

# Steven C C Zimmerman

## List of Publications by Year in descending order

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197  
papers

14,034  
citations

16411

64  
h-index

22764

112  
g-index

209  
all docs

209  
docs citations

209  
times ranked

11116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendrimers in Supramolecular Chemistry: From Molecular Recognition to Self-Assembly. <i>Chemical Reviews</i> , 1997, 97, 1681-1712.	23.0	1,385
2	Synthetic hosts by monomolecular imprinting inside dendrimers. <i>Nature</i> , 2002, 418, 399-403.	13.7	383
3	Electrochemical CO <sub>2</sub> -to-ethylene conversion on polyamine-incorporated Cu electrodes. <i>Nature Catalysis</i> , 2021, 4, 20-27.	16.1	313
4	New triply hydrogen bonded complexes with highly variable stabilities. <i>Journal of the American Chemical Society</i> , 1992, 114, 4010-4011.	6.6	278
5	Self-Assembly of 1,3,5-Benzenetricarboxylic Acids (Trimesic Acids) and Several Analogues in the Solid State. <i>Angewandte Chemie International Edition in English</i> , 1996, 34, 2654-2657.	4.4	275
6	Orthogonality in organic, polymer, and supramolecular chemistry: from Merrifield to click chemistry. <i>Chemical Communications</i> , 2013, 49, 1679.	2.2	267
7	Self-Association without Regard to Prototropy. A Heterocycle That Forms Extremely Stable Quadruply Hydrogen-Bonded Dimers. <i>Journal of the American Chemical Society</i> , 1998, 120, 9710-9711.	6.6	257
8	Supramolecular Liquid Crystals. Self-Assembly of a Trimeric Supramolecular Disk and Its Self-Organization into a Columnar Discotic Mesophase. <i>Journal of the American Chemical Society</i> , 1998, 120, 9526-9532.	6.6	251
9	Heteroaromatic Modules for Self-Assembly Using Multiple Hydrogen Bonds. <i>Structure and Bonding</i> , 2000, , 63-94.	1.0	243
10	Complexation-Induced Unfolding of Heterocyclic Ureas. Simple Foldamers Equilibrate with Multiply Hydrogen-Bonded Sheetlike Structures. <i>Journal of the American Chemical Society</i> , 2001, 123, 10475-10488.	6.6	240
11	Formation of a Miscible Supramolecular Polymer Blend through Self-Assembly Mediated by a Quadruply Hydrogen-Bonded Heterocomplex. <i>Journal of the American Chemical Society</i> , 2006, 128, 11582-11590.	6.6	239
12	Synthesis of Cored Dendrimers. <i>Journal of the American Chemical Society</i> , 1999, 121, 1389-1390.	6.6	217
13	A Highly Stable Quadruply Hydrogen-Bonded Heterocomplex Useful for Supramolecular Polymer Blends. <i>Journal of the American Chemical Society</i> , 2005, 127, 6520-6521.	6.6	209
14	A simple ligand that selectively targets CUG trinucleotide repeats and inhibits MBNL protein binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16068-16073.	3.3	198
15	Synthetic hosts via molecular imprinting are universal synthetic antibodies realistically possible?. <i>Chemical Communications</i> , 2004, , 5-14.	2.2	193
16	Rapid Synthesis of Dendrimers by an Orthogonal Coupling Strategy. <i>Journal of the American Chemical Society</i> , 1996, 118, 5326-5327.	6.6	190
17	A Highly Efficient Single-Chain Metal-Organic Nanoparticle Catalyst for Alkyne-Azide Click Reactions in Water and in Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 11077-11080.	6.6	190
18	Discrete and polymeric self-assembled dendrimers: Hydrogen bond-mediated assembly with high stability and high fidelity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 5099-5104.	3.3	170

