

# Xiao-Li Zhao

## List of Publications by Year in descending order

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90  
papers

1,911  
citations

279798

23  
h-index

315739

38  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1975  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cinchona alkaloid-based phosphoramidate catalyzed highly enantioselective Michael addition of unprotected 3-substituted oxindoles to nitroolefins. <i>Chemical Science</i> , 2011, 2, 2035.	7.4	161
2	Diastereo- and enantioselective [3+3] cycloaddition of spirocyclopropyl oxindoles using both aldonitrones and ketonitrones. <i>Nature Communications</i> , 2017, 8, 1619.	12.8	84
3	Switchable organoplatinum metallacycles with high quantum yields and tunable fluorescence wavelengths. <i>Nature Communications</i> , 2019, 10, 4285.	12.8	73
4	A pillar[5]arene and crown ether fused bicyclic host: synthesis, guest discrimination and simultaneous binding of two guests with different shapes, sizes and electronic constitutions. <i>Chemical Communications</i> , 2014, 50, 10460-10463.	4.1	70
5	Highly stereoselective construction of adjacent tetrasubstituted carbon stereogenic centres via an organocatalytic Mukaiyama-aldol reaction of monofluorinated silyl enol ethers to isatins. <i>Organic Chemistry Frontiers</i> , 2014, 1, 742.	4.5	69
6	Construction of $\pi$ -Surface-Metalated Pillar[5]arenes which Bind Anions via Anion- $\pi$ Interactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14438-14442.	13.8	64
7	A versatile fluorescent dye based on naphthalimide: highly selective detection of Hg <sup>2+</sup> in aqueous solution and living cells and its aggregation-induced emission behaviour. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1083-1090.	4.5	56
8	Total Syntheses of Rhodomolleins XX and XXII: A Reductive Epoxide-Opening/Beckwith-Dowd Approach. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8556-8560.	13.8	56
9	Asymmetric Formal [3+2] Cycloaddition Reaction of $\alpha$ -Aryl Isocyanates with $\alpha$ -Aryl Maleimides by Bifunctional Cinchona Alkaloids-Based Squaramide/AgSbF <sub>6</sub> Cooperative Catalysis. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2777-2781.	3.3	47
10	A1/A2-Diamino-Substituted Pillar[5]arene-Based Acid-Base-Responsive Host-Guest System. <i>Journal of Organic Chemistry</i> , 2016, 81, 3877-3881.	3.2	45
11	Efficient self-assembly of heterometallic triangular necklace with strong antibacterial activity. <i>Nature Communications</i> , 2020, 11, 3178.	12.8	43
12	A [2]rota[2]catenane, constructed from a pillar[5]arene-crown ether fused double-cavity macrocycle: synthesis and structural characterization. <i>Chemical Communications</i> , 2015, 51, 13882-13885.	4.1	40
13	An ionic phosphine-ligated rhodium(III) complex as the efficient and recyclable catalyst for biphasic hydroformylation of 1-octene. <i>Journal of Molecular Catalysis A</i> , 2013, 378, 293-298.	4.8	38
14	Unexpected Self-Assembly of Chiral Triangles from 90° Chiral Di-Pt(II) Acceptors. <i>Organic Letters</i> , 2014, 16, 664-667.	4.6	36
15	Co-catalysis of a bi-functional ligand containing phosphine and Lewis acidic phosphonium for hydroformylation-acetalization of olefins. <i>Green Chemistry</i> , 2016, 18, 1798-1806.	9.0	35
16	Hierarchical Self-Assembly of an Alkynylplatinum(II) Bzimy-Functionalized Metallacage via Pt- $\pi$ -Pt and $\pi$ - $\pi$ Interactions. <i>Inorganic Chemistry</i> , 2018, 57, 3516-3520.	4.0	35
17	Stable Ionic Rh(I,II,III) Complexes Ligated by an Imidazolium-Substituted Phosphine with $\pi$ -Acceptor Character: Synthesis, Characterization, and Application to Hydroformylation. <i>Organometallics</i> , 2013, 32, 2698-2704.	2.3	33
18	Efficient and recyclable Ir( $\sigma$ -alkyl)-catalysts with the involvement of $\pi$ -acceptor phosphines for N-alkylation of aryl amines with alcohols. <i>Green Chemistry</i> , 2017, 19, 1109-1116.	9.0	29

