

Liang Zhao

List of Publications by Year in descending order

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218381

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all docs

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docs citations

72
times ranked

1570
citing authors

#	ARTICLE	IF	CITATIONS
1	Multinuclear Silver Ethynide Supramolecular Synthons for the Construction of Coordination Networks. <i>Chemistry - an Asian Journal</i> , 2007, 2, 456-467.	1.7	124
2	Designed Synthesis of Metal Cluster-Centered Pseudo-Rotaxane Supramolecular Architectures. <i>Journal of the American Chemical Society</i> , 2011, 133, 8448-8451.	6.6	114
3	Stabilization of a Reactive Polynuclear Silver Carbide Cluster through the Encapsulation within a Supramolecular Cage. <i>Journal of the American Chemical Society</i> , 2012, 134, 824-827.	6.6	105
4	Synthesis and Molecular Recognition of Water-Soluble S_6 -Corona[3]arene[3]pyridazines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8386-8389.	7.2	74
5	Assembly of Polymeric Silver(I) Complexes of Isomeric Phenylenediethynides with the Supramolecular Synthons Agn, C ₂ R ₂ SfAg _n (R = p, m, o-C ₆ H ₄ ; n = 4, 5). <i>Journal of the American Chemical Society</i> , 2005, 127, 14966-14967.	6.6	67
6	Novel 1/45-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, 4865-4872.	1.7	61
7	Assembly-Induced Strong Circularly Polarized Luminescence of Spirocyclic Chiral Silver(I) Clusters. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1535-1539.	7.2	61
8	Silver(I) 1,3-Butadiynediide and Two Related Silver(I) Double Salts Containing the C ₄₂ - Dianion. <i>Journal of the American Chemical Society</i> , 2004, 126, 6852-6853.	6.6	57
9	Assembly of Infinite Silver(I) Columns, Chains, and Bridged Aggregates with Supramolecular Synthon Bearing Substituted Phenylethynides. <i>Chemistry - A European Journal</i> , 2007, 13, 5927-5936.	1.7	57
10	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, 3799-3803.	7.2	56
11	Macrocyclic-Encircled Polynuclear Metal Clusters: Controllable Synthesis, Reactivity Studies, and Applications. <i>Accounts of Chemical Research</i> , 2018, 51, 2535-2545.	7.6	49
12	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, 5634-5643.	6.6	48
13	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> , 2015, 80, 12047-12057.	1.7	47
14	Synthesis, Structure, and Molecular Recognition of S_6 - and $(SO_2)_2$ - S_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, 6947-6955.	1.7	42
15	Synthesis of tetra- and octa-aurated heteroaryl complexes towards probing aromatic indoliums. <i>Nature Communications</i> , 2016, 7, 11489.	5.8	41
16	Structural Diversity in Coordination Self-Assembled Networks of a Multimodal Ligand Azacalix[4]pyrazine. <i>Inorganic Chemistry</i> , 2012, 51, 3860-3867.	1.9	39
17	Assembly of Silver(I) Two- and Three-Dimensional Coordination Networks with Complementary Tridentate Heteroaryl Ethynide Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 6480-6489.	1.9	38
18	Ancillary Ligands and Spectator Cations as Controlling Factors in the Construction of Coordination and Hydrogen-Bonded Networks with the t -Bu $_2$ Ci $_{1/2}$ CaSfAg _n ($n = 4, 5$) Supramolecular Synthon. <i>Chemistry - A European Journal</i> , 2008, 14, 10437-10444.	1.7	37

