synthesis. Chemical Society Reviews, 2018, 47, 1811-1821.	38.1	126
29	Linear dendronized polyols as a multifunctional platform for a versatile and efficient fluorophore design. Polymer Chemistry, 2018, 9, 2040-2047.	3.9	10
30	Enzyme-like Click Catalysis by a Copper-Containing Single-Chain Nanoparticle. Journal of the American Chemical Society, 2018, 140, 13695-13702.	13.7	100
31	pH-Triggered Release from Polyamide Microcapsules Prepared by Interfacial Polymerization of a Simple Diester Monomer. ACS Macro Letters, 2017, 6, 321-325.	4.8	33
32	Patterning Three-Dimensional Hydrogel Microenvironments Using Hyperbranched Polyglycerols for Independent Control of Mesh Size and Stiffness. Biomacromolecules, 2017, 18, 1393-1400.	5.4	30
33	Bottom-Up Strategy To Prepare Nanoparticles with a Single DNA Strand. Journal of the American Chemical Society, 2017, 139, 3623-3626.	13.7	30
34	Proton transfer dynamics dictate quinone speciation at lipid-modified electrodes. Physical Chemistry Chemical Physics, 2017, 19, 7086-7093.	2.8	12
35	Worm-Like Superparamagnetic Nanoparticle Clusters for Enhanced Adhesion and Magnetic Resonance Relaxivity. ACS Applied Materials & Interfaces, 2017, 9, 1219-1225.	8.0	14
36	Building a Modern Chemistry Undergraduate Program at Hanoi University of Science-Vietnam National University: A Vietnamâ^'U.S. Partnership. ACS Symposium Series, 2017, , 15-32.	0.5	1

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37	A journey in bioinspired supramolecular chemistry: from molecular tweezers to small molecules that target myotonic dystrophy. Beilstein Journal of Organic Chemistry, 2016, 12, 125-138.	2.2	26
38	Supramolecular chemistry at the interface of biology, materials and medicine. Beilstein Journal of Organic Chemistry, 2016, 12, 1101-1102.	2.2	1
39	A Potent Inhibitor of Protein Sequestration by Expanded Triplet (CUG) Repeats that Shows Phenotypic Improvements in a Drosophila Model of Myotonic Dystrophy. ChemMedChem, 2016, 11, 1428-1435.	3.2	36
40	Synthesis and Conjugation of Alkyneâ€Functional Hyperbranched Polyglycerols. Macromolecular Chemistry and Physics, 2016, 217, 2252-2261.	2.2	9
41	Proton transfer dynamics control the mechanismÂof O2 reduction by a non-precious metalÂelectrocatalyst. Nature Materials, 2016, 15, 754-759.	27.5	126
42	A Highly Efficient Single-Chain Metalâ€“Organic Nanoparticle Catalyst for Alkyneâ€“Azide â€œClickâ€• Reactions in Water and in Cells. Journal of the American Chemical Society, 2016, 138, 11077-11080.	13.7	190
43	The Flip-Flop Diffusion Mechanism across Lipids in a Hybrid Bilayer Membrane. Biophysical Journal, 2016, 110, 2451-2462.	0.5	23
44	Integrating Display and Delivery Functionality with a Cell Penetrating Peptide Mimic as a Scaffold for Intracellular Multivalent Multitargeting. Journal of the American Chemical Society, 2016, 138, 9498-9507.	13.7	26
45	Crosslinked dendronized polyols as a general approach to brighter and more stable fluorophores. Chemical Communications, 2016, 52, 3781-3784.	4.1	31
46	Self-Assembling Amphiphilic Hyperbranched Polyglycerol-Polystyrene Copolymers for Encapsulation. Macromolecular Chemistry and Physics, 2015, 216, 1729-1736.	2.2	5
47	A double supramolecular crosslinked polymer gel exhibiting macroscale expansion and contraction behavior and multistimuli responsiveness. Polymer Chemistry, 2015, 6, 1912-1917.	3.9	56
48	Anion Transport through Lipids in a Hybrid Bilayer Membrane. Analytical Chemistry, 2015, 87, 2403-2409.	6.5	22
49	Hydrophilic packaging of iron oxide nanoclusters for highly sensitive imaging. Biomaterials, 2015, 69, 184-190.	11.4	29
