

# Liang Zhao

## List of Publications by Citations

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67

papers

1,528

citations

23

h-index

36

g-index

72

ext. papers

1,744

ext. citations

7.4

avg, IF

5.17

L-index

#	Paper	IF	Citations
67	Multinuclear silver ethynide supramolecular synthons for the construction of coordination networks. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 456-67	4.5	119
66	Designed synthesis of metal cluster-centered pseudo-rotaxane supramolecular architectures. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8448-51	16.4	95
65	Stabilization of a reactive polynuclear silver carbide cluster through the encapsulation within a supramolecular cage. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 824-7	16.4	91
64	Synthesis and Molecular Recognition of Water-Soluble S6-Corona[3]arene[3]pyridazines. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8386-9	16.4	65
63	Assembly of polymeric silver(I) complexes of isomeric phenylenediethynides with the supramolecular synthons Ag <sub>n</sub> subset C2-R-C2 superset Ag <sub>n</sub> (R = p-, m-, o-C6H4; n = 4, 5). <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 14966-7	16.4	65
62	Novel μ <sub>5</sub> -coordination modes of aryl and alkyl ethynides and classification of metal-ligand interactions in silver(I) complexes. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 4865-72	4.8	61
61	Assembly of infinite silver(I) columns, chains, and bridged aggregates with supramolecular synthon bearing substituted phenylethynides. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 5927-36	4.8	56
60	Silver(I) 1,3-butadiynediide and two related silver(I) double salts containing the C <sub>4</sub> (2-) dianion. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 6852-3	16.4	50
59	Catalytic Asymmetric Tandem Reaction of Tertiary Enamides: Expedient Synthesis of Pyrrolo[2,1-a]isoquinoline Alkaloid Derivatives. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 3799-803	16.4	44
58	Synthesis of 2,3-Dihydro-1H-azepine and 1H-Azepin-2(3H)-one Derivatives From Intramolecular Condensation between Stable Tertiary Enamides and Aldehydes. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 12047-57	4.2	39
57	Structurally Well-Defined Sigmoidal Gold Clusters: Probing the Correlation between Metal Atom Arrangement and Chiroptical Response. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5634-43	16.4	39
56	Assembly of silver(I) two- and three-dimensional coordination networks with complementary tridentate heteroaryl ethynide ligands. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6480-9	5.1	36
55	Synthesis, Structure, and Molecular Recognition of S <sub>6</sub> - and (SO <sub>2</sub> ) <sub>6</sub> -Corona[6](het)arenes: Control of Macrocyclic Conformation and Properties by the Oxidation State of the Bridging Heteroatoms. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 6947-55	4.8	35
54	Structural diversity in coordination self-assembled networks of a multimodal ligand azacalix[4]pyrazine. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 3860-7	5.1	33
53	Ancillary ligands and spectator cations as controlling factors in the construction of coordination and hydrogen-bonded networks with the tert-Bu-C triple bond C superset Ag <sub>n</sub> (n=4, 5) supramolecular synthon. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 10437-44	4.8	33
52	Synthesis of tetra- and octa-aurated heteroaryl complexes towards probing aromatic indoliums. <i>Nature Communications</i> , <b>2016</b> , 7, 11489	17.4	31
51	Macrocyclic-Encircled Polynuclear Metal Clusters: Controllable Synthesis, Reactivity Studies, and Applications. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2535-2545	24.3	29

