

# Zhichang Liu

## List of Publications by Year in descending order

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65  
papers

3,744  
citations

117625

34  
h-index

128289

60  
g-index

70  
all docs

70  
docs citations

70  
times ranked

4325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical trapping and in situ derivatization of the porphodimethene intermediate. <i>Materials Today Chemistry</i> , 2022, 24, 100868.	3.5	5
2	Tetraphenylethylene-Incorporated Macrocycles and Nanocages: Construction and Applications. <i>ACS Applied Nano Materials</i> , 2022, 5, 13940-13958.	5.0	14
3	Linear Nonalternant Isomers of Acenes Fusing Multiple Azulene Units. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
4	Linear Nonalternant Isomers of Acenes Fusing Multiple Azulene Units. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	36
5	Reticular exploration of uranium-based metal-organic frameworks with hexacarboxylate building units. <i>Nano Research</i> , 2021, 14, 376-380.	10.4	25
6	Molecular-strain engineering of double-walled tetrahedra. <i>CheM</i> , 2021, 7, 2160-2174.	11.7	23
7	Molecular Bows-Strained Bow-shaped Macrocycles. <i>Chemistry Letters</i> , 2020, 49, 1329-1336.	1.3	5
8	Highly Stable Organic Bisradicals Protected by Mechanical Bonds. <i>Journal of the American Chemical Society</i> , 2020, 142, 7190-7197.	13.7	17
9	High-Efficiency Gold Recovery Using Cucurbit[6]uril. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 38768-38777.	8.0	41
10	TetrazineBox: A Structurally Transformative Toolbox. <i>Journal of the American Chemical Society</i> , 2020, 142, 5419-5428.	13.7	23
11	Selective Recovery and Detection of Gold with Cucurbit[6]urils ( $n = 5-7$ ). <i>Inorganic Chemistry</i> , 2020, 59, 3850-3855.	4.0	29
12	Organic Counteranion Co-assembly Strategy for the Formation of $\beta$ -Cyclodextrin-Containing Hybrid Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 2042-2050.	13.7	26
13	Single-Crystal Polycationic Polymers Obtained by Single-Crystal-to-Single-Crystal Photopolymerization. <i>Journal of the American Chemical Society</i> , 2020, 142, 6180-6187.	13.7	50
14	A Hierarchical Nanoporous Diamondoid Superstructure. <i>CheM</i> , 2019, 5, 2353-2364.	11.7	23
15	Tetrahedron. <i>Chinese Journal of Chemistry</i> , 2019, 37, 834-842.	4.9	6
16	Stabilizing the Naphthalenediimide Radical within a Tetracationic Cyclophane. <i>Journal of the American Chemical Society</i> , 2019, 141, 16915-16922.	13.7	30
17	Guest recognition enhanced by lateral interactions. <i>Chemical Science</i> , 2019, 10, 5114-5123.	7.4	16
18	A Dynamic Tetracationic Macrocycle Exhibiting Photoswitchable Molecular Encapsulation. <i>Journal of the American Chemical Society</i> , 2019, 141, 1280-1289.	13.7	66

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19	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1664-1669.	13.8	93
20	Discrete Dimers of Redox-Active and Fluorescent Perylene Diimide-Based Rigid Isosceles Triangles in the Solid State. <i>Journal of the American Chemical Society</i> , 2019, 141, 1290-1303.	13.7	87
21	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. <i>Angewandte Chemie</i> , 2019, 131, 1678-1683.	2.0	29
22	Molecular Russian dolls. <i>Nature Communications</i> , 2018, 9, 5275.	12.8	61
23	Selective Extraction of $C_{70}$ by a Tetragonal Prismatic Porphyrin Cage. <i>Journal of the American Chemical Society</i> , 2018, 140, 13835-13842.	13.7	105
24	Neighboring Component Effect in a Tri-stable [2]Rotaxane. <i>Journal of the American Chemical Society</i> , 2018, 140, 13827-13834.	13.7	22
25	Mixed-Valence Superstructure Assembled from a Mixed-Valence Host-Guest Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 9387-9391.	13.7	18
26	Epitaxial Growth of $\beta$ -Cyclodextrin-Containing Metal-Organic Frameworks Based on a Host-Guest Strategy. <i>Journal of the American Chemical Society</i> , 2018, 140, 11402-11407.	13.7	44
27	Radically promoted formation of a molecular lasso. <i>Chemical Science</i> , 2017, 8, 2562-2568.	7.4	39
28	Surveying macrocyclic chemistry: from flexible crown ethers to rigid cyclophanes. <i>Chemical Society Reviews</i> , 2017, 46, 2459-2478.	38.1	639
29	Noninvasive Substitution of $K^+$ Sites in Cyclodextrin Metal-Organic Frameworks by $Li^+$ Ions. <i>Journal of the American Chemical Society</i> , 2017, 139, 11020-11023.	13.7	79
30	Mechanical-Bond-Protected, Air-Stable Radicals. <i>Journal of the American Chemical Society</i> , 2017, 139, 12704-12709.	13.7	36
31	Chiral Redox-Active Isosceles Triangles. <i>Journal of the American Chemical Society</i> , 2016, 138, 5968-5977.	13.7	62
32	Symbiotic Control in Mechanical Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12387-12392.	13.8	21
33	Supramolecular Double-Helix Formation by Diastereoisomeric Conformations of Configurationally Enantiomeric Macrocycles. <i>Journal of the American Chemical Society</i> , 2016, 138, 14469-14480.	13.7	42
34	Cation-Dependent Gold Recovery with $\beta$ -Cyclodextrin Facilitated by Second-Sphere Coordination. <i>Journal of the American Chemical Society</i> , 2016, 138, 11643-11653.	13.7	71
35	Symbiotic Control in Mechanical Bond Formation. <i>Angewandte Chemie</i> , 2016, 128, 12575-12580.	2.0	7
36	Supramolecular Gelation of Rigid Triangular Macrocycles through Rings of Multiple $C\cdots H\cdots O$ Interactions Acting Cooperatively. <i>Journal of Organic Chemistry</i> , 2016, 81, 2581-2588.	3.2	27