50	Water-Soluble Polyglycerol Dendrimers with Two Orthogonally Reactive Core Functional Groups for One-Pot Functionalization. Macromolecules, 2015, 48, 2504-2508.	4.8	11
51	New Frontiers for Encapsulation in the Chemical Industry. ACS Applied Materials & Interfaces, 2015, 7, 6359-6368.	8.0	62
52	Trigger Chemistries for Better Industrial Formulations. ACS Applied Materials & Interfaces, 2015, 7, 6369-6382.	8.0	58
53	Photoresponsive Molecular Switch for Regulating Transmembrane Proton-Transfer Kinetics. Journal of the American Chemical Society, 2015, 137, 14059-14062.	13.7	29
54	Rationally Designed Small Molecules That Target Both the DNA and RNA Causing Myotonic Dystrophy Type 1. Journal of the American Chemical Society, 2015, 137, 14180-14189.	13.7	106

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55	Chemical Control over Cellular Uptake of Organic Nanoparticles by Fine Tuning Surface Functional Groups. ACS Nano, 2015, 9, 10227-10236.	14.6	47
56	Proton switch for modulating oxygen reduction by a copper electrocatalyst embedded in a hybrid bilayer membrane. Nature Materials, 2014, 13, 619-623.	27.5	51
57	Isaiah Shavitt: Computational chemistry pioneer. Theoretical Chemistry Accounts, 2014, 133, 1.	1.4	1
58	Polymer self-assembly: a web themed issue. Chemical Communications, 2014, 50, 13415-13416.	4.1	7
59	Targeting Toxic RNAs that Cause Myotonic Dystrophy Type 1 (DM1) with a Bisamidinium Inhibitor. Journal of the American Chemical Society, 2014, 136, 6355-6361.	13.7	91
60	Small Molecules that Target the Toxic RNA in Myotonic Dystrophy Typeâ€...2. ChemMedChem, 2014, 9, 2455-2462.	3.2	21
61	Practical synthesis of water-soluble organic nanoparticles with a single reactive group and a functional carrier scaffold. Chemical Science, 2014, 5, 2862-2868.	7.4	63
62	Hydrogen Bonding Modules for Use in Supramolecular Polymers. Israel Journal of Chemistry, 2013, 53, 511-520.	2.3	78
63	Supramolecular Chemistry for Biology, Materials and Medicine. Israel Journal of Chemistry, 2013, 53, 495-496.	2.3	0
64	A Polymeric Fastener Can Easily Functionalize Liposome Surfaces with Gadolinium for Enhanced Magnetic Resonance Imaging. ACS Nano, 2013, 7, 9599-9610.	14.6	45
65	Orthogonality in organic, polymer, and supramolecular chemistry: from Merrifield to click chemistry. Chemical Communications, 2013, 49, 1679.	4.1	267
66	High-Affinity DNA Base Analogs as Supramolecular, Nanoscale Promoters of Macroscopic Adhesion. Journal of the American Chemical Society, 2013, 135, 7288-7295.	13.7	84
67	Quadruply Hydrogen Bonding Modules as Highly Selective Nanoscale Adhesive Agents. Organic Letters, 2013, 15, 3506-3509.	4.6	24
68	A dendritic single-molecule fluorescent probe that is monovalent, photostable and minimally blinking. Nature Chemistry, 2013, 5, 692-697.	13.6	112
69	Leukocyte-Mimicking Stem Cell Delivery via in Situ Coating of Cells with a Bioactive Hyperbranched Polyglycerol. Journal of the American Chemical Society, 2013, 135, 8770-8773.	13.7	74
70	Developing Bivalent Ligands to Target CUG Triplet Repeats, the Causative Agent of Myotonic Dystrophy Type 1. Journal of Medicinal Chemistry, 2013, 56, 9471-9481.	6.4	51
71	A Novel CUG^{exp}Â·MBNL1 Inhibitor with Therapeutic Potential for Myotonic Dystrophy Type 1. ACS Chemical Biology, 2013, 8, 1037-1043.	3.4	54
72	Single-molecule study of the CUG repeatâ€“MBNL1 interaction and its inhibition by small molecules. Nucleic Acids Research, 2013, 41, 6687-6697.	14.5	27

