

Liang Zhao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Structural Control and Chiroptical Response in Intrinsically Tetra- and Pentanuclear Chiral Gold Clusters. <i>Inorganic Chemistry</i> , 2022 , 61, 4541-4549	5.1	0
66	Assembly-Induced Strong Circularly Polarized Luminescence of Spirocyclic Chiral Silver(I) Clusters. <i>Angewandte Chemie</i> , 2021 , 133, 1559-1563	3.6	5
65	Assembly-Induced Strong Circularly Polarized Luminescence of Spirocyclic Chiral Silver(I) Clusters. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 1535-1539	16.4	25
64	Photoluminescence enhancement by controllable aggregation and polymerization of octanuclear gold clusters. <i>Chemical Communications</i> , 2021 , 57, 5770-5773	5.8	1
63	Ion-Pairing Chirality Transfer in Atropisomeric Biaryl-Centered Gold Clusters. <i>CCS Chemistry</i> , 2021 , 3, 555-565	7.2	4
62	Controllable Synthesis of Polynuclear Metal Clusters Within Macrocycles 2020 , 1223-1251		
61	Polynuclear organometallic clusters: synthesis, structure, and reactivity studies. <i>Chemical Communications</i> , 2020 , 56, 1915-1925	5.8	10
60	Low Valent Palladium Clusters: Synthesis, Structures and Catalytic Applications. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1897-1908	4.9	0
59	Synthesis, Structures and Properties of C(sp ²)-Centered Homo- and Hetero-Nuclear Gold Complexes. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 276	4.9	4
58	Pentanuclear Gold(I) Cluster with an Axially Chiral Biaryl Center: Synthesis and Chiral Transformation. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 667-671	4.9	2
57	Controllable Synthesis of Polynuclear Metal Clusters Within Macrocycles 2019 , 1-29		
56	A merged copper(I/II) cluster isolated from Glaser coupling. <i>Nature Communications</i> , 2019 , 10, 4848	17.4	17
55	Bonded to Carbon or Nitrogen? This is a Question on the Regioselectivity in Hyperconjugative Aromaticity. <i>Journal of Organic Chemistry</i> , 2019 , 84, 3881-3886	4.2	6
54	Hyperconjugative aromaticity and protodeauration reactivity of polyaurated indoliums. <i>Nature Communications</i> , 2019 , 10, 5639	17.4	13
53	Probing the Most Aromatic and Antiaromatic Pyrrolium Rings by Maximizing Hyperconjugation and Push-Pull Effect. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1419-1423	4.5	13
52	Synthesis of stable polymetalated aromatic complexes through metal-macrocycle capsule-triggered cyclization. <i>Chemical Science</i> , 2018 , 9, 1481-1487	9.4	15
51	Chiral metal cluster and nanocluster complexes and their application in asymmetric catalysis. <i>Tetrahedron Letters</i> , 2018 , 59, 310-316	2	23

50	Molecular cage-bridged plasmonic structures with well-defined nanogaps as well as the capability of reversible and selective guest trapping. <i>Chemical Science</i> , 2018 , 9, 889-895	9.4	16
49	Macrocyclic-Encircled Polynuclear Metal Clusters: Controllable Synthesis, Reactivity Studies, and Applications. <i>Accounts of Chemical Research</i> , 2018 , 51, 2535-2545	24.3	29
48	Temperature dependent chiroptical response of sigmoidal gold clusters: probing the stability of chiral metal clusters. <i>Chemical Science</i> , 2018 , 9, 5614-5622	9.4	8
47	Macrocyclic-assisted synthesis of non-stoichiometric silver(I) halide electrocatalysts for efficient chlorine evolution reaction. <i>Chemical Science</i> , 2017 , 8, 5662-5668	9.4	6
46	Macrocyclic-ligand Induced Synthesis of Aryl Ethynides with Divergent Silver(I) Clusters. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 1824-1828	4.9	5
45	Functionalization of Azacalixaromatics by Cu(II)-Catalyzed Oxidative Cross-Coupling Reaction between the Arene C-H Bond and Boronic Acids. <i>Organic Letters</i> , 2016 , 18, 5078-5081	6.2	16
44	Functionalized O6-Corona[6]arenes: Synthesis, Structure, and Fullerene Complexation Property. <i>Organic Letters</i> , 2016 , 18, 3126-9	6.2	19