50	Synthesis and Crystal Structure of $\{[HNEt_3]_2n[Ag_8Ag_4/2(SC_6H_4tBu-4)_{12}]_n\}n[C_2H_5OH]$ and Its Reaction Product with CS <sub>2</sub> . <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 78-85	2.3	26
49	Synthesis of trifluoromethylthiolated azacalix[1]arene[3]pyridines from the Cu(II)-mediated direct trifluoromethylthiolation reaction of arenes via reactive arylcopper(III) intermediates. <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 880-886	5.2	25
48	Synthesis, Structure, and Properties of O6-Corona[3]arene[3]tetrazines. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 13766-13770	3.6	25
47	Assembly-Induced Strong Circularly Polarized Luminescence of Spirocyclic Chiral Silver(I) Clusters. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 1535-1539	16.4	25
46	A macrocycle-assisted nanoparticlization process for bulk AgS. <i>Chemical Science</i> , <b>2015</b> , 6, 654-658	9.4	24
45	Synthesis and Structure of Corona[6](het)arenes Containing Mixed Bridge Units. <i>Organic Letters</i> , <b>2016</b> , 18, 2668-71	6.2	24
44	Chiral metal cluster and nanocluster complexes and their application in asymmetric catalysis. <i>Tetrahedron Letters</i> , <b>2018</b> , 59, 310-316	2	23
43	Metallamacrocycle-modified gold nanoparticles: a new pathway for surface functionalization. <i>Chemical Communications</i> , <b>2014</b> , 50, 971-4	5.8	22
42	Dual templated synthesis of silver acetylide cluster-encapsulated supramolecular boxes. <i>Chemical Communications</i> , <b>2012</b> , 48, 8368-70	5.8	22
41	Functionalized imidazoliums from the three-component domino reaction of N-formylmethylcarboxamides with amines and isocyanides. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 909-913 <sup>5.2</sup>	5.2	21
40	Designed synthesis of a metal cluster-pillared coordination cage. <i>Chemical Communications</i> , <b>2012</b> , 48, 10877-9	5.8	21
39	Functionalized O6-Corona[6]arenes: Synthesis, Structure, and Fullerene Complexation Property. <i>Organic Letters</i> , <b>2016</b> , 18, 3126-9	6.2	19
38	Assembly of Silver-Organic Frameworks and Discrete Molecules Containing Embedded 1,3-Butadiyne-1,4-diide with Ancillary Heteroaromatic N-Donor Ligands. <i>Organometallics</i> , <b>2012</b> , 31, 7539-7547 <sup>3.8</sup>	3.8	18
37	Positive homotropic allosteric binding of silver(I) ions in multidentate azacalixpyridine macrocycles: effect on the formation and stabilization of silver nanoparticles. <i>Chemical Communications</i> , <b>2013</b> , 49, 7153-5	5.8	18
36	A merged copper(I/II) cluster isolated from Glaser coupling. <i>Nature Communications</i> , <b>2019</b> , 10, 4848	17.4	17
35	Silver(I) double and multiple salts containing the 1,3-butadiynediide dianion: coordination diversity and assembly with the supramolecular synthon Ag <sub>4</sub> [cap]C≡C≡C[cap]Ag <sub>4</sub> . <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 1240-57	4.5	17
34	Functionalization of Azacalixaromatics by Cu(II)-Catalyzed Oxidative Cross-Coupling Reaction between the Arene C-H Bond and Boronic Acids. <i>Organic Letters</i> , <b>2016</b> , 18, 5078-5081	6.2	16
33	Synthesis and Molecular Recognition of Water-Soluble S6-Corona[3]arene[3]pyridazines. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8506-8509	3.6	16