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73	Calix[8]arene Functionalized Polyglycerol Nanogels for Encapsulation and Stabilization of Fluorescent Dyes. Materials Research Society Symposia Proceedings, 2012, 1403, 149.	0.1	1
74	Investigating the Binding Mode of an Inhibitor of the MBNL1â‹…RNA Complex in Myotonic Dystrophy Type 1 (DM1) Leads to the Unexpected Discovery of a DNAâ€Selective Binder. ChemBioChem, 2012, 13, 2505-2509.	2.6	17
75	Azobenzene dye-coupled quadruply hydrogen-bonding modules as colorimetric indicators for supramolecular interactions. Beilstein Journal of Organic Chemistry, 2012, 8, 486-495.	2.2	10
76	Synthesis and properties of fluorescent dyes conjugated to hyperbranched polyglycerols. New Journal of Chemistry, 2012, 36, 419-427.	2.8	33
77	Polyglycerolâ€Dendronized Perylenediimides as Stable, Waterâ€Soluble Fluorophores. Advanced Functional Materials, 2012, 22, 3023-3028.	14.9	25
78	Photostability: Polyglycerol-Dendronized Perylenediimides as Stable, Water-Soluble Fluorophores (Adv. Funct. Mater. 14/2012). Advanced Functional Materials, 2012, 22, 3022-3022.	14.9	0
79	Clickable polyglycerol hyperbranched polymers and their application to gold nanoparticles and acid-labile nanocarriers. Chemical Communications, 2011, 47, 1279-1281.	4.1	53
80	Top-down Synthesis of Versatile Polyaspartamide Linkers for Single-Step Protein Conjugation to Materials. Bioconjugate Chemistry, 2011, 22, 2377-2382.	3.6	16
81	Monovalent, Clickable, Uncharged, Water-Soluble Perylenediimide-Cored Dendrimers for Target-Specific Fluorescent Biolabeling. Journal of the American Chemical Society, 2011, 133, 9964-9967.	13.7	124
82	Synthesis of a Redox-Responsive Quadruple Hydrogen-Bonding Unit for Applications in Supramolecular Chemistry. Journal of the American Chemical Society, 2011, 133, 17118-17121.	13.7	104
83	Selective inhibition of MBNL1â€“CCUG interaction by small molecules toward potential therapeutic agents for myotonic dystrophy type 2 (DM2) â€. Nucleic Acids Research, 2011, 39, 8881-8890.	14.5	40
84	Prebiotic Selection of the AT Base-Pair?. ACS Symposium Series, 2010, , 95-107.	0.5	1
85	Direct, Electrocatalytic Oxygen Reduction by Laccase on Anthracene-2-methanethiol-Modified Gold. Journal of Physical Chemistry Letters, 2010, 1, 2251-2254.	4.6	88
86	Room Temperature, Copper-Catalyzed Amination of Bromonaphthyridines with Aqueous Ammonia. Journal of Organic Chemistry, 2010, 75, 4848-4851.	3.2	27
87	Tuning hydrogel properties and function using substituent effects. Soft Matter, 2010, 6, 2150.	2.7	12
88	A simple ligand that selectively targets CUG trinucleotide repeats and inhibits MBNL protein binding. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16068-16073.	7.1	198
89	Switching the selectivity of a polyglycerol dendrimer monomolecularly imprinted with d-(â^')-fructose. Tetrahedron Letters, 2009, 50, 2204-2207.	1.4	8
90	Photoresponsive Crosslinked Hyperbranched Polyglycerols as Smart Nanocarriers for Guest Binding and Controlled Release. Small, 2009, 5, 2199-2204.	10.0	56

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91	Cross-Linked Hyperbranched Polyglycerols as Hosts for Selective Binding of Guest Molecules. Journal of the American Chemical Society, 2009, 131, 10574-10580.	13.7	68
92	Modeling the Equilibria of Complex Supramolecular Systems. Journal of Chemical Education, 2009, 86, 638.	2.3	4
93	Hydrogen-Bonded DeUGÂ·DAN Heterocomplex: Structure and Stability and a Scalable Synthesis of DeUG with Reactive Functionality. Organic Letters, 2009, 11, 61-64.	4.6	38
