Zhichang Liu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8814493/publications.pdf

Version: 2024-02-01

65 papers	3,744 citations	117571 34 h-index	128225 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. Materials Today Chemistry, 2022, 24, 100868.	1.7	5
2	Tetraphenylethylene-Incorporated Macrocycles and Nanocages: Construction and Applications. ACS Applied Nano Materials, 2022, 5, 13940-13958.	2.4	14
3	Linear Nonalternant Isomers of Acenes Fusing Multiple Azulene Units. Angewandte Chemie, 2022, 134, .	1.6	3
4	Linear Nonalternant Isomers of Acenes Fusing Multiple Azulene Units. Angewandte Chemie - International Edition, 2022, 61, .	7.2	36
5	Reticular exploration of uranium-based metalâ€”organic frameworks with hexacarboxylate building units. Nano Research, 2021, 14, 376-380.	5.8	25
6	Molecular-strain engineering of double-walled tetrahedra. CheM, 2021, 7, 2160-2174.	5.8	23
7	Molecular Bowsâ€”Strained Bow-shaped Macrocycles. Chemistry Letters, 2020, 49, 1329-1336.	0.7	5
8	Highly Stable Organic Bisradicals Protected by Mechanical Bonds. Journal of the American Chemical Society, 2020, 142, 7190-7197.	6.6	17
9	High-Efficiency Gold Recovery Using Cucurbit[6]uril. ACS Applied Materials & Interfaces, 2020, 12, 38768-38777.	4.0	41
10	TetrazineBox: A Structurally Transformative Toolbox. Journal of the American Chemical Society, 2020, 142, 5419-5428.	6.6	23
11	Selective Recovery and Detection of Gold with Cucurbit[n]urils (n = 5â€“7). Inorganic Chemistry, 2020, 59, 3850-3855.	1.9	29
12	Organic Counteranion Co-assembly Strategy for the Formation of Î³-Cyclodextrin-Containing Hybrid Frameworks. Journal of the American Chemical Society, 2020, 142, 2042-2050.	6.6	26
13	Single-Crystal Polycationic Polymers Obtained by Single-Crystal-to-Single-Crystal Photopolymerization. Journal of the American Chemical Society, 2020, 142, 6180-6187.	6.6	50
14	A Hierarchical Nanoporous Diamondoid Superstructure. CheM, 2019, 5, 2353-2364.	5.8	23
15	Tetrahedron. Chinese Journal of Chemistry, 2019, 37, 834-842.	2.6	6
16	Stabilizing the Naphthalenediimide Radical within a Tetracationic Cyclophane. Journal of the American Chemical Society, 2019, 141, 16915-16922.	6.6	30
17	Guest recognition enhanced by lateral interactions. Chemical Science, 2019, 10, 5114-5123.	3.7	16
18	A Dynamic Tetracationic Macrocycle Exhibiting Photoswitchable Molecular Encapsulation. Journal of the American Chemical Society, 2019, 141, 1280-1289.	6.6	66

#	Article	IF	Citations
19	Interpenetration Isomerism in Triptyceneâ€Based Hydrogenâ€Bonded Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 1664-1669.	7.2	93
20	Discrete Dimers of Redox-Active and Fluorescent Perylene Diimide-Based Rigid Isosceles Triangles in the Solid State. Journal of the American Chemical Society, 2019, 141, 1290-1303.	6.6	87
21	Interpenetration Isomerism in Triptyceneâ€Based Hydrogenâ€Bonded Organic Frameworks. Angewandte Chemie, 2019, 131, 1678-1683.	1.6	29
22	Molecular Russian dolls. Nature Communications, 2018, 9, 5275.	5.8	61
23	Selective Extraction of C₇₀ by a Tetragonal Prismatic Porphyrin Cage. Journal of the American Chemical Society, 2018, 140, 13835-13842.	6.6	105
24	Neighboring Component Effect in a Tri-stable [2]Rotaxane. Journal of the American Chemical Society, 2018, 140, 13827-13834.	6.6	22
25	Mixed-Valence Superstructure Assembled from a Mixed-Valence Hostâ€“Guest Complex. Journal of the American Chemical Society, 2018, 140, 9387-9391.	6.6	18
26	Epitaxial Growth of Î³-Cyclodextrin-Containing Metalâ€“Organic Frameworks Based on a Hostâ€“Guest Strategy. Journal of the American Chemical Society, 2018, 140, 11402-11407.	6.6	44
27	Radically promoted formation of a molecular lasso. Chemical Science, 2017, 8, 2562-2568.	3.7	39
28	Surveying macrocyclic chemistry: from flexible crown ethers to rigid cyclophanes. Chemical Society Reviews, 2017, 46, 2459-2478.	18.7	639
29	Noninvasive Substitution of K⁺ Sites in Cyclodextrin Metalâ€“Organic Frameworks by Li⁺ Ions. Journal of the American Chemical Society, 2017, 139, 11020-11023.	6.6	79
30	Mechanical-Bond-Protected, Air-Stable Radicals. Journal of the American Chemical Society, 2017, 139, 12704-12709.	6.6	36
31	Chiral Redox-Active Isosceles Triangles. Journal of the American Chemical Society, 2016, 138, 5968-5977.	6.6	62
32	Symbiotic Control in Mechanical Bond Formation. Angewandte Chemie - International Edition, 2016, 55, 12387-12392.	7.2	21
33	Supramolecular Double-Helix Formation by Diastereoisomeric Conformations of Configurationally Enantiomeric Macrocycles. Journal of the American Chemical Society, 2016, 138, 14469-14480.	6.6	42
34	Cation-Dependent Gold Recovery with Î±-Cyclodextrin Facilitated by Second-Sphere Coordination. Journal of the American Chemical Society, 2016, 138, 11643-11653.	6.6	71
35	Symbiotic Control in Mechanical Bond Formation. Angewandte Chemie, 2016, 128, 12575-12580.	1.6	7
36	Supramolecular Gelation of Rigid Triangular Macrocycles through Rings of Multiple Câ€“HÂ·Â·Â·O Interactions Acting Cooperatively. Journal of Organic Chemistry, 2016, 81, 2581-2588.	1.7	27

