Pei-Zhou Li

List of Publications by Year in Descending Order

93 papers	5,201 citations	38 h-index	71 g-index
104 ext. papers	5,826 ext. citations	6.6 avg, IF	5.78 L-index

#	Paper	IF	Citations
93	Incorporating Photochromic Triphenylamine into a Zirconium-Organic Framework for Highly Effective Photocatalytic Aerobic Oxidation of Sulfides. *ACS Applied Materials & Interfaces*, **2021**, 13, 20137-20144	9.5	11
92	High Enhancement in Proton Conductivity by Incorporating Sulfonic Acids into a Zirconium-Based Metal-Organic Framework via "Click" Reaction. *Inorganic Chemistry*, **2021**, 60, 10089-10094	5.1	3
91	Low-Dimensional Hybrid Lead Iodide Perovskites Single Crystals via Bifunctional Amino Acid Cross-Linkage: Structural Diversity and Properties Controllability. *ACS Applied Materials & Interfaces*, **2021**, 13, 3325-3335	9.5	1
90	Facile construction of a click-based robust porous organic polymer and its in-situ sulfonation for proton conduction. *Microporous and Mesoporous Materials*, **2021**, 325, 111348	5.3	0
89	Self-Assembly of -Terminal Aryl Amino Acids into Adaptive Single- and Double-Strand Helices. *Journal of Physical Chemistry Letters*, **2020**, 11, 4147-4155	6.4	11
88	A Robust Aluminum Metal-Organic Framework with Temperature-Induced Breathing Effect **2020**, 2, 220-226		5
87	Understanding the Pathway of Gas Hydrate Formation with Porous Materials for Enhanced Gas Separation. *Research*, **2019**, 2019, 3206024	7.8	9
86	Click chemistry as a versatile reaction for construction and modification of metal-organic frameworks. *Coordination Chemistry Reviews*, **2019**, 380, 484-518	23.2	56
85	Greener and modular synthesis of triazine-based conjugated porous polymers via direct arylation polymerization: structure–function relationship and photocatalytic application. *Polymer Chemistry*, **2018**, 9, 1972-1982	4.9	27
84	Water-Binding-Mediated Gelation/Crystallization and Thermosensitive Superchirality. *Angewandte Chemie - International Edition*, **2018**, 57, 7774-7779	16.4	32
83	Titanium-based metal–organic frameworks for photocatalytic applications. *Coordination Chemistry Reviews*, **2018**, 359, 80-101	23.2	163
82	Experimental and Theoretical Investigation of Mesoporous MnO2 Nanosheets with Oxygen Vacancies for High-Efficiency Catalytic DeNOx. *ACS Catalysis*, **2018**, 8, 3865-3874	13.1	66
81	Water-Binding-Mediated Gelation/Crystallization and Thermosensitive Superchirality. *Angewandte Chemie*, **2018**, 130, 7900-7905	3.6	13
80	Environment-Adaptive Coassembly/Self-Sorting and Stimulus-Responsiveness Transfer Based on Cholesterol Building Blocks. *Advanced Science*, **2018**, 5, 1700552	13.6	40
79	Responsive mesoporous silica nanoparticles for sensing of hydrogen peroxide and simultaneous treatment toward heart failure. *Nanoscale*, **2017**, 9, 2253-2261	7.7	53
78	A highly porous metal-organic framework for large organic molecule capture and chromatographic separation. *Chemical Communications*, **2017**, 53, 3434-3437	5.8	27
77	Selective H2S/CO2 Separation by Metal–Organic Frameworks Based on Chemical-Physical Adsorption. *Journal of Physical Chemistry C*, **2017**, 121, 13249-13255	3.8	91

76	Understanding Pathway Complexity of Organic Micro/Nanofiber Growth in Hydrogen-Bonded Coassembly of Aromatic Amino Acids. *ACS Nano*, **2017**, 11, 4206-4216	16.7	44