94	A Route to Waterâ€Soluble Molecularly Templated Nanoparticles Using Click Chemistry and Alkyneâ€Functionalized Hyperbranched Polyglycerol. Israel Journal of Chemistry, 2009, 49, 71-78.	2.3	10
95	Molecular recognition of a thymine bulge by a high affinity, deazaguanine-based hydrogen-bonding ligand. Chemical Communications, 2009, , 668-670.	4.1	34
96	Degradable dendrimers divergently synthesized via click chemistry. Chemical Communications, 2009, , 794.	4.1	30
97	Synthesis of Polyglycerol, Porphyrinâ€Cored Dendrimers Using Click Chemistry. European Journal of Organic Chemistry, 2008, 2008, 3845-3851.	2.4	46
98	Substituted 1,3,5â€Triazaadamantanes: Biocompatible and Degradable Building Blocks. Angewandte Chemie - International Edition, 2008, 47, 8072-8074.	13.8	21
99	Bis-ureidodeazapterin (Bis-DeAP) as a general route to supramolecular star polymers. Tetrahedron, 2008, 64, 8558-8570.	1.9	38
100	Exploring the Reversibility of the Ring-Closing Metathesis Mediated Cross-linking of Dendrimers. Macromolecules, 2007, 40, 8114-8118.	4.8	15
101	Supramolecular Star Polymers. Increased Molecular Weight with Decreased Polydispersity through Self-Assembly. Journal of the American Chemical Society, 2007, 129, 14534-14535.	13.7	110
102	Does the AÂ·T or GÂ·C Base-Pair Possess Enhanced Stability? Quantifying the Effects of CHÂ·Â·Â·O Interactions and Secondary Interactions on Base-Pair Stability Using a Phenomenological Analysis and ab Initio Calculations. Journal of the American Chemical Society, 2007, 129, 934-941.	13.7	126
103	Crossâ€Linked Glycerol Dendrimers and Hyperbranched Polymers as Ionophoric, Organic Nanoparticles Soluble in Water and Organic Solvents. Angewandte Chemie - International Edition, 2007, 46, 8164-8167.	13.8	59
104	A very versatile nanocapsule. Nature Nanotechnology, 2007, 2, 201-202.	31.5	27
105	A Supramolecular Multi-Block Copolymer with a High Propensity for Alternation. Journal of the American Chemical Society, 2006, 128, 13986-13987.	13.7	154
106	Formation of a Miscible Supramolecular Polymer Blend through Self-Assembly Mediated by a Quadruply Hydrogen-Bonded Heterocomplex. Journal of the American Chemical Society, 2006, 128, 11582-11590.	13.7	239
107	Interplay of Fidelity, Binding Strength, and Structure in Supramolecular Polymers. Journal of the American Chemical Society, 2006, 128, 14236-14237.	13.7	86
108	Synthesis and characterization of an electroactive surface that releases Î³-aminobutyric acid (GABA). Journal of Colloid and Interface Science, 2006, 296, 165-177.	9.4	10

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109	Higher Affinity Quadruply Hydrogen-Bonded Complexation with 7-Deazaguanine Urea. Organic Letters, 2006, 8, 1589-1592.	4.6	43
110	Preparation of 2,7-Diamino-1,8-naphthyridine: A Useful Building Block for Supramolecular Chemistry. Synlett, 2005, 2005, 1435-1436.	1.8	1
111	A Quadruply Hydrogen Bonded Heterocomplex Displaying High-Fidelity Recognition. Journal of the American Chemical Society, 2005, 127, 18133-18142.	13.7	131
112	A Highly Stable Quadruply Hydrogen-Bonded Heterocomplex Useful for Supramolecular Polymer Blends. Journal of the American Chemical Society, 2005, 127, 6520-6521.	13.7	209
113	Synthesis of a Soluble Ureido-Naphthyridine Oligomer that Self-Associates via Eight Contiguous Hydrogen Bonds. Organic Letters, 2005, 7, 3005-3008.	4.6	57
114	Fidelity in the supramolecular assembly of triply and quadruply hydrogen-bonded complexes. Israel Journal of Chemistry, 2005, 45, 381-389.	2.3	41