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19	Supramolecular Polymer Chemistry: A Self-Assembling Dendrimers Using the DDA-AAD (GC-like) Hydrogen Bonding Motif. <i>Journal of the American Chemical Society</i> , 2002, 124, 13757-13769.	6.6	170
20	Cross-Linked Dendrimer Hosts Containing Reporter Groups for Amine Guests. <i>Journal of the American Chemical Society</i> , 2003, 125, 3424-3425.	6.6	169
21	A New Route to Organic Nanotubes from Porphyrin Dendrimers. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1121-1126.	7.2	155
22	A Supramolecular Multi-Block Copolymer with a High Propensity for Alternation. <i>Journal of the American Chemical Society</i> , 2006, 128, 13986-13987.	6.6	154
23	Complexation of nucleotide bases by molecular tweezers with active site carboxylic acids: effects of microenvironment. <i>Journal of the American Chemical Society</i> , 1991, 113, 196-201.	6.6	151
24	Rigid molecular tweezers: preorganized hosts for electron donor-acceptor complexation in organic solvents. <i>Journal of the American Chemical Society</i> , 1989, 111, 1373-1381.	6.6	146
25	Supramolecular Chemistry of Dendrimers. <i>Topics in Current Chemistry</i> , 2001, , 95-120.	4.0	142
26	Applications of dendrimers in bio-organic chemistry. <i>Current Opinion in Chemical Biology</i> , 1998, 2, 733-742.	2.8	141
27	Molecular Imprinting Inside Dendrimers. <i>Journal of the American Chemical Society</i> , 2003, 125, 13504-13518.	6.6	139
28	Rigid molecular tweezers as hosts for the complexation of neutral guests. , 1993, , 71-102.		136
29	A Quadruply Hydrogen Bonded Heterocomplex Displaying High-Fidelity Recognition. <i>Journal of the American Chemical Society</i> , 2005, 127, 18133-18142.	6.6	131
30	Complexation-Induced Unfolding of Heterocyclic Ureas: A Hydrogen-Bonded, Sheetlike Heterodimer. <i>Journal of the American Chemical Society</i> , 2000, 122, 3779-3780.	6.6	128
31	Rigid molecular tweezers: synthesis, characterization, and complexation chemistry of a diacridine. <i>Journal of the American Chemical Society</i> , 1987, 109, 7894-7896.	6.6	127
32	Does the A-T or G-C Base-Pair Possess Enhanced Stability? Quantifying the Effects of CH-O Interactions and Secondary Interactions on Base-Pair Stability Using a Phenomenological Analysis and ab Initio Calculations. <i>Journal of the American Chemical Society</i> , 2007, 129, 934-941.	6.6	126
33	Proton transfer dynamics control the mechanism of O <sub>2</sub> reduction by a non-precious metal electrocatalyst. <i>Nature Materials</i> , 2016, 15, 754-759.	13.3	126
34	Designed transition metal catalysts for intracellular organic synthesis. <i>Chemical Society Reviews</i> , 2018, 47, 1811-1821.	18.7	126
35	A rigid molecular tweezers with an active site carboxylic acid: exceptionally efficient receptor for adenine in an organic solvent. <i>Journal of the American Chemical Society</i> , 1989, 111, 8054-8055.	6.6	124
36	Monovalent, Clickable, Uncharged, Water-Soluble Perylene diimide-Cored Dendrimers for Target-Specific Fluorescent Biolabeling. <i>Journal of the American Chemical Society</i> , 2011, 133, 9964-9967.	6.6	124

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37	Self-Assembly of 1,3,5-Benzenetricarboxylic (Trimesic) Acid and Its Analogues. <i>Chemistry - A European Journal</i> , 1999, 5, 2537-2547.	1.7	123
38	Controlled molecular aggregation. 1. Cyclic trimerization via hydrogen bonding. <i>Journal of Organic Chemistry</i> , 1992, 57, 2215-2217.	1.7	119
39	Self-Assembly Mediated by the Donor-Donor-Acceptor-Acceptor-Acceptor-Donor (DDA-AAD) Hydrogen-Bonding Motif: A Formation of a Robust Hexameric Aggregate. <i>Journal of the American Chemical Society</i> , 1998, 120, 9092-9093.	6.6	116
40	Mimics of transaminase enzymes. <i>Journal of the American Chemical Society</i> , 1986, 108, 1969-1979.	6.6	114
41	A dendritic single-molecule fluorescent probe that is monovalent, photostable and minimally blinking. <i>Nature Chemistry</i> , 2013, 5, 692-697.	6.6	112
42	Supramolecular Star Polymers. Increased Molecular Weight with Decreased Polydispersity through Self-Assembly. <i>Journal of the American Chemical Society</i> , 2007, 129, 14534-14535.	6.6	110
43	Rationally Designed Small Molecules That Target Both the DNA and RNA Causing Myotonic Dystrophy Type 1. <i>Journal of the American Chemical Society</i> , 2015, 137, 14180-14189.	6.6	106
44	Synthesis of a Redox-Responsive Quadruple Hydrogen-Bonding Unit for Applications in Supramolecular Chemistry. <i>Journal of the American Chemical Society</i> , 2011, 133, 17118-17121.	6.6	104
45	Enzyme-like Click Catalysis by a Copper-Containing Single-Chain Nanoparticle. <i>Journal of the American Chemical Society</i> , 2018, 140, 13695-13702.	6.6	100
46	Intramolecularly Cross-Linked Polymers: From Structure to Function with Applications as Artificial Antibodies and Artificial Enzymes. <i>Accounts of Chemical Research</i> , 2020, 53, 1244-1256.	7.6	100
47	Engineering the Surface of Therapeutic "Living" Cells. <i>Chemical Reviews</i> , 2018, 118, 1664-1690.	23.0	93
48	Targeting Toxic RNAs that Cause Myotonic Dystrophy Type 1 (DM1) with a Bisamidinium Inhibitor. <i>Journal of the American Chemical Society</i> , 2014, 136, 6355-6361.	6.6	91
49	Direct, Electrocatalytic Oxygen Reduction by Laccase on Anthracene-2-methanethiol-Modified Gold. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2251-2254.	2.1	88
50	Interplay of Fidelity, Binding Strength, and Structure in Supramolecular Polymers. <i>Journal of the American Chemical Society</i> , 2006, 128, 14236-14237.	6.6	86
51	High-Affinity DNA Base Analogs as Supramolecular, Nanoscale Promoters of Macroscopic Adhesion. <i>Journal of the American Chemical Society</i> , 2013, 135, 7288-7295.	6.6	84
52	Polymeric "Clickase" Accelerates the Copper Click Reaction of Small Molecules, Proteins, and Cells. <i>Journal of the American Chemical Society</i> , 2019, 141, 9693-9700.	6.6	84
53	Analysis of Amidinium Guest Complexation by Comparison of Two Classes of Dendrimer Hosts Containing a Hydrogen Bonding Unit at the Core. <i>Journal of the American Chemical Society</i> , 1998, 120, 2172-2173.	6.6	83
54	Synthesis and structure of molecular tweezers containing active site functionality. <i>Journal of the American Chemical Society</i> , 1991, 113, 183-196.	6.6	79