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19	A merged copper(I/II) cluster isolated from Glaser coupling. <i>Nature Communications</i> , 2019, 10, 4848.	5.8	36
20	Chiral metal cluster and nanocluster complexes and their application in asymmetric catalysis. <i>Tetrahedron Letters</i> , 2018, 59, 310-316.	0.7	35
21	Synthesis and Crystal Structure of $\{[\text{HNEt}_3]_2\text{n}[\text{Ag}_8\text{Ag}_4/2(\text{SC}_6\text{H}_4\text{tBu-4})_{12}]_n \cdot n\text{C}_2\text{H}_5\text{OH}\}$ and Its Reaction Product with CS_2 . <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 78-85.	1.0	30
22	Synthesis of trifluoromethylthiolated azacalix[1]arene[3]pyridines from the Cu-mediated direct trifluoromethylthiolation reaction of arenes via reactive arylcopper intermediates. <i>Organic Chemistry Frontiers</i> , 2016, 3, 880-886.	2.3	30
23	Dual templated synthesis of silver acetylide cluster-encapsulated supramolecular boxes. <i>Chemical Communications</i> , 2012, 48, 8368.	2.2	28
24	Synthesis and Structure of Corona[6](het)arenes Containing Mixed Bridge Units. <i>Organic Letters</i> , 2016, 18, 2668-2671.	2.4	28
25	Hyperconjugative aromaticity and protodeauration reactivity of polyaurated indoliums. <i>Nature Communications</i> , 2019, 10, 5639.	5.8	28
26	Designed synthesis of a metal cluster-pillared coordination cage. <i>Chemical Communications</i> , 2012, 48, 10877.	2.2	27
27	A macrocycle-assisted nanoparticlization process for bulk Ag_2S . <i>Chemical Science</i> , 2015, 6, 654-658.	3.7	27
28	Metallamacrocycle-modified gold nanoparticles: a new pathway for surface functionalization. <i>Chemical Communications</i> , 2014, 50, 971-974.	2.2	24
29	Synthesis of stable polymetalated aromatic complexes through metal macrocycle capsule-triggered cyclization. <i>Chemical Science</i> , 2018, 9, 1481-1487.	3.7	24
30	Synthesis, Structure and Metal Binding Property of Internally 1,3-Arylene-Bridged Azacalix[6]aromatics. <i>Journal of Organic Chemistry</i> , 2012, 77, 10073-10082.	1.7	23
31	Polynuclear organometallic clusters: synthesis, structure, and reactivity studies. <i>Chemical Communications</i> , 2020, 56, 1915-1925.	2.2	23
32	Functionalized imidazoliniums from the three-component domino reaction of N-formylmethylcarboxamides with amines and isocyanides. <i>Organic Chemistry Frontiers</i> , 2014, 1, 909-913.	2.3	22
33	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.	2.4	22
34	Functionalized O_6 macrocyclic Corona[6]arenes: Synthesis, Structure, and Fullerene Complexation Property. <i>Organic Letters</i> , 2016, 18, 3126-3129.	2.4	22
35	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.	1.7	21
36	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> , 2013, 49, 7153.	2.2	20