75	Two metal□organic frameworks sharing the same basic framework show distinct interpenetration degrees and different performances in CO2 catalytic conversion. *CrystEngComm*, **2017**, 19, 4157-4161	3.3	10
74	Highly Effective Carbon Fixation via Catalytic Conversion of CO2 by an Acylamide-Containing Metal□Organic Framework. *Chemistry of Materials*, **2017**, 29, 9256-9261	9.6	88
73	Scalable Synthesis of Honeycomblike VO/Carbon Nanotube Networks as Enhanced Cathodes for Lithium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 42438-42443	9.5	18
72	Helicity Inversion of Supramolecular Hydrogels Induced by Achiral Substituents. *ACS Nano*, **2017**, 11, 11880-11889	16.7	48
71	A dual responsive □turn-on□ fluorophore for orthogonal selective sensing of biological thiols and hydrogen peroxide. *Journal of Materials Chemistry C*, **2016**, 4, 2761-2774	7.1	29
70	Room-temperature synthesis of bimetallic Co□n based zeolitic imidazolate frameworks in water for enhanced CO2 and H2 uptakes. *Journal of Materials Chemistry A*, **2016**, 4, 14932-14938	13	104
69	Ruthenium-Catalyzed Oxidative Homocoupling of Arylboronic Acids in Water: Ligand Tuned Reactivity and Mechanistic Study. *Inorganic Chemistry*, **2016**, 55, 6332-43	5.1	25
68	Troponate/Aminotroponate Ruthenium-Arene Complexes: Synthesis, Structure, and Ligand-Tuned Mechanistic Pathway for Direct C-H Bond Arylation with Aryl Chlorides in Water. *Inorganic Chemistry*, **2016**, 55, 6739-49	5.1	16
67	Enhancing Organic Phosphorescence by Manipulating Heavy-Atom Interaction. *Crystal Growth and Design*, **2016**, 16, 808-813	3.5	86
66	A Triazole-Containing Metal-Organic Framework as a Highly Effective and Substrate Size-Dependent Catalyst for CO2 Conversion. *Journal of the American Chemical Society*, **2016**, 138, 2142-5	16.4	415
65	A Cd(II)-based metal-organic framework as a luminance sensor to nitrobenzene and Tb(III) ion. *Dalton Transactions*, **2016**, 45, 6983-9	4.3	41
64	Metal-Organic Frameworks: Bimetallic Metal-Organic Frameworks: Probing the Lewis Acid Site for CO2 Conversion (Small 17/2016). *Small*, **2016**, 12, 2386-2386	11	2
63	Bimetallic Metal-Organic Frameworks: Probing the Lewis Acid Site for CO2 Conversion. *Small*, **2016**, 12, 2334-43	11	96
62	Doxorubicin-Loaded Metal□Organic Gels for pH and Glutathione Dual-Responsive Release. *ChemNanoMat*, **2016**, 2, 504-508	3.5	26
61	Macroscopic architecture of charge transfer-induced molecular recognition from electron-rich polymer interpenetrated porous frameworks. *ACS Applied Materials & Interfaces*, **2015**, 7, 5056-60	9.5	31
60	Controlled synthesis of concave cuboctahedral nitrogen-rich metal□organic framework nanoparticles showing enhanced catalytic activation of epoxides with carbon dioxide. *CrystEngComm*, **2015**, 17, 8596-8601	3.3	20
59	In Situ Integration of Anisotropic SnO□Heterostructures inside Three-Dimensional Graphene Aerogel for Enhanced Lithium Storage. *ACS Applied Materials & Interfaces*, **2015**, 7, 26085-93	9.5	23

58	Synthesis of Microporous Nitrogen-Rich Covalent-Organic Framework and Its Application in CO2 Capture. *Chinese Journal of Chemistry*, **2015**, 33, 90-94	4.9	48
57	Clicked Isoreticular Metal□Organic Frameworks and Their High Performance in the Selective Capture and Separation of Large Organic Molecules. *Angewandte Chemie*, **2015**, 127, 12939-12943	3.6	16