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55	Hydrogen Bonding Modules for Use in Supramolecular Polymers. <i>Israel Journal of Chemistry</i> , 2013, 53, 511-520.	1.0	78
56	Single-Chain Nanoparticle Delivers a Partner Enzyme for Concurrent and Tandem Catalysis in Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 4565-4569.	6.6	76
57	Highly efficient complexation of a .pi.-acceptor by a molecular tweezer containing two .pi.-donors: the role of preorganization. <i>Journal of the American Chemical Society</i> , 1989, 111, 8528-8530.	6.6	75
58	Synthesis of Nanosized "Cored" Star Polymers. <i>Macromolecules</i> , 2004, 37, 778-787.	2.2	75
59	Organic Nanoparticles Whose Size and Rigidity Are Finely Tuned by Cross-Linking the End Groups of Dendrimers. <i>Journal of the American Chemical Society</i> , 2004, 126, 11420-11421.	6.6	74
60	Leukocyte-Mimicking Stem Cell Delivery via in Situ Coating of Cells with a Bioactive Hyperbranched Polyglycerol. <i>Journal of the American Chemical Society</i> , 2013, 135, 8770-8773.	6.6	74
61	Asymmetric synthesis of amino acids by pyridoxamine enzyme analogs utilizing general base-acid catalysis. <i>Journal of the American Chemical Society</i> , 1984, 106, 1490-1491.	6.6	71
62	Hydrogen bonded complexes with the AA•DD, AA•DDD, and AAA•DD motifs: The role of three centered (bifurcated) hydrogen bonding. <i>Tetrahedron Letters</i> , 1994, 35, 4077-4080.	0.7	70
63	Cross-Linked Hyperbranched Polyglycerols as Hosts for Selective Binding of Guest Molecules. <i>Journal of the American Chemical Society</i> , 2009, 131, 10574-10580.	6.6	68
64	Synthesis of heterocyclic compounds containing three contiguous hydrogen bonding sites in all possible arrangements. <i>Tetrahedron</i> , 1995, 51, 635-648.	1.0	66
65	Synthesis of Cored Dendrimers with Internal Cross-Links. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1962-1966.	7.2	65
66	Convenient synthesis of 2-amino-1,8-naphthyridines, building blocks for host-guest and self-assembling systems. <i>Journal of Organic Chemistry</i> , 1993, 58, 6625-6628.	1.7	64
67	Practical synthesis of water-soluble organic nanoparticles with a single reactive group and a functional carrier scaffold. <i>Chemical Science</i> , 2014, 5, 2862-2868.	3.7	63
68	New Frontiers for Encapsulation in the Chemical Industry. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6359-6368.	4.0	62
69	Supramolecular polymer chemistry: design, synthesis, characterization, and kinetics, thermodynamics, and fidelity of formation of self-assembled dendrimers. <i>Tetrahedron</i> , 2002, 58, 825-843.	1.0	60
70	Cross-Linked Glycerol Dendrimers and Hyperbranched Polymers as Ionophoric, Organic Nanoparticles Soluble in Water and Organic Solvents. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8164-8167.	7.2	59
71	Dendrimers in molecular recognition and self-assembly. <i>Current Opinion in Colloid and Interface Science</i> , 1997, 2, 89-99.	3.4	58
72	Trigger Chemistries for Better Industrial Formulations. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 6369-6382.	4.0	58