43	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> , 2016 , 3, 880-886	5.2	25
42	Catalytic Asymmetric Tandem Reaction of Tertiary Enamides: Expedient Synthesis of Pyrrolo[2,1-a]isoquinoline Alkaloid Derivatives. <i>Angewandte Chemie</i> , 2016 , 128, 3863-3867	3.6	8
41	Synthesis, Structure, and Molecular Recognition of S6 - and (SO2)6 -Corona[6](het)arenes: Control of Macrocyclic Conformation and Properties by the Oxidation State of the Bridging Heteroatoms. <i>Chemistry - A European Journal</i> , 2016 , 22, 6947-55	4.8	35
40	Integration of acetylenic carbon clusters and silver clusters: template synthesis and stability enhancement. <i>Chemical Communications</i> , 2016 , 52, 5682-5	5.8	9
39	Catalytic Asymmetric Tandem Reaction of Tertiary Enamides: Expedient Synthesis of Pyrrolo[2,1-a]isoquinoline Alkaloid Derivatives. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3799-803	16.4	44
38	Synthesis of tetra- and octa-aurated heteroaryl complexes towards probing aromatic indoliums. <i>Nature Communications</i> , 2016 , 7, 11489	17.4	31
37	Synthesis and Structure of Corona[6](het)arenes Containing Mixed Bridge Units. <i>Organic Letters</i> , 2016 , 18, 2668-71	6.2	24
36	A stepwise bulk-to-cluster-to-particle transformation toward the efficient synthesis of alkynyl-protected silver nanoclusters. <i>Chemical Communications</i> , 2016 , 52, 7723-6	5.8	5
35	Structurally Well-Defined Sigmoidal Gold Clusters: Probing the Correlation between Metal Atom Arrangement and Chiroptical Response. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5634-43	16.4	39
34	Designed synthesis of size-tunable Ag2S nanoclusters via distinguishable C-S bond cleavage reaction of alkyl- and aryl-thiolates. <i>Dalton Transactions</i> , 2015 , 44, 3963-6	4.3	10
33	Macrocyclic Aryl[Nickel(II) Complexes: Synthesis, Structure, and Reactivity Studies. <i>Organometallics</i> , 2015 , 34, 5167-5174	3.8	7

- 32 Selective Formylation of Azacalixpyridine Macrocycles and Their Transformation to Molecular Semicages. *Journal of Organic Chemistry*, **2015**, 80, 9272-8 4.2 6
- 31 Synthesis of 2,3-Dihydro-1H-azepine and 1H-Azepin-2(3H)-one Derivatives From Intramolecular Condensation between Stable Tertiary Enamides and Aldehydes. *Journal of Organic Chemistry*, **2015**, 80, 12047-57 4.2 39
- 30 A macrocycle-assisted nanoparticlization process for bulk AgS. *Chemical Science*, **2015**, 6, 654-658 9.4 24
- 29 Synthesis and Molecular Recognition of Water-Soluble S6-Corona[3]arene[3]pyridazines. *Angewandte Chemie*, **2015**, 127, 8506-8509 3.6 16
- 28 Synthesis and Molecular Recognition of Water-Soluble S6-Corona[3]arene[3]pyridazines. *Angewandte Chemie - International Edition*, **2015**, 54, 8386-9 16.4 65
- 27 Metallamacrocycle-modified gold nanoparticles: a new pathway for surface functionalization. *Chemical Communications*, **2014**, 50, 971-4 5.8 22
- 26 Functionalized imidazoliums from the three-component domino reaction of N-formylmethylcarboxamides with amines and isocyanides. *Organic Chemistry Frontiers*, **2014**, 1, 909-913^{5.2} 21
- 25 Synthesis, Structure, and Properties of O6-Corona[3]arene[3]tetrazines. *Angewandte Chemie*, **2014**, 126, 13766-13770 3.6 25
- 24 Construction and Multiple Exterior Surface Functionalization of Giant Molecular Cages. *European Journal of Organic Chemistry*, **2014**, 2014, 7895-7905 3.2 6
- 23 Positive homotropic allosteric binding of silver(I) ions in multidentate azacalixpyridine macrocycles: effect on the formation and stabilization of silver nanoparticles. *Chemical Communications*, **2013**, 49, 7153-5 5.8 18
- 22 Synthesis, Structure and Coordination Self-Assembly of Azacalix[4-n]pyridine[n]pyrazines (n=1B). *Chinese Journal of Chemistry*, **2013**, 31, 589-597 4.9 10