56	Clicked Isoreticular Metal-Organic Frameworks and Their High Performance in the Selective Capture and Separation of Large Organic Molecules. *Angewandte Chemie - International Edition*, **2015**, 54, 12748-52	16.4	85
55	An iGlu receptor antagonist and its simultaneous use with an anticancer drug for cancer therapy. *Chemistry - A European Journal*, **2015**, 21, 6123-31	4.8	6
54	A urea decorated (3,24)-connected rht-type metal□organic framework exhibiting high gas uptake capability and catalytic activity. *CrystEngComm*, **2015**, 17, 4632-4636	3.3	30
53	New challenge of metal□organic frameworks for high-efficient separation of hydrogen chloride toward clean hydrogen energy. *Journal of Materials Chemistry A*, **2015**, 3, 5275-5279	13	17
52	"Turn-on" fluorescence probe integrated polymer nanoparticles for sensing biological thiol molecules. *Scientific Reports*, **2014**, 4, 7057	4.9	26
51	A p-type Ti(IV)-based metal-organic framework with visible-light photo-response. *Chemical Communications*, **2014**, 50, 3786-8	5.8	375
50	Biocompatible, Uniform, and Redispersible Mesoporous Silica Nanoparticles for Cancer-Targeted Drug Delivery In Vivo. *Advanced Functional Materials*, **2014**, 24, 2450-2461	15.6	212
49	Fabrication of novel hybrid nanoflowers from boron nitride nanosheets and metal□organic frameworks: a solid acid catalyst with enhanced catalytic performance. *Journal of Materials Chemistry A*, **2014**, 2, 18731-18735	13	30
48	Surfactant-thermal syntheses, structures, and magnetic properties of Mn-Ge-sulfides/selenides. *Inorganic Chemistry*, **2014**, 53, 10248-56	5.1	39
47	{[M(NH3)6][Ag4M4Sn3Se13]}□(M=Zn, Mn): Three-dimensional chalcogenide frameworks constructed from quaternary metal selenide clusters with two different transition metals. *Journal of Solid State Chemistry*, **2014**, 218, 146-150	3.3	15
46	Surfactant media to grow new crystalline cobalt 1,3,5-benzenetricarboxylate metal-organic frameworks. *Inorganic Chemistry*, **2014**, 53, 8529-37	5.1	131
45	"Click"-extended nitrogen-rich metal-organic frameworks and their high performance in CO2-selective capture. *Chemical Communications*, **2014**, 50, 4683-5	5.8	55
44	Intracellular redox-activated anticancer drug delivery by functionalized hollow mesoporous silica nanoreservoirs with tumor specificity. *Biomaterials*, **2014**, 35, 7951-62	15.6	126
43	Drug encapsulation and release by mesoporous silica nanoparticles: the effect of surface functional groups. *Chemistry - A European Journal*, **2014**, 20, 11276-82	4.8	27
42	An amine functionalized rht-type metal-organic framework with the improved performance for gas uptake. *Inorganic Chemistry Communication*, **2014**, 46, 13-16	3.1	15
41	Pyridinium-fused pyridinone: a novel "turn-on" fluorescent chemodosimeter for cyanide. *Chemistry - an Asian Journal*, **2014**, 9, 121-5	4.5	30

40	[4 + 2] cycloaddition reaction to approach diazatwistpentacenes: synthesis, structures, physical properties, and self-assembly. *Journal of Organic Chemistry*, **2014**, 79, 4438-45	4.2	68
39	[enH][Cu2AgSnS4]: a quaternary layered sulfide based on Cu2AgSnS4 composition. *CrystEngComm*, **2014**, 16, 5989-5992	3.3	32