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73	Synthesis of a Soluble Ureido-Naphthyridine Oligomer that Self-Associates via Eight Contiguous Hydrogen Bonds. <i>Organic Letters</i> , 2005, 7, 3005-3008.	2.4	57
74	Photoresponsive Crosslinked Hyperbranched Polyglycerols as Smart Nanocarriers for Guest Binding and Controlled Release. <i>Small</i> , 2009, 5, 2199-2204.	5.2	56
75	A double supramolecular crosslinked polymer gel exhibiting macroscale expansion and contraction behavior and multistimuli responsiveness. <i>Polymer Chemistry</i> , 2015, 6, 1912-1917.	1.9	56
76	Topologically constrained bifunctional intercalators: DNA intercalation by a macrocyclic bisacridine. <i>Journal of the American Chemical Society</i> , 1989, 111, 6805-6809.	6.6	54
77	A Novel CUG <sup>exp</sup> -MBNL1 Inhibitor with Therapeutic Potential for Myotonic Dystrophy Type 1. <i>ACS Chemical Biology</i> , 2013, 8, 1037-1043.	1.6	54
78	Dendrimers with anthyridine-based hydrogen-bonding units at their cores: Synthesis, complexation and self-assembly studies. <i>Tetrahedron Letters</i> , 1997, 38, 5459-5462.	0.7	53
79	Clickable polyglycerol hyperbranched polymers and their application to gold nanoparticles and acid-labile nanocarriers. <i>Chemical Communications</i> , 2011, 47, 1279-1281.	2.2	53
80	A New Route to Organic Nanotubes from Porphyrin Dendrimers. <i>Angewandte Chemie</i> , 2003, 115, 1153-1158.	1.6	51
81	On the Nature of Dendrimer Cross-Linking by Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 13576-13577.	6.6	51
82	Developing Bivalent Ligands to Target CUG Triplet Repeats, the Causative Agent of Myotonic Dystrophy Type 1. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 9471-9481.	2.9	51
83	Proton switch for modulating oxygen reduction by a copper electrocatalyst embedded in a hybrid bilayer membrane. <i>Nature Materials</i> , 2014, 13, 619-623.	13.3	51
84	Kinetics and Thermodynamics of Amine and Diamine Signaling by a Trifluoroacetyl Azobenzene Reporter Group. <i>Organic Letters</i> , 2003, 5, 3127-3130.	2.4	50
85	A polymeric approach toward resistance-resistant antimicrobial agent with dual-selective mechanisms of action. <i>Science Advances</i> , 2021, 7, .	4.7	50
86	Model Studies Directed toward a General Triplex DNA Recognition Scheme: A Novel DNA Base That Binds a CG Base-Pair in an Organic Solvent. <i>Journal of the American Chemical Society</i> , 1995, 117, 10769-10770.	6.6	48
87	Chemical Control over Cellular Uptake of Organic Nanoparticles by Fine Tuning Surface Functional Groups. <i>ACS Nano</i> , 2015, 9, 10227-10236.	7.3	47
88	Synthesis of Polyglycerol, Porphyrin-Cored Dendrimers Using Click Chemistry. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3845-3851.	1.2	46
89	Highly Effective Hydrogen-Bonding Receptors for Guanine Derivatives. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2163-2165.	4.4	45
90	A Polymeric Fastener Can Easily Functionalize Liposome Surfaces with Gadolinium for Enhanced Magnetic Resonance Imaging. <i>ACS Nano</i> , 2013, 7, 9599-9610.	7.3	45