32	Synthesis, structure and metal binding property of internally 1,3-arylene-bridged azacalix[6]aromatics. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 10073-82	4.2	16
31	Molecular cage-bridged plasmonic structures with well-defined nanogaps as well as the capability of reversible and selective guest trapping. <i>Chemical Science</i> , <b>2018</b> , 9, 889-895	9.4	16
30	Synthesis of stable polymetalated aromatic complexes through metal-macrocycle capsule-triggered cyclization. <i>Chemical Science</i> , <b>2018</b> , 9, 1481-1487	9.4	15
29	Probing the Most Aromatic and Antiaromatic Pyrrolium Rings by Maximizing Hyperconjugation and Push-Pull Effect. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1419-1423	4.5	13
28	Synthesis and structural characterization of different topological coordination polymers based on tunable Cu <sub>4</sub> Br <sub>4</sub> Im secondary building units and macrocyclic azacalixaromatics. <i>Journal of Solid State Chemistry</i> , <b>2010</b> , 183, 3010-3016	3.3	13
27	Hyperconjugative aromaticity and protodeauration reactivity of polyaurated indoliums. <i>Nature Communications</i> , <b>2019</b> , 10, 5639	17.4	13
26	Supramolecular Assembly of Silver(I) Complexes with Argentophilic and Silver-Carbon Interactions <b>2012</b> , 323-366		12
25	Designed synthesis of size-tunable Ag <sub>2</sub> S nanoclusters via distinguishable C-S bond cleavage reaction of alkyl- and aryl-thiolates. <i>Dalton Transactions</i> , <b>2015</b> , 44, 3963-6	4.3	10
24	Enantioselective Synthesis of 4-Hydroxytetrahydropyridine Derivatives by Intramolecular Addition of Tertiary Enamides to Aldehydes. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 4493-4496	3.6	10
23	Synthesis, Structure and Coordination Self-Assembly of Azacalix[4-n]pyridine[n]pyrazines (n=1B). <i>Chinese Journal of Chemistry</i> , <b>2013</b> , 31, 589-597	4.9	10
22	Polynuclear organometallic clusters: synthesis, structure, and reactivity studies. <i>Chemical Communications</i> , <b>2020</b> , 56, 1915-1925	5.8	10
21	Integration of acetylenic carbon clusters and silver clusters: template synthesis and stability enhancement. <i>Chemical Communications</i> , <b>2016</b> , 52, 5682-5	5.8	9
20	Catalytic Asymmetric Tandem Reaction of Tertiary Enamides: Expeditious Synthesis of Pyrrolo[2,1-a]isoquinoline Alkaloid Derivatives. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 3863-3867	3.6	8
19	Temperature dependent chiroptical response of sigmoidal gold clusters: probing the stability of chiral metal clusters. <i>Chemical Science</i> , <b>2018</b> , 9, 5614-5622	9.4	8
18	Macrocyclic Aryl-Nickel(II) Complexes: Synthesis, Structure, and Reactivity Studies. <i>Organometallics</i> , <b>2015</b> , 34, 5167-5174	3.8	7
17	Macrocycle-assisted synthesis of non-stoichiometric silver(i) halide electrocatalysts for efficient chlorine evolution reaction. <i>Chemical Science</i> , <b>2017</b> , 8, 5662-5668	9.4	6
16	Selective Formylation of Azacalixpyridine Macrocycles and Their Transformation to Molecular Semicages. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 9272-8	4.2	6
15	Construction and Multiple Exterior Surface Functionalization of Giant Molecular Cages. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 7895-7905	3.2	6

14	Bonded to Carbon or Nitrogen? This is a Question on the Regioselectivity in Hyperconjugative Aromaticity. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 3881-3886	4.2	6
13	Macrocyclic-ligand Induced Synthesis of Aryl Ethynides with Divergent Silver(I) Clusters. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 1824-1828	4.9	5
12	A stepwise bulk-to-cluster-to-particle transformation toward the efficient synthesis of alkynyl-protected silver nanoclusters. <i>Chemical Communications</i> , <b>2016</b> , 52, 7723-6	5.8	5
11	Assembly-Induced Strong Circularly Polarized Luminescence of Spirocyclic Chiral Silver(I) Clusters. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 1559-1563	3.6	5
10	Synthesis, Structures and Properties of C(sp <sup>2</sup> )-Centered Homo- and Hetero-Nuclear Gold Complexes. <i>Chinese Journal of Chemistry</i> , <b>2019</b> , 37, 276	4.9	4
9	Ion-Pairing Chirality Transfer in Atropisomeric Biaryl-Centered Gold Clusters. <i>CCS Chemistry</i> , <b>2021</b> , 3, 555-565	7.2	4
8	Pentanuclear Gold(I) Cluster with an Axially Chiral Biaryl Center: Synthesis and Chiral Transformation. <i>Chinese Journal of Chemistry</i> , <b>2019</b> , 37, 667-671	4.9	2
7	Multiresponsive Luminescent Behaviors of Assembled Spirocyclic Nonanuclear Silver(I) Clusters. <i>CCS Chemistry</i> , 1-14	7.2	2
6	Photoluminescence enhancement by controllable aggregation and polymerization of octanuclear gold clusters. <i>Chemical Communications</i> , <b>2021</b> , 57, 5770-5773	5.8	1
5	Unraveling the Structural Development of Peptide-Coordinated Iron-Sulfur Clusters: Prebiotic Evolution and Biosynthetic Strategies. <i>Chinese Journal of Chemistry</i> ,	4.9	0
4	Low Valent Palladium Clusters: Synthesis, Structures and Catalytic Applications. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 1897-1908	4.9	0
3	Structural Control and Chiroptical Response in Intrinsically Tetra- and Pentanuclear Chiral Gold Clusters.. <i>Inorganic Chemistry</i> , <b>2022</b> , 61, 4541-4549	5.1	0
2	Controllable Synthesis of Polynuclear Metal Clusters Within Macrocycles <b>2019</b> , 1-29		
1	Controllable Synthesis of Polynuclear Metal Clusters Within Macrocycles <b>2020</b> , 1223-1251		