115	Structureâ^'Function Studies on a Synthetic Guanosine Receptor That Simultaneously Binds Watsonâ^'Crick and Hoogsteen Sites. Journal of Organic Chemistry, 2005, 70, 7459-7467.	3.2	19
116	A monomolecularly imprinted dendrimer (MID) capable of selective binding with a tris(2-aminoethyl)amine guest through multiple functional group interactionsElectronic supplementary information (ESI) available: compound characterization data and representative UV-visible binding data with Kassoc plots. See http://www.rsc.org/suppdata/cc/b3/b316248f/. Chemical Communications, 2004, , 488.	4.1	31
117	Performance improvement program for reducing home health care costs in hospice. Journal of Pain and Symptom Management, 2004, 28, 417-419.	1.2	1
118	Synthesis and duplex DNA recognition studies of oligonucleotides containing a ureido isoindolin-1-one homo-N-nucleoside. A comparison of hostâ€"guest and DNA recognition studies. Bioorganic and Medicinal Chemistry, 2004, 12, 1517-1526.	3.0	24
119	Integrating chemosensors for amine-containing compounds into cross-linked dendritic hosts. Tetrahedron, 2004, 60, 11191-11204.	1.9	18
120	Organic Nanoparticles Whose Size and Rigidity Are Finely Tuned by Cross-Linking the End Groups of Dendrimers. Journal of the American Chemical Society, 2004, 126, 11420-11421.	13.7	74
121	With Regard to the Hydrogen Bonding in Complexes of Pyridylureas, Less Is More. A Role for Shape Complementarity and CHÃ·Â·Â·O Interactions?. Organic Letters, 2004, 6, 1649-1652.	4.6	37
122	An ABC Stacking Supramolecular Discotic Columnar Structure Constructed via Hydrogen-Bonded Hexamers. Chemistry of Materials, 2004, 16, 2975-2977.	6.7	35
123	Cross-Linking Dendrimers with Allyl Ether End-Groups Using the Ring-Closing Metathesis Reaction. Journal of Organic Chemistry, 2004, 69, 7363-7366.	3.2	30
124	On the Nature of Dendrimer Cross-Linking by Ring-Closing Metathesis. Journal of the American Chemical Society, 2004, 126, 13576-13577.	13.7	51
125	Synthesis of Nanosized â€œCoredâ€•Star Polymers. Macromolecules, 2004, 37, 778-787.	4.8	75
126	Synthetic hosts via molecular imprintingâ€"are universal synthetic antibodies realistically possible?. Chemical Communications, 2004, , 5-14.	4.1	193

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127	A New Route to Organic Nanotubes from Porphyrin Dendrimers. Angewandte Chemie, 2003, 115, 1153-1158.	2.0	51
128	A New Route to Organic Nanotubes from Porphyrin Dendrimers. Angewandte Chemie - International Edition, 2003, 42, 1121-1126.	13.8	155
129	Kinetics and Thermodynamics of Amine and Diamine Signaling by a Trifluoroacetyl Azobenzene Reporter Group. Organic Letters, 2003, 5, 3127-3130.	4.6	50
130	Cross-Linked Dendrimer Hosts Containing Reporter Groups for Amine Guests. Journal of the American Chemical Society, 2003, 125, 3424-3425.	13.7	169
131	Molecular Imprinting Inside Dendrimers. Journal of the American Chemical Society, 2003, 125, 13504-13518.	13.7	139
132	Discrete and polymeric self-assembled dendrimers: Hydrogen bond-mediated assembly with high stability and high fidelity. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5099-5104.	7.1	170
133	Supramolecular Polymer Chemistry:Â Self-Assembling Dendrimers Using the DDAÂ·AAD (GC-like) Hydrogen Bonding Motif. Journal of the American Chemical Society, 2002, 124, 13757-13769.	13.7	170
134	Synthetic hosts by monomolecular imprinting inside dendrimers. Nature, 2002, 418, 399-403.	27.8	383
135	Supramolecular polymer chemistry: design, synthesis, characterization, and kinetics, thermodynamics, and fidelity of formation of self-assembled dendrimers. Tetrahedron, 2002, 58, 825-843.	1.9	60