38	An rht-type metal–organic framework constructed from an unsymmetrical ligand exhibiting high hydrogen uptake capability. *RSC Advances*, **2014**, 4, 53975-53980	3.7	14
37	Surfactant-thermal method to synthesize a novel two-dimensional oxochalcogenide. *Chemistry - an Asian Journal*, **2014**, 9, 131-4	4.5	74
36	Surfactant-thermal method to prepare two novel two-dimensional MnSbS compounds for photocatalytic applications. *Journal of Solid State Chemistry*, **2014**, 220, 118-123	3.3	27
35	Rationally "clicked" post-modification of a highly stable metal–organic framework and its high improvement on CO2-selective capture. *RSC Advances*, **2013**, 3, 15566	3.7	27
34	DNA/protein binding, molecular docking, and in vitro anticancer activity of some thioether-dipyrrinato complexes. *Inorganic Chemistry*, **2013**, 52, 13984-96	5.1	120
33	Solvothermal syntheses of three new one-dimensional ternary selenidostannates: [DBNH][M1/2Sn1/2Se2] (M=Mn, Zn, Hg). *Journal of Solid State Chemistry*, **2013**, 204, 86-90	3.3	10
32	A rationally designed nitrogen-rich metal-organic framework and its exceptionally high CO(2) and H(2) uptake capability. *Scientific Reports*, **2013**, 3, 1149	4.9	117
31	DNA binding and anti-cancer activity of redox-active heteroleptic piano-stool Ru(II), Rh(III), and Ir(III) complexes containing 4-(2-methoxypyridyl)phenyldipyrromethene. *Inorganic Chemistry*, **2013**, 52, 3687-98	5.1	120
30	Co(II)-tricarboxylate metal–organic frameworks constructed from solvent-directed assembly for CO2 adsorption. *Microporous and Mesoporous Materials*, **2013**, 176, 194-198	5.3	30
29	Microporous polymelamine network for highly selective CO2 adsorption. *Polymer*, **2013**, 54, 596-600	3.9	36
28	Kinetically controlling phase transformations of crystalline mercury selenidostannates through surfactant media. *Inorganic Chemistry*, **2013**, 52, 4148-50	5.1	115
27	Nitrogen-rich porous adsorbents for CO2 capture and storage. *Chemistry - an Asian Journal*, **2013**, 8, 1680-91	4.5	86
26	ZIF-8 immobilized nickel nanoparticles: highly effective catalysts for hydrogen generation from hydrolysis of ammonia borane. *Chemical Communications*, **2012**, 48, 3173-5	5.8	206
25	Heteroleptic dipyrrinato complexes containing 5-ferrocenyldipyrromethene and dithiocarbamates as coligands: selective chromogenic and redox probes. *Inorganic Chemistry*, **2012**, 51, 8916-30	5.1	41
24	Significant gas uptake enhancement by post-exchange of zinc(II) with copper(II) within a metal-organic framework. *Chemical Communications*, **2012**, 48, 10286-8	5.8	102
23	Metal-Nanoparticle Catalyzed Hydrogen Generation from Liquid-Phase Chemical Hydrogen Storage Materials. *Journal of the Chinese Chemical Society*, **2012**, 59, 1181-1189	1.5	10

22	Photoassisted "gate-lock" fluorescence "turn-on" in a new Schiff base and coordination ability of E-Z isomers. *Organic Letters*, **2012**, 14, 592-5	6.2	10
21	Highly Dispersed Surfactant-Free Nickel Nanoparticles and Their Remarkable Catalytic Activity in the Hydrolysis of Ammonia Borane for Hydrogen Generation. *Angewandte Chemie*, **2012**, 124, 6857-6860	3.6	16
20	Highly dispersed surfactant-free nickel nanoparticles and their remarkable catalytic activity in the hydrolysis of ammonia borane for hydrogen generation. *Angewandte Chemie - International Edition*, **2012**, 51, 6753-6	16.4	149