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37	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.	3.7	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> , 2012, 31, 7539-7547.	1.1	18
39	Silver(I) Double and Multiple Salts Containing the 1,3-Butadiyne-1,4-diide Dianion: Coordination Diversity and Assembly with the Supramolecular Synthons Ag_4 , $C_8S_2C_8S_2C_8S_2C_8S_2$ and Ag_4 . <i>Chemistry - an Asian Journal</i> , 2007, 2, 1240-1257.		17
40	A Binuclear Cerium-Based Metal-Organic Framework as an Artificial Monooxygenase for the Saturated Hydrocarbon Aerobic Oxidation with High Efficiency and High Selectivity. <i>ACS Catalysis</i> , 2022, 12, 7821-7832.	5.5	17
41	Synthesis, Structure and Coordination Self-Assembly of Azacalix[4]pyridine[3]pyrazines ($n=3$). <i>Chinese Journal of Chemistry</i> , 2013, 31, 589-597.	2.6	15
42	Temperature dependent chiroptical response of sigmoidal gold clusters: probing the stability of chiral metal clusters. <i>Chemical Science</i> , 2018, 9, 5614-5622.	3.7	14
43	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.	1.7	14
44	Synthesis and structural characterization of different topological coordination polymers based on tunable Cu_4Br_4 secondary building units and macrocyclic azacalixaromatics. <i>Journal of Solid State Chemistry</i> , 2010, 183, 3010-3016.	1.4	13
45	Designed synthesis of size-tunable Ag_2S nanoclusters via distinguishable C-S bond cleavage reaction of alkyl- and aryl-thiolates. <i>Dalton Transactions</i> , 2015, 44, 3963-3966.	1.6	10
46	Integration of acetylenic carbon clusters and silver clusters: template synthesis and stability enhancement. <i>Chemical Communications</i> , 2016, 52, 5682-5685.	2.2	10
47	Low Valent Palladium Clusters: Synthesis, Structures and Catalytic Applications. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1897-1908.	2.6	10
48	Macrocyclic Aryl-Nickel(II) Complexes: Synthesis, Structure, and Reactivity Studies. <i>Organometallics</i> , 2015, 34, 5167-5174.	1.1	9
49	Assembly-Induced Strong Circularly Polarized Luminescence of Spirocyclic Chiral Silver(I) Clusters. <i>Angewandte Chemie</i> , 2021, 133, 1559-1563.	1.6	9
50	Ion-Pairing Chirality Transfer in Atropisomeric Biaryl-Centered Gold Clusters. <i>CCS Chemistry</i> , 2021, 3, 555-565.	4.6	9
51	Construction and Multiple Exterior Surface Functionalization of Giant Molecular Cages. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7895-7905.	1.2	8
52	A stepwise bulk-to-cluster-to-particle transformation toward the efficient synthesis of alkylnyl-protected silver nanoclusters. <i>Chemical Communications</i> , 2016, 52, 7723-7726.	2.2	8
53	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.	1.6	8
54	Selective Formylation of Azacalixpyridine Macrocycles and Their Transformation to Molecular Semicages. <i>Journal of Organic Chemistry</i> , 2015, 80, 9272-9278.	1.7	7

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55	Macrocyclic-assisted synthesis of non-stoichiometric silver(I) halide electrocatalysts for efficient chlorine evolution reaction. <i>Chemical Science</i> , 2017, 8, 5662-5668.	3.7	6
56	Macrocyclic Ligand Induced Synthesis of Aryl Ethynides with Divergent Silver(I) Clusters. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1824-1828.	2.6	6
57	Multiresponsive Luminescent Behaviors of Assembled Spirocyclic Nonanuclear Silver(I) Clusters. <i>CCS Chemistry</i> , 2022, 4, 3364-3377.	4.6	5
58	Synthesis, Structures and Properties of C(sp ²)-Centered Homo- and Hetero-Nuclear Gold Complexes. <i>Chinese Journal of Chemistry</i> , 2019, 37, 276-291.	2.6	4
59	Photoluminescence enhancement by controllable aggregation and polymerization of octanuclear gold clusters. <i>Chemical Communications</i> , 2021, 57, 5770-5773.	2.2	4
60	Structural Control and Chiroptical Response in Intrinsically Tetra- and Pentanuclear Chiral Gold Clusters. <i>Inorganic Chemistry</i> , 2022, 61, 4541-4549.	1.9	4
61	Pentanuclear Gold(I) Cluster with an Axially Chiral Biaryl Center: Synthesis and Chiral Transformation. <i>Chinese Journal of Chemistry</i> , 2019, 37, 667-671.	2.6	2
62	Unraveling the Structural Development of Peptide-Coordinated Iron-Sulfur Clusters: Prebiotic Evolution and Biosynthetic Strategies. <i>Chinese Journal of Chemistry</i> , 0, , .	2.6	2
63	Pyridine Dicarbanion-bonded Ag ₁₃ Organometallic Nanoclusters: Synthesis and On-surface Oxidative Coupling Reaction. <i>Chemical Science</i> , 0, , .	3.7	2
64	Binding of Dual-Function Hybridized Metal-Organic Capsules to Enzymes for Cascade Catalysis. <i>Jacs Au</i> , 0, , .	3.6	2
65	Controllable Synthesis of Polynuclear Metal Clusters Within Macrocycles. , 2019, , 1-29.		0
66	Synthesis, carbon-polymetal bonding and applications of organometallic clusters. , 2021, , .		0
67	Controllable Synthesis of Polynuclear Metal Clusters Within Macrocycles. , 2020, , 1223-1251.		0