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19	Guest-regulated chirality switching of planar chiral <i>pseudo</i> [1]catenanes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2028-2032.	2.8	27
20	A supramolecular dual-donor artificial light-harvesting system with efficient visible light-harvesting capacity. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5250-5257.	4.5	27
21	Organocatalyzed asymmetric formal [3 + 2] cycloaddition of isocyanoacetates with <i>N</i> -itaconimides: facile access to optically active spiroproline succinimide derivatives. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3879-3884.	4.5	26
22	TEMPO Radical-Functionalized Supramolecular Coordination Complexes with Controllable Spin-Spin Interactions. <i>Journal of the American Chemical Society</i> , 2021, 143, 433-441.	13.7	26
23	Phosphane-Ligated Ionic Palladium Complexes: Synthesis, Characterization and Application as Efficient and Reusable Precatalysts for the Homogeneous Carbonylative Sonogashira Reaction under Cu-Free Conditions. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 975-985.	2.0	24
24	Asymmetric synthesis of dihydrocoumarins via catalytic sequential 1,6-addition/transesterification of $\alpha$ -isocyanoacetates with <i>para</i> -quinone methides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1637-1646.	2.8	24
25	Diastereo- and enantioselective Mannich/cyclization cascade reaction of isocyanoacetates with cyclic sulfamide ketimines by cinchona alkaloid squaramide/AgOAc cooperative catalysis. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4641-4649.	2.8	22
26	Highly efficient synthesis of non-planar macrocycles possessing intriguing self-assembling behaviors and ethene/ethyne capture properties. <i>Nature Communications</i> , 2020, 11, 5806.	12.8	22
27	Silver-mediated self-assembly of metallosupramolecular networks based on pyrimidine-containing oxalix[n]aromatics. <i>CrystEngComm</i> , 2011, 13, 1752.	2.6	21
28	Selectivity and Cooperativity in the Binding of Multiple Guests to a Pillar[5]arene-Crown Ether Fused Tricyclic Host. <i>Journal of Organic Chemistry</i> , 2015, 80, 7994-8000.	3.2	21
29	Effect of positive-charges in diphosphino-imidazolium salts on the structures of Ir-complexes and catalysis for hydroformylation. <i>Journal of Molecular Catalysis A</i> , 2016, 411, 337-343.	4.8	21
30	Synthesis, Structure and Conformation of Terphenylene-Derived Oxalixaromatics. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1448-1454.	2.4	20
31	The ionic mononuclear and trinuclear Au(I)-complexes ligated by phosphine-functionalized ionic liquids: Synthesis, characterization, and catalysis to hydration of phenylacetylene. <i>Journal of Organometallic Chemistry</i> , 2014, 762, 40-47.	1.8	20
32	Topological evolution and photoluminescent properties of a series of divalent zinc-based metal-organic frameworks tuned via ancillary ligating spacers. <i>Journal of Solid State Chemistry</i> , 2013, 200, 265-270.	2.9	19
33	A dual functional porous NbO-type metal-organic framework decorated with acylamide groups for selective sorption and catalysis. <i>Inorganic Chemistry Communication</i> , 2014, 46, 226-228.	3.9	19
34	Phosphonium-based aminophosphines as bifunctional ligands for sequential catalysis of one-pot hydroformylation-acetalization of olefins. <i>Catalysis Science and Technology</i> , 2016, 6, 3854-3861.	4.1	19
35	Acid-induced tunable white light emission based on triphenylamine derivatives. <i>Chinese Chemical Letters</i> , 2021, 32, 1537-1540.	9.0	19
36	Phosphine-ligated Ir(III)-complex as a bi-functional catalyst for one-pot tandem hydroformylation-acetalization. <i>Journal of Catalysis</i> , 2019, 373, 215-221.	6.2	18