19	Top-down fabrication of crystalline metal-organic framework nanosheets. *Chemical Communications*, **2011**, 47, 8436-8	5.8	266
18	Fluorescent zinc(II) complex exhibiting "on-off-on" switching toward Cu2+ and Ag+ ions. *Inorganic Chemistry*, **2011**, 50, 3189-97	5.1	99
17	Homo-chiral self-assemblies and magnetic studies of M(II)-2,2?-bipyridine-4,4?-dicarboxylate coordination polymers. *Inorganic Chemistry Communication*, **2011**, 14, 411-414	3.1	1
16	Self-assembly of three 1-D zinc Benzenedicarboxylate coordination polymers with 1,10-phenanthroline. *Journal of Coordination Chemistry*, **2010**, 63, 3923-3932	1.6	20
15	Synthesis and characterization of Ru(IV) and Rh(I) complexes containing phenylimidazole ligands. *Journal of Organometallic Chemistry*, **2010**, 695, 1924-1931	2.3	6
14	Synthesis, characterization and reactivity of arene ruthenium compounds based on 2,2?-dipyridylamine and di-2-pyridylbenzylamine and their applications in catalytic hydrogen transfer of ketones. *Journal of Organometallic Chemistry*, **2010**, 695, 2205-2212	2.3	23
13	Two 1-D europium coordination polymers: synthesis, crystal structure and fluorescence. *Journal of Coordination Chemistry*, **2009**, 62, 797-807	1.6	8
12	catena-Poly[[(2,2′-bipyridine-κ N,N′)cobalt(II)]-μ-oxalato-κ O,O:O,O]. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, m508		2
11	Self-assembly of a neutral luminescent Au(12) cluster with D(2) symmetry. *Chemical Communications*, **2008**, 5514-6	5.8	42
10	Solvothermal synthesis, structure and properties of two new compounds based on Keggin polyoxometalates decorated by copper complexes. *Journal of Coordination Chemistry*, **2008**, 61, 3753-3762	1.6	11
9	Synthesis and characterization of [Fe(μ-Cl)2(phen)] n and [Fe(H2O)3(phen)SO4]. *Journal of Coordination Chemistry*, **2008**, 61, 1568-1574	1.6	6
8	Syntheses, crystal structures and magnetic behaviors of three MnII-terephthalate coordination polymers containing terminal ligands. *Polyhedron*, **2008**, 27, 2402-2408	2.7	19
7	pH-Directed assembly and magnetic properties of two polynuclear MnII complexes: (μ3-OH){Mn3(phen)2(OOCCH3)6} and 1-D [Mn(phen)Cl2]n. *Polyhedron*, **2008**, 27, 3669-3673	2.7	9
6	Synthesis, structure and magnetic property of a one-dimensional Co(II)-formate helical coordination polymer. *Journal of Molecular Structure*, **2008**, 890, 112-115	3.4	11
5	Self-assembly of two 3D coordination polymers based on NiII/CoII-terephthalic 1D blocks. *Inorganica Chimica Acta*, **2008**, 361, 293-298	2.7	7

4	Self-Assembly of Two Chiral Supramolecules with Three-Dimensional Porous Host Frameworks: (Delta){[Fe(II)(phen)(3)][Fe(III)Na(C(2)O(4))(3)]}(n)() and Its Enantiomer. *Inorganic Chemistry*, **2007**, 46, 5823-5	5.1	30
3	Nickel Complexes Bearing 2-(Benzimidazol-2-yl)-1,10-phenanthrolines: Synthesis, Characterization and Their Catalytic Behavior Toward Ethylene Oligomerization. *European Journal of Inorganic Chemistry*, **2007**, 2007, 3816-3826	2.3	71
2	Synthesis, Characterization and Ethylene Oligomerization Studies of Nickel Complexes Bearing 2-Benzimidazolylpyridine Derivatives. *Organometallics*, **2007**, 26, 2439-2446	3.8	124
1	Effective Photocatalytic Initiation of Reactive Oxygen Species by a Photoactive Covalent Organic Framework for Oxidation Reactions1160-1167		3