136	Complexation-Induced Unfolding of Heterocyclic Ureas. Simple Foldamers Equilibrate with Multiply Hydrogen-Bonded Sheetlike Structures1. Journal of the American Chemical Society, 2001, 123, 10475-10488.	13.7	240
137	Synthesis of Cored Dendrimers with Internal Cross-Links. Angewandte Chemie - International Edition, 2001, 40, 1962-1966.	13.8	65
138	Supramolecular Chemistry of Dendrimers. Topics in Current Chemistry, 2001, , 95-120.	4.0	142
139	Heteroaromatic Modules for Self-Assembly Using Multiple Hydrogen Bonds. Structure and Bonding, 2000, , 63-94.	1.0	243
140	Synthetic Receptors for CG Base Pairs. Organic Letters, 2000, 2, 2931-2934.	4.6	23
141	Complexation-Induced Unfolding of Heterocyclic Ureas:Â A Hydrogen-Bonded, Sheetlike Heterodimer. Journal of the American Chemical Society, 2000, 122, 3779-3780.	13.7	128
142	Molecular Tweezers as Synthetic Receptors: Molecular Recognition of Electron-Deficient Aromatic Substrates by Chemically Bonded Stationary Phases. European Journal of Organic Chemistry, 1999, 1999, 2741-2749.	2.4	42
143	Self-Assembly of 1,3,5-Benzenetricarboxylic (Trimesic) Acid and Its Analogues. Chemistry - A European Journal, 1999, 5, 2537-2547.	3.3	123
144	Synthesis of Cored Dendrimers. Journal of the American Chemical Society, 1999, 121, 1389-1390.	13.7	217

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145	Dendritic Macromolecules: Concepts, Syntheses, Perspectives (Newkome, G. R.; Moorefield, C. N.;) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	4
146	Applications of dendrimers in bio-organic chemistry. Current Opinion in Chemical Biology, 1998, 2, 733-742.	6.1	141
147	Self-Association without Regard to Prototropy. A Heterocycle That Forms Extremely Stable Quadruply Hydrogen-Bonded Dimers. Journal of the American Chemical Society, 1998, 120, 9710-9711.	13.7	257
148	Self-Assembly Mediated by the Donorâ˜Donorâ˜AcceptorÂ·Acceptorâ˜Acceptorâ˜Donor (DDAÂ·AAD) Hydrogen-Bonding Motif:Â Formation of a Robust Hexameric Aggregate. Journal of the American Chemical Society, 1998, 120, 9092-9093.	13.7	116
149	Supramolecular Liquid Crystals. Self-Assembly of a Trimeric Supramolecular Disk and Its Self-Organization into a Columnar Discotic Mesophase. Journal of the American Chemical Society, 1998, 120, 9526-9532.	13.7	251
150	Analysis of Amidinium Guest Complexation by Comparison of Two Classes of Dendrimer Hosts Containing a Hydrogen Bonding Unit at the Core. Journal of the American Chemical Society, 1998, 120, 2172-2173.	13.7	83
151	SANS investigation of self-assembling dendrimers in organic solvents. Journal of Materials Chemistry, 1997, 7, 1221-1226.	6.7	31
152	Dendrimers in Supramolecular Chemistry:â€‰ From Molecular Recognition to Self-Assembly. Chemical Reviews, 1997, 97, 1681-1712.	47.7	1,385
153	Dendrimers in molecular recognition and self-assembly. Current Opinion in Colloid and Interface Science, 1997, 2, 89-99.	7.4	58
154	Dendrimers with anthyridine-based hydrogen-bonding units at their cores: Synthesis, complexation and self-assembly studies. Tetrahedron Letters, 1997, 38, 5459-5462.	1.4	53
155	Rapid Synthesis of Dendrimers by an Orthogonal Coupling Strategy. Journal of the American Chemical Society, 1996, 118, 5326-5327.	13.7	190
156	Self-Assembly of 1,3,5-Benzenetricarboxylic Acids(Trimesic Acids) and Several Analogues in the Solid State. Angewandte Chemie International Edition in English, 1996, 34, 2654-2657.	4.4	275
157	Synthesis of heterocycles containing two cytosine or two guanine base-pairing sites. Novel tectons for self-assembly. Bioorganic and Medicinal Chemistry, 1996, 4, 1107-1112.	3.0	24