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91	Quantitative Host-Guest Complexation Studies Using Chemically Bonded Stationary Phases. A Comparison of HPLC and Solution Enthalpies. <i>Journal of the American Chemical Society</i> , 1995, 117, 1175-1176.	6.6	44
92	Higher Affinity Quadruply Hydrogen-Bonded Complexation with 7-Deazaguanine Urea. <i>Organic Letters</i> , 2006, 8, 1589-1592.	2.4	43
93	Acid-Triggered, Acid-Generating, and Self-Amplifying Degradable Polymers. <i>Journal of the American Chemical Society</i> , 2019, 141, 2838-2842.	6.6	43
94	Intramolecular general base-acid catalysis in transaminations catalyzed by pyridoxamine enzyme analogs. <i>Journal of the American Chemical Society</i> , 1983, 105, 1694-1695.	6.6	42
95	Molecular Tweezers as Synthetic Receptors: Molecular Recognition of Electron-Deficient Aromatic Substrates by Chemically Bonded Stationary Phases. <i>European Journal of Organic Chemistry</i> , 1999, 2741-2749.	1.2	42
96	Fidelity in the supramolecular assembly of triply and quadruply hydrogen-bonded complexes. <i>Israel Journal of Chemistry</i> , 2005, 45, 381-389.	1.0	41
97	Selective inhibition of MBNL1â€“CCUG interaction by small molecules toward potential therapeutic agents for myotonic dystrophy type 2 (DM2) â€“. <i>Nucleic Acids Research</i> , 2011, 39, 8881-8890.	6.5	40
98	A Bioorthogonal Small Molecule Selective Polymeric â€œClickaseâ€“. <i>Journal of the American Chemical Society</i> , 2020, 142, 13966-13973.	6.6	40
99	Interaction of a macrocyclic bisacridine with DNA. <i>Biochemistry</i> , 1990, 29, 10918-10927.	1.2	39
100	Intrinsically cell-penetrating multivalent and multitargeting ligands for myotonic dystrophy type 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8709-8714.	3.3	39
101	Mimics of tryptophan synthetase and of biochemical dehydroalanine formation. <i>Journal of the American Chemical Society</i> , 1985, 107, 4093-4094.	6.6	38
102	Bis-ureidodeazapterin (Bis-DeAP) as a general route to supramolecular star polymers. <i>Tetrahedron</i> , 2008, 64, 8558-8570.	1.0	38
103	Hydrogen-Bonded DeUGâˆ“DAN Heterocomplex: Structure and Stability and a Scalable Synthesis of DeUG with Reactive Functionality. <i>Organic Letters</i> , 2009, 11, 61-64.	2.4	38
104	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. <i>Tetrahedron Letters</i> , 1995, 36, 7627-7630.	0.7	37
105	With Regard to the Hydrogen Bonding in Complexes of Pyridylureas, Less Is More. A Role for Shape Complementarity and CHâˆ“âˆ“O Interactions?. <i>Organic Letters</i> , 2004, 6, 1649-1652.	2.4	37
106	A Potent Inhibitor of Protein Sequestration by Expanded Triplet (CUG) Repeats that Shows Phenotypic Improvements in a <i>Drosophila</i> Model of Myotonic Dystrophy. <i>ChemMedChem</i> , 2016, 11, 1428-1435.	1.6	36
107	An ABC Stacking Supramolecular Discotic Columnar Structure Constructed via Hydrogen-Bonded Hexamers. <i>Chemistry of Materials</i> , 2004, 16, 2975-2977.	3.2	35
108	Syn and anti-oriented imidazole carboxylates as models for the histidine-aspartate couple in serine proteases and other enzymes. <i>Tetrahedron</i> , 1991, 47, 2649-2660.	1.0	34



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109	Molecular recognition of a thymine bulge by a high affinity, deazaguanine-based hydrogen-bonding ligand. <i>Chemical Communications</i> , 2009, , 668-670.	2.2	34
110	Synthesis and properties of fluorescent dyes conjugated to hyperbranched polyglycerols. <i>New Journal of Chemistry</i> , 2012, 36, 419-427.	1.4	33
111	pH-Triggered Release from Polyamide Microcapsules Prepared by Interfacial Polymerization of a Simple Diester Monomer. <i>ACS Macro Letters</i> , 2017, 6, 321-325.	2.3	33
112	SANS investigation of self-assembling dendrimers in organic solvents. <i>Journal of Materials Chemistry</i> , 1997, 7, 1221-1226.	6.7	31
113	A monomolecularly imprinted dendrimer (MID) capable of selective binding with a tris(2-aminoethyl)amine guest through multiple functional group interactions Electronic supplementary information (ESI) available: compound characterization data and representative UV-visible binding data with Kassoc plots. See <a href="http://www.rsc.org/suppdata/cc/b3/b316248f/">http://www.rsc.org/suppdata/cc/b3/b316248f/</a> . <i>Chemical Communications</i> , 2004, , 488.	2.2	31
114	Crosslinked dendronized polyols as a general approach to brighter and more stable fluorophores. <i>Chemical Communications</i> , 2016, 52, 3781-3784.	2.2	31
115	Cross-Linking Dendrimers with Allyl Ether End-Groups Using the Ring-Closing Metathesis Reaction. <i>Journal of Organic Chemistry</i> , 2004, 69, 7363-7366.	1.7	30
116	Degradable dendrimers divergently synthesized via click chemistry. <i>Chemical Communications</i> , 2009, , 794.	2.2	30
117	Patterning Three-Dimensional Hydrogel Microenvironments Using Hyperbranched Polyglycerols for Independent Control of Mesh Size and Stiffness. <i>Biomacromolecules</i> , 2017, 18, 1393-1400.	2.6	30
118	Bottom-Up Strategy To Prepare Nanoparticles with a Single DNA Strand. <i>Journal of the American Chemical Society</i> , 2017, 139, 3623-3626.	6.6	30
119	Stereoelectronic effects at carboxylate: a syn-oriented model for the histidine-aspartate couple in enzymes. <i>Journal of the American Chemical Society</i> , 1988, 110, 5906-5908.	6.6	29
120	Hydrophilic packaging of iron oxide nanoclusters for highly sensitive imaging. <i>Biomaterials</i> , 2015, 69, 184-190.	5.7	29
121	Photoresponsive Molecular Switch for Regulating Transmembrane Proton-Transfer Kinetics. <i>Journal of the American Chemical Society</i> , 2015, 137, 14059-14062.	6.6	29
122	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. <i>Journal of the American Chemical Society</i> , 2020, 142, 11165-11172.	6.6	28
123	Kinetic effect of a syn-oriented carboxylate on a proximate imidazole in catalysis: a model for the histidine-aspartate couple in enzymes. <i>Journal of the American Chemical Society</i> , 1990, 112, 3680-3682.	6.6	27
124	A very versatile nanocapsule. <i>Nature Nanotechnology</i> , 2007, 2, 201-202.	15.6	27
125	Room Temperature, Copper-Catalyzed Amination of Bromonaphthyridines with Aqueous Ammonia. <i>Journal of Organic Chemistry</i> , 2010, 75, 4848-4851.	1.7	27
126	Single-molecule study of the CUG repeatâ€™s MBNL1 interaction and its inhibition by small molecules. <i>Nucleic Acids Research</i> , 2013, 41, 6687-6697.	6.5	27