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37	Structure diversity of a series of new coordination polymers based on a C <sub>3</sub> -symmetric tridentate ligand with rosette architecture. <i>Polyhedron</i> , 2012, 33, 127-136.	2.2	17
38	Diastereo- and Enantioselective Michael Addition of 3-Substituted Oxindoles to Trifluoromethyl-Substituted Nitro Olefins Catalyzed by a Cinchona-Alkaloid-Derived Squaramide. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 644-653.	2.4	17
39	Unprecedented metal-ion metathesis in a metal-carboxylate chain-based metal-organic framework. <i>CrystEngComm</i> , 2014, 16, 2344.	2.6	17
40	Engineering a pillar[5]arene-based supramolecular organic framework by a co-crystallization method. <i>Dalton Transactions</i> , 2018, 47, 5144-5148.	3.3	17
41	Facile construction of well-defined radical metallacycles through coordination-driven self-assembly. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1863-1871.	5.9	17
42	Temperature-Dependent Cinchona-Alkaloid Squaramide-Catalyzed Asymmetric Formal [3+2] Cycloaddition of Isocyanoacetates with Trifluoromethylated Enones. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3997-4005.	2.4	16
43	Novel multi-dentate phosphines for Pd-catalyzed alkoxy carbonylation of alkynes promoted by H <sub>2</sub> O additive. <i>Journal of Catalysis</i> , 2019, 371, 236-244.	6.2	16
44	Pillar[5]arene-Py-Cu Gel, the First Pillar[5]arene-Based Metallo(organo)gel, and Adsorption of Sudan III by Its Gel-Precipitate. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3551-3554.	2.0	15
45	Cinchona-Alkaloid Squaramide-Catalyzed Asymmetric Ugi-Type Reaction of Isocyanoacetates with C,N-Cyclic Azomethine Imines: Access to Chiral Oxazole-Substituted Tetrahydroisoquinolines. <i>Journal of Organic Chemistry</i> , 2019, 84, 14487-14497.	3.2	15
46	Pd-Catalyst Containing a Hemilabile P,C-Hybrid Ligand in Amino Dicarboxylation of Aryl Halides for Synthesis of $\pm$ -Ketoamides. <i>Organometallics</i> , 2021, 40, 1032-1041.	2.3	15
47	Ancillary ligand-assisted assembly of C <sub>3</sub> -symmetric 4,4'-nitrotribenzoic acid with divalent Zn <sup>2+</sup> ions: Syntheses, topological structures, and photoluminescence properties. <i>Journal of Solid State Chemistry</i> , 2015, 227, 155-164.	2.9	14
48	Asymmetric Total Synthesis of Norzoanthamine. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12807-12812.	13.8	14
49	Ancillary ligand-assisted structural diversity of six new MOFs with 5-(4-carboxybenzoylamino)-isophthalic acid: syntheses, crystal structures and photoluminescence properties. <i>CrystEngComm</i> , 2013, 15, 7522.	2.6	13
50	Metal-Organic Framework Based on Heptanuclear Cu-O Clusters and Its Application as a Recyclable Photocatalyst for Stepwise Selective Catalysis. <i>Inorganic Chemistry</i> , 2020, 59, 254-263.	4.0	13
51	Immobilization of a rhodium catalyst using a diphosphine-functionalized ionic liquid in RTIL for the efficient and recyclable biphasic hydroformylation of 1-octene. <i>Faraday Discussions</i> , 2016, 190, 219-230.	3.2	12
52	A two-dimensional porous framework: solvent-induced structural transformation and selective adsorption towards malachite green. <i>Dalton Transactions</i> , 2017, 46, 8350-8353.	3.3	12
53	Organocatalyzed asymmetric tandem conjugate addition-protonation of isocyanoacetates to 2-chloroacrylonitrile. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 639-645.	2.8	12
54	Amplified circularly polarized luminescence promoted by hierarchical self-assembly involving Pt <sup>II</sup> -Pt interactions. <i>Science China Materials</i> , 2022, 65, 469-476.	6.3	12

