Yun Ling

List of Publications by Year
in descending order

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59 papers	1,601 citations	331259 21 h-index	315357 38 g-index
59 all docs	59 docs citations	59 times ranked	2581 citing authors

#	Article	IF	Citations
1	Synthesis of nitrogen-doped hollow carbon nanospheres for CO₂capture. Chemical Communications, 2014, 50, 329-331.	2.2	215
2	Revisiting the Na_{2/3}Ni_{1/3}Mn_{2/3}O₂ Cathode: Oxygen Redox Chemistry and Oxygen Release Suppression. ACS Central Science, 2020, 6, 232-240.	5.3	145
3	Constructing Three-Dimensional Mesoporous Bouquet-Posy-like TiO₂ Superstructures with Radially Oriented Mesochannels and Single-Crystal Walls. Journal of the American Chemical Society, 2017, 139, 517-526.	6.6	76
4	Mesoporous TiO₂ Mesocrystals: Remarkable Defects-Induced Crystallite-Interface Reactivity and Their in Situ Conversion to Single Crystals. ACS Central Science, 2015, 1, 400-408.	5.3	74
5	Unprecedented highly efficient capture of glycopeptides by Fe₃O₄@Mg-MOF-74 coreâ€“shell nanoparticles. Chemical Communications, 2017, 53, 4018-4021.	2.2	69
6	Hydrothermal synthesis of nitrogen-containing carbon nanodots as the high-efficient sensor for copper(II) ions. Materials Research Bulletin, 2013, 48, 1728-1731.	2.7	68
7	Crystal transformation synthesis of a highly stable phosphonate MOF for selective adsorption of CO₂. CrystEngComm, 2013, 15, 2040-2043.	1.3	63
8	A zinc(ii) metalâ€“organic framework based on triazole and dicarboxylate ligands for selective adsorption of hexane isomers. Chemical Communications, 2011, 47, 7197.	2.2	55
9	Enhancing CO₂adsorption of a Zn-phosphonocarboxylate framework by pore space partitions. Chemical Communications, 2013, 49, 78-80.	2.2	55
10	Periodic Mesoporous Organosilica Nanocubes with Ultrahigh Surface Areas for Efficient CO2 Adsorption. Scientific Reports, 2016, 6, 20769.	1.6	49
11	Facile preparation of nitrogen-doped porous carbon from waste tobacco by a simple pre-treatment process and their application in electrochemical capacitor and CO2 capture. Materials Research Bulletin, 2015, 64, 327-332.	2.7	48
12	A highly stable indium phosphonocarboxylate framework as a multifunctional sensor for Cu²⁺ and methylviologen ions. Dalton Transactions, 2015, 44, 3794-3800.	1.6	40
13	Novel Iso-Reticular Zn(ii) Metalâ€“Organic Frameworks constructed by Trinuclear-Triangular and Paddle-Wheel Units: Synthesis, Structure and Gas Adsorption. Dalton Transactions, 2012, 41, 4007.	1.6	34
14	TEA-assistant synthesis of MOF-74 nanorods for drug delivery and in-vitro magnetic resonance imaging. Microporous and Mesoporous Materials, 2021, 315, 110900.	2.2	33
15	A novel green phosphorescent silver(i) coordination polymer with three-fold interpenetrated CdSO4-type net generated via in situ reaction. CrystEngComm, 2011, 13, 1504-1508.	1.3	31
16	Two-step synthesis, structure and adsorption property of a dynamic zinc phosphonocarboxylate framework. CrystEngComm, 2011, 13, 3378.	1.3	30
17	Tannic acid-mediated synthesis of dual-heteroatom-doped hollow carbon from a metalâ€“organic framework for efficient oxygen reduction reaction. Dalton Transactions, 2018, 47, 7812-7818.	1.6	30
18	Discovery of a Novel Series of 7-Azaindole Scaffold Derivatives as PI3K Inhibitors with Potent Activity. ACS Medicinal Chemistry Letters, 2017, 8, 875-880.	1.3	28