#	Article	IF	Citations
37	Visible Light-Driven Artificial Molecular Switch Actuated by Radicalâ€“Radical and Donorâ€“Acceptor Interactions. Journal of Physical Chemistry A, 2015, 119, 6317-6325.	1.1	31
38	Formation of ring-in-ring complexes between crown ethers and rigid TVBox⁸⁺. Chemical Communications, 2015, 51, 1432-1435.	2.2	19
39	Complexation of Polyoxometalates with Cyclodextrins. Journal of the American Chemical Society, 2015, 137, 4111-4118.	6.6	150
40	Redox Control of the Binding Modes of an Organic Receptor. Journal of the American Chemical Society, 2015, 137, 11057-11068.	6.6	55
41	An Electrochromic Tristable Molecular Switch. Journal of the American Chemical Society, 2015, 137, 13484-13487.	6.6	78
42	Folding of Oligoviologens Induced by Radicalâ€“Radical Interactions. Journal of the American Chemical Society, 2015, 137, 876-885.	6.6	65
43	Extended metal-carbohydrate frameworks. Pure and Applied Chemistry, 2014, 86, 1323-1334.	0.9	25
44	Second-Sphere Coordination Revisited. Chimia, 2014, 68, 315.	0.3	42
45	Assembly of Supramolecular Nanotubes from Molecular Triangles and 1,2-Dihalohydrocarbons. Journal of the American Chemical Society, 2014, 136, 16651-16660.	6.6	81
46	A Squareâ€Planar Tetracoordinate Oxygenâ€Containing Ti₄O₁₇ Cluster Stabilized by Two 1,1â€²â€Ferrocenedicarboxylato Ligands. Angewandte Chemie - International Edition, 2014, 53, 9193-9197.	7.2	41
47	Two-point halogen bonding between 3,6-dihalopyromellitic diimides. Chemical Science, 2014, 5, 4242-4248.	3.7	32
48	Electron Sharing and Anionâ€“Ï€ Recognition in Molecular Triangular Prisms. Angewandte Chemie - International Edition, 2013, 52, 13100-13104.	7.2	160
49	A Radically Configurable Six-State Compound. Science, 2013, 339, 429-433.	6.0	158
50	Synthesis and solution-state dynamics of donorâ€“acceptor oligorotaxane foldamers. Chemical Science, 2013, 4, 1470.	3.7	43
51	Threeâ€Dimensional Architectures Incorporating Stereoregular Donorâ€“Acceptor Stacks. Chemistry - A European Journal, 2013, 19, 8457-8465.	1.7	28
52	Selective isolation of gold facilitated by second-sphere coordination with Î±-cyclodextrin. Nature Communications, 2013, 4, 1855.	5.8	156
53	Photoexpulsion of Surface-Grafted Ruthenium Complexes and Subsequent Release of Cytotoxic Cargos to Cancer Cells from Mesoporous Silica Nanoparticles. Journal of the American Chemical Society, 2013, 135, 11603-11613.	6.6	128
54	RÃ¼cktitelbild: Electron Sharing and Anion-Ï€ Recognition in Molecular Triangular Prisms (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	0

#	Article	IF	Citations
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.	3.3	46
56	A Semiconducting Organic Radical Cationic Hostâ€“Guest Complex. ACS Nano, 2012, 6, 9964-9971.	7.3	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.	6.6	123
58	Controlling Switching in Bistable [2]Catenanes by Combining Donorâ€“Acceptor and Radicalâ€“Radical Interactions. Journal of the American Chemical Society, 2012, 134, 11709-11720.	6.6	70
59	A rigid donorâ€“acceptor daisy chain dimer. Chemical Communications, 2012, 48, 6791.	2.2	22
60	Oligomeric Pseudorotaxanes Adopting Infiniteâ€Chain Lattice Superstructures. Angewandte Chemie - International Edition, 2012, 51, 7231-7235.	7.2	34
61	Hydrogenâ€Bonding Induced Cooperative Effect on the Energy Transfer in Helical Polynorbornenes Appended with Porphyrinâ€Containing Amidic Alanine Linkers. Chemistry - an Asian Journal, 2010, 5, 1425-1438.	1.7	5
62	Coherently Aligned Porphyrinâ€Appended Polynorbornenes. Chemistry - A European Journal, 2009, 15, 5719-5728.	1.7	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.	1.6	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.	1.7	43
65	A High Yield and Pilot-Scale Process for the Preparation of Adapalene. Organic Process Research and Development, 2006, 10, 285-288.	1.3	25