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55	Porphyrin-functionalized coordination star polymers and their potential applications in photodynamic therapy. <i>Polymer Chemistry</i> , 2019, 10, 6116-6121.	3.9	12
56	Influence of electrostatic repulsive force and electron-withdrawing effect in ionic diphosphine on regioselectivity of rhodium-catalyzed hydroformylation of 1-octene. <i>Journal of Molecular Catalysis A</i> , 2015, 402, 37-45.	4.8	10
57	A Shape-Persistent Cryptand for Capturing Polycyclic Aromatic Hydrocarbons. <i>Journal of Organic Chemistry</i> , 2016, 81, 5649-5654.	3.2	10
58	Construction of $\pi$ - $\pi$ Surface-Metalated Pillar[5]arenes which Bind Anions via Anion- $\pi$ Interactions. <i>Angewandte Chemie</i> , 2017, 129, 14630-14634.	2.0	10
59	Facile synthesis of diverse rotaxanes <i>via</i> successive supramolecular transformations. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2397-2402.	5.9	10
60	Cinchona alkaloid derived squaramide catalyzed diastereo- and enantioselective Michael addition of isocyanoacetates to 2-enoylpyridines. <i>Tetrahedron</i> , 2019, 75, 1171-1179.	1.9	10
61	Tetraamido-oxacalix[4]arene Derivatives: Synthesis, Structures and Supramolecular Assemblies. <i>Chinese Journal of Chemistry</i> , 2013, 31, 684-688.	4.9	9
62	Au-complex containing phosphino and imidazolyl moieties as a bi-functional catalyst for one-pot synthesis of pyridine derivatives. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 323-330.	4.8	9
63	Dual Stimuli-Responsive Cross-Linked AIE Supramolecular Polymer Constructed through Hierarchical Self-Assembly. <i>Israel Journal of Chemistry</i> , 2018, 58, 1265-1272.	2.3	9
64	Post-Synthetic Modification of Metal-Organic Frameworks Bearing Phenazine Radical Cations for aza-Diels-Alder Reactions. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3985-3992.	3.3	9
65	Carboxylic acid-derived oxacalix[2]arene[2]pyrazine self-assembles into unprecedented diamondoid networks. <i>CrystEngComm</i> , 2012, 14, 7869.	2.6	8
66	Ionic palladium complex as an efficient and recyclable catalyst for the carbonylative Sonogashira reaction. <i>Chinese Journal of Catalysis</i> , 2016, 37, 405-411.	14.0	8
67	Production of Alcohols from Olefins via One-Pot Tandem Hydroformylation-Acetalization-Hydrogenolysis over Bifunctional Catalyst Merging Ru <sup>III</sup> -P Complex and Ru <sup>III</sup> Lewis Acid. <i>Organometallics</i> , 2017, 36, 2404-2411.	2.3	8
68	A Diaminopillar[5]arene-Based Macrobicyclic Molecule: Synthesis, Characterization and A Lock-Key Story. <i>Chemistry - A European Journal</i> , 2019, 25, 2189-2194.	3.3	8
69	Redox Properties of <i>N,N</i> -Disubstituted Dihydrophenazine and Dihydrodibenzo[ <i>a,c</i> ]phenazine: The First Isolation of Their Crystalline Radical Cations and Dications. <i>Crystal Growth and Design</i> , 2022, 22, 3587-3593.	3.0	8
70	Au(I)-complexes ligated by hybrid P,S,N-ligands as the efficient catalysts for hydration of phenylacetylene. <i>Catalysis Communications</i> , 2015, 58, 169-173.	3.3	7
71	Synthesis and characterization of an unexpected mechanochromicbistricyclic aromatic ene. <i>Chinese Chemical Letters</i> , 2020, 31, 1847-1850.	9.0	7
72	Calixanthomycin A: Asymmetric Total Synthesis and Structural Determination. <i>Organic Letters</i> , 2021, 23, 1769-1774.	4.6	7