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37	Visible Light-Driven Artificial Molecular Switch Actuated by Radical–Radical and Donor–Acceptor Interactions. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6317-6325.	2.5	31
38	Formation of ring-in-ring complexes between crown ethers and rigid TVBox <sup>8+</sup> . <i>Chemical Communications</i> , 2015, 51, 1432-1435.	4.1	19
39	Complexation of Polyoxometalates with Cyclodextrins. <i>Journal of the American Chemical Society</i> , 2015, 137, 4111-4118.	13.7	150
40	Redox Control of the Binding Modes of an Organic Receptor. <i>Journal of the American Chemical Society</i> , 2015, 137, 11057-11068.	13.7	55
41	An Electrochromic Tristable Molecular Switch. <i>Journal of the American Chemical Society</i> , 2015, 137, 13484-13487.	13.7	78
42	Folding of Oligoviologens Induced by Radical–Radical Interactions. <i>Journal of the American Chemical Society</i> , 2015, 137, 876-885.	13.7	65
43	Extended metal-carbohydrate frameworks. <i>Pure and Applied Chemistry</i> , 2014, 86, 1323-1334.	1.9	25
44	Second-Sphere Coordination Revisited. <i>Chimia</i> , 2014, 68, 315.	0.6	42
45	Assembly of Supramolecular Nanotubes from Molecular Triangles and 1,2-Dihalohydrocarbons. <i>Journal of the American Chemical Society</i> , 2014, 136, 16651-16660.	13.7	81
46	A Square–Planar Tetracoordinate Oxygen–Containing Ti <sub>4</sub> O <sub>17</sub> Cluster Stabilized by Two 1,1–Ferrocenedicarboxylato Ligands. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9193-9197.	13.8	41
47	Two-point halogen bonding between 3,6-dihalopyromellitic diimides. <i>Chemical Science</i> , 2014, 5, 4242-4248.	7.4	32
48	Electron Sharing and Anion–Recognition in Molecular Triangular Prisms. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13100-13104.	13.8	160
49	A Radically Configurable Six-State Compound. <i>Science</i> , 2013, 339, 429-433.	12.6	158
50	Synthesis and solution-state dynamics of donor–acceptor oligorotaxane foldamers. <i>Chemical Science</i> , 2013, 4, 1470.	7.4	43
51	Three–Dimensional Architectures Incorporating Stereoregular Donor–Acceptor Stacks. <i>Chemistry - A European Journal</i> , 2013, 19, 8457-8465.	3.3	28
52	Selective isolation of gold facilitated by second-sphere coordination with $\beta$ -cyclodextrin. <i>Nature Communications</i> , 2013, 4, 1855.	12.8	156
53	Photoexpulsion of Surface-Grafted Ruthenium Complexes and Subsequent Release of Cytotoxic Cargos to Cancer Cells from Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2013, 135, 11603-11613.	13.7	128
54	RÅ¼cktitelbild: Electron Sharing and Anion–Recognition in Molecular Triangular Prisms (Angew.) Tj ETQq0 0 0 rgBT, /Overlock 10 Tf 50		

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55	Mechanically induced intramolecular electron transfer in a mixed-valence molecular shuttle. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11546-11551.	7.1	46
56	A Semiconducting Organic Radical Cationic Host-Guest Complex. ACS Nano, 2012, 6, 9964-9971.	14.6	47
57	Solution-Phase Mechanistic Study and Solid-State Structure of a Tris(bipyridinium radical cation) Inclusion Complex. Journal of the American Chemical Society, 2012, 134, 3061-3072.	13.7	123
58	Controlling Switching in Bistable [2]Catenanes by Combining Donor-Acceptor and Radical-Radical Interactions. Journal of the American Chemical Society, 2012, 134, 11709-11720.	13.7	70
59	A rigid donor-acceptor daisy chain dimer. Chemical Communications, 2012, 48, 6791.	4.1	22
60	Oligomeric Pseudorotaxanes Adopting Infinite-Chain Lattice Superstructures. Angewandte Chemie - International Edition, 2012, 51, 7231-7235.	13.8	34
61	Hydrogen-Bonding Induced Cooperative Effect on the Energy Transfer in Helical Polynorbornenes Appended with Porphyrin-Containing Amidic Alanine Linkers. Chemistry - an Asian Journal, 2010, 5, 1425-1438.	3.3	5
62	Coherently Aligned Porphyrin-Appended Polynorbornenes. Chemistry - A European Journal, 2009, 15, 5719-5728.	3.3	28
63	Simple, efficient copper-free Sonogashira coupling of haloaryl carboxylic acids or unactivated aryl bromides with terminal alkynes. Catalysis Communications, 2008, 9, 2154-2157.	3.3	19
64	On the Tacticity of Polynorbornenes with 5,6-endo Pendant Groups That Contain Substituted Aryl Chromophores. Chemistry - an Asian Journal, 2007, 2, 764-774.	3.3	43
65	A High Yield and Pilot-Scale Process for the Preparation of Adapalene. Organic Process Research and Development, 2006, 10, 285-288.	2.7	25