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127	A journey in bioinspired supramolecular chemistry: from molecular tweezers to small molecules that target myotonic dystrophy. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 125-138.	1.3	26
128	Integrating Display and Delivery Functionality with a Cell Penetrating Peptide Mimic as a Scaffold for Intracellular Multivalent Multitargeting. <i>Journal of the American Chemical Society</i> , 2016, 138, 9498-9507.	6.6	26
129	Polyglycerol- $\epsilon$ -Dendronized Perylene-3,4,9,10-tetracarboxylic diimides as Stable, Water-Soluble Fluorophores. <i>Advanced Functional Materials</i> , 2012, 22, 3023-3028.	7.8	25
130	Molecular Tweezers: Synthetic Receptors for $\pi$ -Sandwich Complexation of Aromatic Substrates. <i>Bioorganic Chemistry Frontiers</i> , 1991, , 33-71.	1.2	25
131	Synthesis of heterocycles containing two cytosine or two guanine base-pairing sites. Novel tectons for self-assembly. <i>Bioorganic and Medicinal Chemistry</i> , 1996, 4, 1107-1112.	1.4	24
132	Synthesis and duplex DNA recognition studies of oligonucleotides containing a ureido isoindolin-1-one homo-N-nucleoside. A comparison of host-guest and DNA recognition studies. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 1517-1526.	1.4	24
133	Quadruply Hydrogen Bonding Modules as Highly Selective Nanoscale Adhesive Agents. <i>Organic Letters</i> , 2013, 15, 3506-3509.	2.4	24
134	A Comparison of Enthalpies of Formation in Solution and Enthalpies for HPLC Retention for Hydrogen-Bonded Host-Guest Complexes. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2404-2406.	4.4	23
135	Synthetic Receptors for CG Base Pairs. <i>Organic Letters</i> , 2000, 2, 2931-2934.	2.4	23
136	The Flip-Flop Diffusion Mechanism across Lipids in a Hybrid Bilayer Membrane. <i>Biophysical Journal</i> , 2016, 110, 2451-2462.	0.2	23
137	Improved binding of adenine by a synthetic receptor. <i>Journal of Organic Chemistry</i> , 1990, 55, 4789-4791.	1.7	22
138	Anion Transport through Lipids in a Hybrid Bilayer Membrane. <i>Analytical Chemistry</i> , 2015, 87, 2403-2409.	3.2	22
139	Substituted 1,3,5-Triazaadamantanes: Biocompatible and Degradable Building Blocks. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8072-8074.	7.2	21
140	Small Molecules that Target the Toxic RNA in Myotonic Dystrophy Type 2. <i>ChemMedChem</i> , 2014, 9, 2455-2462.	1.6	21
141	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. <i>Journal of Organic Chemistry</i> , 1989, 54, 1256-1264.	1.7	20
142	Structure-Function Studies on a Synthetic Guanosine Receptor That Simultaneously Binds Watson-Crick and Hoogsteen Sites. <i>Journal of Organic Chemistry</i> , 2005, 70, 7459-7467.	1.7	19
143	Convenient synthesis of 9-alkyl and 9-arylacridines from [2-(trimethylsilyl)ethoxy]methyl (sem) protected acridone. <i>Tetrahedron Letters</i> , 1988, 29, 5123-5124.	0.7	18
144	Integrating chemosensors for amine-containing compounds into cross-linked dendritic hosts. <i>Tetrahedron</i> , 2004, 60, 11191-11204.	1.0	18