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73	Pillar[5]arene-Derived <i>endo</i> -Functionalized Molecular Tube for Mimicking Proteinâ€“Ligand Interactions. <i>Journal of Organic Chemistry</i> , 2021, 86, 6467-6477.	3.2	7
74	Triphenylamines consisting of bulky 3,5-diâ€“tertâ€“butylâ€“4-anisyl group: Synthesis, redox properties and their radical cation species. <i>Chinese Chemical Letters</i> , 2022, 33, 1870-1874.	9.0	7
75	Extended phenothiazines: synthesis, photophysical and redox properties, and efficient photocatalytic oxidative coupling of amines. <i>Chemical Science</i> , 2022, 13, 5252-5260.	7.4	7
76	Multiple-Functional Diphosphines: Synthesis, Characterization, and Application to Pd-Catalyzed Alkoxyacylation of Alkynes. <i>Organometallics</i> , 2022, 41, 750-760.	2.3	7
77	A metal-organic polyhedron based on dibenzothiophene ligand: Gas adsorption and reductive properties. <i>Inorganic Chemistry Communication</i> , 2016, 70, 10-13.	3.9	6
78	Aryl carbazole-based macrocycles: synthesis, their remarkably stable radical cations and hostâ€“guest complexation with fullerenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4678-4684.	4.5	6
79	Trigonal prismatic bicyclocalixaromatics, synthesis and structures. <i>Supramolecular Chemistry</i> , 2013, 25, 409-415.	1.2	5
80	A Trinuclear AuIComplex with Different R <sup>3</sup> P-Au Centers: Synthesis, Characterization, and Synergetic Catalysis for Hydration of Phenylacetylene. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1408-1416.	2.0	5
81	One-pot formal [3+3] cycloaddition of isocyanoacetates with in situ-derived azoalkenes for the synthesis of 1,4-dihydropyrimidine derivatives. <i>Tetrahedron</i> , 2021, 88, 132122.	1.9	5
82	BODIPY-based supramolecular fluorescent metallacages. <i>Chinese Chemical Letters</i> , 2023, 34, 107576.	9.0	5
83	Stereoselective Synthesis of the Core Structures of Pyrrocidines and Wortmannines through the Excited-State Nazarov Reactions. <i>Organic Letters</i> , 2021, 23, 2736-2741.	4.6	4
84	Synthesis and Supramolecular Assemblies of Tripodal 1,3,5â€“Tris(phenoxyethyl)â€“2,4,6â€“Triethylbenzene Analogues. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1503-1510.	4.9	3
85	Lanthanide complexes of anthraquinone-1,8-disulfonate: Syntheses, structures and catalytic studies. <i>Inorganic Chemistry Communication</i> , 2021, 130, 108682.	3.9	3
86	Organocatalytic asymmetric formal [3 + 2] cycloaddition reaction of isocyanoacetates with saccharin-derived 1-azadienes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3687-3697.	2.8	3
87	Supramolecular assembly of a series of new coordination polymers based on 4,4â€“(carbonylimino)dibenzoic acid: Syntheses, structures and photoluminescence investigation. <i>Polyhedron</i> , 2013, 55, 249-258.	2.2	2
88	Transition-metal doped titanium-oxo clusters with diverse structures and tunable photochemical properties. <i>New Journal of Chemistry</i> , 2022, 46, 3083-3086.	2.8	2
89	Structural variations and photoluminescent properties of a series of metal-organic frameworks constructed from 5-(4-carboxybenzoylamino)-isophthalic acid. <i>Journal of Solid State Chemistry</i> , 2013, 202, 250-256.	2.9	1
90	A neutral Cu-based MOF for effective quercetin extraction and conversion from natural onion juice. <i>RSC Advances</i> , 2019, 9, 33716-33721.	3.6	1