158	New supramolecular architectures based on hydrogen bonding. Macromolecular Symposia, 1995, 98, 525-526.	0.7	1
159	Hocheffektive, Ã¼ber WasserstoffbrÃ¼cken bindende Rezeptoren fÃ¼r Guanidinderivate. Angewandte Chemie, 1995, 107, 2321-2324.	2.0	13
160	Vergleich von in LÃ¶sung und mit HPLC bestimmten Bildungsenthalpien Ã¼ber WasserstoffbrÃ¼cken gebundener Wirtâ€Gastâ€Komplexe. Angewandte Chemie, 1995, 107, 2589-2592.	2.0	5
161	Highly Effective Hydrogen-Bonding Receptors for Guanine Derivatives. Angewandte Chemie International Edition in English, 1995, 34, 2163-2165.	4.4	45
162	A Comparison of Enthalpies of Formation in Solution and Enthalpies for HPLC Retention for Hydrogen-Bonded Hostâ€”Guest Complexes. Angewandte Chemie International Edition in English, 1995, 34, 2404-2406.	4.4	23

#	Article	IF	Citations
163	Synthesis of heterocyclic compounds containing three contiguous hydrogen bonding sites in all possible arrangements. Tetrahedron, 1995, 51, 635-648.	1.9	66
164	7-amido-1,8-naphthyridines as hydrogen bonding units for the complexation of guanine derivatives: The role of 2-alkoxyl groups in decreasing binding affinity. Tetrahedron Letters, 1995, 36, 7627-7630.	1.4	37
165	Model Studies Directed toward a General Triplex DNA Recognition Scheme: A Novel DNA Base That Binds a CG Base-Pair in an Organic Solvent. Journal of the American Chemical Society, 1995, 117, 10769-10770.	13.7	48
166	Quantitative Host-Guest Complexation Studies Using Chemically Bonded Stationary Phases. A Comparison of HPLC and Solution Enthalpies. Journal of the American Chemical Society, 1995, 117, 1175-1176.	13.7	44
167	Hydrogen bonded complexes with the AAÂ·DD, AAÂ·DDD, and AAAÂ·DD motifs: The role of three centered (bifurcated) hydrogen bonding. Tetrahedron Letters, 1994, 35, 4077-4080.	1.4	70
168	Convenient synthesis of 2-amino-1,8-naphthyridines, building blocks for host-guest and self-assembling systems. Journal of Organic Chemistry, 1993, 58, 6625-6628.	3.2	64
169	Rigid molecular tweezers as hosts for the complexation of neutral guests. , 1993, , 71-102.		136
170	Controlled molecular aggregation. 1. Cyclic trimerization via hydrogen bonding. Journal of Organic Chemistry, 1992, 57, 2215-2217.	3.2	119
171	Synthetic studies relevant to biosynthetic research on vitamin B12. Part 11. Modification of the east and west building blocks and study of different assembly methods for synthesis of isobacteriochlorins. Journal of the Chemical Society Perkin Transactions 1, 1992, , 2189.	0.9	5
172	New triply hydrogen bonded complexes with highly variable stabilities. Journal of the American Chemical Society, 1992, 114, 4010-4011.	13.7	278
173	Complexation of nucleotide bases by molecular tweezers with active site carboxylic acids: effects of microenvironment. Journal of the American Chemical Society, 1991, 113, 196-201.	13.7	151
174	Synthesis and structure of molecular tweezers containing active site functionality. Journal of the American Chemical Society, 1991, 113, 183-196.	13.7	79
175	Syn and anti-oriented imidazole carboxylates as models for the histidine-aspartate couple in serine proteases and other enzymes. Tetrahedron, 1991, 47, 2649-2660.	1.9	34
176	Molecular Tweezers: Synthetic Receptors for Ï€-Sandwich Complexation of Aromatic Substrates. Bioorganic Chemistry Frontiers, 1991, , 33-71.	1.2	25
177	Kinetic effect of a syn-oriented carboxylate on a proximate imidazole in catalysis: a model for the histidine-aspartate couple in enzymes. Journal of the American Chemical Society, 1990, 112, 3680-3682.	13.7	27