#	ARTICLE	IF	CITATIONS
145	Base-triggered self-amplifying degradable polyurethanes with the ability to translate local stimulation to continuous long-range degradation. <i>Chemical Science</i> , 2020, 11, 3326-3331.	3.7	18
146	Investigating the Binding Mode of an Inhibitor of the MBNL1-RNA Complex in Myotonic Dystrophy Type 1 (DM1) Leads to the Unexpected Discovery of a DNA-Selective Binder. <i>ChemBioChem</i> , 2012, 13, 2505-2509.	1.3	17
147	CAG RNAs induce DNA damage and apoptosis by silencing <i>NUDT16</i> expression in polyglutamine degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
148	Syntheses relevant to vitamin B12 biosynthesis: synthesis of sirohydrochlorin and of its octamethyl ester. <i>Journal of the Chemical Society Chemical Communications</i> , 1985, , 1061.	2.0	16
149	Top-down Synthesis of Versatile Polyaspartamide Linkers for Single-Step Protein Conjugation to Materials. <i>Bioconjugate Chemistry</i> , 2011, 22, 2377-2382.	1.8	16
150	Synthetic studies relevant to biosynthetic research on vitamin B12. Part 8. Synthesis of (Î±)-Factor-I octamethyl ester. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1988, , 1577-1586.	0.9	15
151	Exploring the Reversibility of the Ring-Closing Metathesis Mediated Cross-linking of Dendrimers. <i>Macromolecules</i> , 2007, 40, 8114-8118.	2.2	15
152	Tandem catalysis using an enzyme and a polymeric ruthenium-based artificial metalloenzyme. <i>Polymer Chemistry</i> , 2021, 12, 6755-6760.	1.9	15
153	Worm-Like Superparamagnetic Nanoparticle Clusters for Enhanced Adhesion and Magnetic Resonance Relaxivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 1219-1225.	4.0	14
154	Synthesis relevant to vitamin B12 biosynthesis: synthesis of (Î±)-Factor-I octamethyl ester. <i>Journal of the Chemical Society Chemical Communications</i> , 1985, .	2.0	13
155	The synthesis and novel structure of methyl 7-phenyl-dibenz[ <i>a,j</i> ] anthracene-14-carboxylate and methyl 5-phenyl-benzo[1,2- <i>h:5,4-h'</i> ]diquinoline-3-carboxylate: Rigid semi-helical aromatic spacers with convergent functional groups. <i>Tetrahedron Letters</i> , 1988, 29, 983-986.	0.7	13
156	Hocheffektive, 1/4ber Wasserstoffbr1/4cken bindende Rezeptoren f1/4r Guanidinderivate. <i>Angewandte Chemie</i> , 1995, 107, 2321-2324.	1.6	13
157	Tuning hydrogel properties and function using substituent effects. <i>Soft Matter</i> , 2010, 6, 2150.	1.2	12
158	Proton transfer dynamics dictate quinone speciation at lipid-modified electrodes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7086-7093.	1.3	12
159	Water-Soluble Polyglycerol Dendrimers with Two Orthogonally Reactive Core Functional Groups for One-Pot Functionalization. <i>Macromolecules</i> , 2015, 48, 2504-2508.	2.2	11
160	Development of novel macrocyclic small molecules that target CTG trinucleotide repeats. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 2978-2984.	1.4	11
161	Synthesis and characterization of an electroactive surface that releases Î³-aminobutyric acid (GABA). <i>Journal of Colloid and Interface Science</i> , 2006, 296, 165-177.	5.0	10
162	A Route to Water-Soluble Molecularly Templated Nanoparticles Using Click Chemistry and Alkyne-Functionalized Hyperbranched Polyglycerol. <i>Israel Journal of Chemistry</i> , 2009, 49, 71-78.	1.0	10