- 21 Assembly of Silver-Organic Frameworks and Discrete Molecules Containing Embedded 1,3-Butadiyne-1,4-diide with Ancillary Heteroaromatic N-Donor Ligands. *Organometallics*, **2012**, 31, 7539-7547^{3.8} 18
- 20 Synthesis, structure and metal binding property of internally 1,3-arylene-bridged azacalix[6]aromatics. *Journal of Organic Chemistry*, **2012**, 77, 10073-82 4.2 16
- 19 Designed synthesis of a metal cluster-pillared coordination cage. *Chemical Communications*, **2012**, 48, 10877-9 5.8 21
- 18 Stabilization of a reactive polynuclear silver carbide cluster through the encapsulation within a supramolecular cage. *Journal of the American Chemical Society*, **2012**, 134, 824-7 16.4 91
- 17 Structural diversity in coordination self-assembled networks of a multimodal ligand azacalix[4]pyrazine. *Inorganic Chemistry*, **2012**, 51, 3860-7 5.1 33
- 16 Supramolecular Assembly of Silver(I) Complexes with Argentophilic and Silver-Carbon Interactions **2012**, 323-366 12
- 15 Enantioselective Synthesis of 4-Hydroxytetrahydropyridine Derivatives by Intramolecular Addition of Tertiary Enamides to Aldehydes. *Angewandte Chemie*, **2012**, 124, 4493-4496 3.6 10

14	Dual templated synthesis of silver acetylide cluster-encapsulated supramolecular boxes. <i>Chemical Communications</i> , 2012 , 48, 8368-70	5.8	22
13	Designed synthesis of metal cluster-centered pseudo-rotaxane supramolecular architectures. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8448-51	16.4	95
12	Synthesis and structural characterization of different topological coordination polymers based on tunable Cu ₄ Br ₄ ·nH ₂ O secondary building units and macrocyclic azacalixaromatics. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 3010-3016	3.3	13
11	Assembly of silver(I) two- and three-dimensional coordination networks with complementary tridentate heteroaryl ethynide ligands. <i>Inorganic Chemistry</i> , 2009 , 48, 6480-9	5.1	36
10	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(n) (n=4, 5) supramolecular synthon. <i>Chemistry - A European Journal</i> , 2008 , 14, 10437-44	4.8	33
9	Assembly of infinite silver(I) columns, chains, and bridged aggregates with supramolecular synthon bearing substituted phenylethyndes. <i>Chemistry - A European Journal</i> , 2007 , 13, 5927-36	4.8	56
8	Multinuclear silver ethynide supramolecular synthons for the construction of coordination networks. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 456-67	4.5	119
7	Silver(I) double and multiple salts containing the 1,3-butadiynediide dianion: coordination diversity and assembly with the supramolecular synthon Ag ₄ [C≡C]C≡C[Ag] ₄ . <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1240-57	4.5	17
6	Novel μ ₅ -coordination modes of aryl and alkyl ethynides and classification of metal-ligand interactions in silver(I) complexes. <i>Chemistry - A European Journal</i> , 2006 , 12, 4865-72	4.8	61
5	Assembly of polymeric silver(I) complexes of isomeric phenylenediethynides with the supramolecular synthons Ag _n subset C ₂ -R-C ₂ superset Ag _n (R = p-, m-, o-C ₆ H ₄ ; n = 4, 5). <i>Journal of the American Chemical Society</i> , 2005 , 127, 14966-7	16.4	65
4	Synthesis and Crystal Structure of {[HNEt ₃] ₂ n[Ag ₈ Ag ₄ /2(SC ₆ H ₄ tBu-4) ₁₂]n}·nH ₂ O and Its Reaction Product with CS ₂ . <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 78-85	2.3	26
3	Silver(I) 1,3-butadiynediide and two related silver(I) double salts containing the C ₄ (²⁻) dianion. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6852-3	16.4	50
2	Unraveling the Structural Development of Peptide-Coordinated Iron-Sulfur Clusters: Prebiotic Evolution and Biosynthetic Strategies. <i>Chinese Journal of Chemistry</i> ,	4.9	0
1	Multiresponsive Luminescent Behaviors of Assembled Spirocyclic Nonanuclear Silver(I) Clusters. <i>CCS Chemistry</i> , 1-14	7.2	2