178	Interaction of a macrocyclic bisacridine with DNA. Biochemistry, 1990, 29, 10918-10927.	2.5	39
179	Improved binding of adenine by a synthetic receptor. Journal of Organic Chemistry, 1990, 55, 4789-4791.	3.2	22
180	On the evaluation of a small molecule mimic of chymotrypsin. Tetrahedron Letters, 1989, 30, 4357-4358.	1.4	5

#	Article	IF	Citations
181	Synthesis of 2,4(5)-bis(hydroxymethyl)imidazoles and 2,4(5)-bis[(2-hydroxyethoxy)methyl]imidazoles. Precursors of 2,4(5)-connected imidazole crown ethers. Journal of Organic Chemistry, 1989, 54, 1256-1264.	3.2	20
182	A rigid molecular tweezers with an active site carboxylic acid: exceptionally efficient receptor for adenine in an organic solvent. Journal of the American Chemical Society, 1989, 111, 8054-8055.	13.7	124
183	Highly efficient complexation of a .pi.-acceptor by a molecular tweezer containing two .pi.-donors: the role of preorganization. Journal of the American Chemical Society, 1989, 111, 8528-8530.	13.7	75
184	Rigid molecular tweezers: preorganized hosts for electron donor-acceptor complexation in organic solvents. Journal of the American Chemical Society, 1989, 111, 1373-1381.	13.7	146
185	Topologically constrained bifunctional intercalators: DNA intercalation by a macrocyclic bisacridine. Journal of the American Chemical Society, 1989, 111, 6805-6809.	13.7	54
186	Convenient synthesis of 9-alkyl and 9-arylacridines from [2 - (trimethylsilyl) ethoxy] methyl (sem) protected acridone. Tetrahedron Letters, 1988, 29, 5123-5124.	1.4	18
187	The synthesis and novel structure of methyl 7-phenyl-dibenz[a,j] anthracene-14-carboxylate and methyl 5-phenyl-benzo[1,2-h:5,4-hâ€²]diquinoline-3-carboxylate: Rigid semi-helical aromatic spacers with convergent functional groups. Tetrahedron Letters, 1988, 29, 983-986.	1.4	13
188	Stereoelectronic effects at carboxylate: a syn-oriented model for the histidine-aspartate couple in enzymes. Journal of the American Chemical Society, 1988, 110, 5906-5908.	13.7	29
189	Synthetic studies relevant to biosynthetic research on vitamin B12. Part 8. Synthesis of (Â±)-Faktor-I octamethyl ester. Journal of the Chemical Society Perkin Transactions 1, 1988, , 1577-1586.	0.9	15
190	Rigid molecular tweezers: synthesis, characterization, and complexation chemistry of a diacridine. Journal of the American Chemical Society, 1987, 109, 7894-7896.	13.7	127
191	Mimics of transaminase enzymes. Journal of the American Chemical Society, 1986, 108, 1969-1979.	13.7	114
192	Syntheses relevant to vitamin B12 biosynthesis: synthesis of sirohydrochlorin and of its octamethyl ester. Journal of the Chemical Society Chemical Communications, 1985, , 1061.	2.0	16
193	Synthesis relevant to vitamin B12biosynthesis: synthesis of (Â±)Faktor-I octamethyl ester. Journal of the Chemical Society Chemical Communications, 1985, .	2.0	13
194	Mimics of tryptophan synthetase and of biochemical dehydroalanine formation. Journal of the American Chemical Society, 1985, 107, 4093-4094.	13.7	38
195	Asymmetric synthesis of amino acids by pyridoxamine enzyme analogs utilizing general base-acid catalysis. Journal of the American Chemical Society, 1984, 106, 1490-1491.	13.7	71
196	Intramolecular general base-acid catalysis in transaminations catalyzed by pyridoxamine enzyme analogs. Journal of the American Chemical Society, 1983, 105, 1694-1695.	13.7	42
197	Building Personal Connections to Organic Chemistry through Writing. Journal of Chemical Education, 0, , .	2.3	3