#	ARTICLE	IF	CITATIONS
163	Azobenzene dye-coupled quadruply hydrogen-bonding modules as colorimetric indicators for supramolecular interactions. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 486-495.	1.3	10
164	Linear dendronized polyols as a multifunctional platform for a versatile and efficient fluorophore design. <i>Polymer Chemistry</i> , 2018, 9, 2040-2047.	1.9	10
165	AQAMAN, a bisamidine-based inhibitor of toxic protein inclusions in neurons, ameliorates cytotoxicity in polyglutamine disease models. <i>Journal of Biological Chemistry</i> , 2019, 294, 2757-5526.	1.6	10
166	Synthesis and Conjugation of Alkyne-Functional Hyperbranched Polyglycerols. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 2252-2261.	1.1	9
167	Nonionic Surfactant Properties of Amphiphilic Hyperbranched Polyglycerols. <i>Langmuir</i> , 2020, 36, 10103-10109.	1.6	9
168	Enzyme-like catalysis by single chain nanoparticles that use transition metal cofactors. <i>Chemical Communications</i> , 2022, 58, 985-988.	2.2	9
169	Switching the selectivity of a polyglycerol dendrimer monomolecularly imprinted with d-( $\alpha$ )-fructose. <i>Tetrahedron Letters</i> , 2009, 50, 2204-2207.	0.7	8
170	Expanded DNA and RNA Trinucleotide Repeats in Myotonic Dystrophy Type 1 Select Their Own Multitarget, Sequence-Selective Inhibitors. <i>Biochemistry</i> , 2020, 59, 3463-3472.	1.2	8
171	Polymer self-assembly: a web themed issue. <i>Chemical Communications</i> , 2014, 50, 13415-13416.	2.2	7
172	Independent control over size, valence, and elemental composition in the synthesis of DNA-nanoparticle conjugates. <i>Chemical Science</i> , 2020, 11, 1564-1572.	3.7	7
173	Construction from destruction using a photo-triggered self-propagating degradable polyurethane as a one-pot epoxy. <i>Polymer Chemistry</i> , 2020, 11, 6215-6220.	1.9	7
174	On the evaluation of a small molecule mimic of chymotrypsin. <i>Tetrahedron Letters</i> , 1989, 30, 4357-4358.	0.7	5
175	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. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992, , 2189.	0.9	5
176	Vergleich von in Lösung und mit HPLC bestimmten Bildungsenthalpien über Wasserstoffbrücken gebundener Wirt-Gast-Komplexe. <i>Angewandte Chemie</i> , 1995, 107, 2589-2592.	1.6	5
177	Self-Assembling Amphiphilic Hyperbranched Polyglycerol-Polystyrene Copolymers for Encapsulation. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1729-1736.	1.1	5
178	Versatile Target-Guided Screen for Discovering Bidirectional Transcription Inhibitors of a Trinucleotide Repeat Disease. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 935-940.	1.3	5
179	Selective and Reversible Ligand Assembly on the DNA and RNA Repeat Sequences in Myotonic Dystrophy. <i>ChemBioChem</i> , 2022, 23, .	1.3	5
180	Dendritic Macromolecules: Concepts, Syntheses, Perspectives (Newkome, G. R.; Moorefield, C. N.;) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	1.1	4

#	ARTICLE	IF	CITATIONS
181	Modeling the Equilibria of Complex Supramolecular Systems. <i>Journal of Chemical Education</i> , 2009, 86, 638.	1.1	4
182	Structure of an RNA helix with pyrimidine mismatches and cross-strand stacking. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 652-656.	0.4	4
183	Building Personal Connections to Organic Chemistry through Writing. <i>Journal of Chemical Education</i> , 0, , .	1.1	3
184	Assessing the feasibility and stability of uracil base flipping in RNAâ€“small molecule complexes using molecular dynamics simulations. <i>Canadian Journal of Chemistry</i> , 2020, 98, 261-269.	0.6	2
185	Acidâ€“Responsive Anticorrosion Microcapsules for Selfâ€“Protecting Coatings. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	1.1	2
186	A Selective Alkylating Agent for CTG Repeats in Myotonic Dystrophy Type 1. <i>ACS Chemical Biology</i> , 2022, 17, 1103-1110.	1.6	2
187	New supramolecular architectures based on hydrogen bonding. <i>Macromolecular Symposia</i> , 1995, 98, 525-526.	0.4	1
188	Performance improvement program for reducing home health care costs in hospice. <i>Journal of Pain and Symptom Management</i> , 2004, 28, 417-419.	0.6	1
189	Preparation of 2,7-Diamino-1,8-naphthyridine: A Useful Building Block for Supramolecular Chemistry. <i>Synlett</i> , 2005, 2005, 1435-1436.	1.0	1
190	Prebiotic Selection of the AT Base-Pair?. <i>ACS Symposium Series</i> , 2010, , 95-107.	0.5	1
191	Calix[8]arene Functionalized Polyglycerol Nanogels for Encapsulation and Stabilization of Fluorescent Dyes. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1403, 149.	0.1	1
192	Isaiah Shavitt: Computational chemistry pioneer. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	0.5	1
193	Supramolecular chemistry at the interface of biology, materials and medicine. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1101-1102.	1.3	1
194	Building a Modern Chemistry Undergraduate Program at Hanoi University of Science-Vietnam National University: A Vietnamâ€“U.S. Partnership. <i>ACS Symposium Series</i> , 2017, , 15-32.	0.5	1
195	Photostability: Polyglycerol-Dendronized PeryleneDiimides as Stable, Water-Soluble Fluorophores ( <i>Adv. Funct. Mater.</i> 14/2012). <i>Advanced Functional Materials</i> , 2012, 22, 3022-3022.	7.8	0
196	Supramolecular Chemistry for Biology, Materials and Medicine. <i>Israel Journal of Chemistry</i> , 2013, 53, 495-496.	1.0	0
197	A Novel Minor Groove Binder as a Potential Therapeutic Agent for Myotonic Dystrophy Type 1. <i>ChemMedChem</i> , 2021, 16, 2638-2644.	1.6	0