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19	A three-dimensional structure built of paddle-wheel and triazolate-dinuclear metal clusters: synthesis, deformation and reformation of paddle-wheel unit in the single-crystal-to-single-crystal transformation. CrystEngComm, 2013, 15, 7031.	1.3	27
20	Photoelectrochemical properties of MOF-induced surface-modified TiO2 photoelectrode. Nanoscale, 2018, 10, 20339-20346.	2.8	25
21	A robust etb-type metalâ€“organic framework showing polarity-exclusive adsorption of acetone over methanol for their azeotropic mixture. Chemical Communications, 2019, 55, 6495-6498.	2.2	23
22	A Series of Metalâ€“Organic Frameworks Built of Triazolate-Trinuclear and Paddlewheel Units: Solid-Solution Framework Approach for Optimizing CO₂ Adsorption and Separation. Crystal Growth and Design, 2015, 15, 5794-5801.	1.4	21
23	A flexible porous metalâ€“azolate framework constructed by [Cu3(Î¼3-OH)(Î¼2-O)(triazolate)2]+ building blocks: synthesis, reversible structural transformation and related magnetic properties. CrystEngComm, 2013, 15, 3484.	1.3	20
24	Reticular chemistry approach to explore the catalytic CO2-epoxide cycloaddition reaction over tetrahedral coordination Lewis acidic sites in a Rutile-type Zinc-phosphonocarboxylate framework. Chemical Engineering Journal, 2022, 427, 131759.	6.6	20
25	End-End Connection Pattern of Trinuclear-Triangular Copper Cluster for Construction of Two Metalâ€“Organic Frameworks: Syntheses, Structures, Magnetic and Gas Adsorption Properties. Crystal Growth and Design, 2015, 15, 1526-1534.	1.4	19
26	Tuning the adsorption behaviors of water, methanol, and ethanol in a porous material by varying the flexibility of substituted groups. Dalton Transactions, 2016, 45, 7235-7239.	1.6	19
27	Single Molecular Wellsâ€“Dawsonâ€Like Heterometallic Cluster for the In Situ Functionalization of Ordered Mesoporous Carbon: A T₁â€•and T₂â€Weighted Dualâ€Mode Magnetic Resonance Imaging Agent and Drug Delivery System. Advanced Functional Materials, 2017, 27, 1605313.	7.8	19
28	Preparation of highly dispersed Î³-Fe₂O₃ and GdPO₄ co-functionalized mesoporous carbon spheres for dual-mode MR imaging and anti-cancer drug carrying. Journal of Materials Chemistry B, 2017, 5, 3765-3770.	2.9	18
29	Integrating Zeolite-Type Chalcogenide with Titanium Dioxide Nanowires for Enhanced Photoelectrochemical Activity. Langmuir, 2017, 33, 13634-13639.	1.6	18
30	Cation-Exchange Approach to Tuning the Flexibility of a Metalâ€“Organic Framework for Gated Adsorption. Inorganic Chemistry, 2017, 56, 5069-5075.	1.9	16
31	Solvothermal in situ synthesis of cyanide-containing ternary silver(I) coordination polymers and their phosphorescent properties. CrystEngComm, 2012, 14, 1425-1431.	1.3	15
32	Schmidt Reaction of Ketones in DME Solution in a Continuous-Flow Microreactor. Organic Process Research and Development, 2014, 18, 1589-1592.	1.3	15
33	Structural diversity of a series of coordination polymers built from 5-substituted isophthalic acid with or without a methyl-functionalized N-donor ligand. CrystEngComm, 2016, 18, 1363-1375.	1.3	15
34	Systematic exploration of a rutile-type zinc(ii)â€“phosphonocarboxylate open framework: the factors that influence the structure. Dalton Transactions, 2010, 39, 10712.	1.6	13
35	Acid-induced Zn(<scp>ii</scp>)-based metalâ€“organic frameworks for encapsulation and sensitization of lanthanide cations. CrystEngComm, 2015, 17, 2294-2300.	1.3	11
36	Unlocking Interâ€•to Nonâ€Penetrating Frameworks Using Steric Influences on Spacers for CO₂ Adsorption. Chemistry - an Asian Journal, 2015, 10, 2117-2120.	1.7	10

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37	Three Zinc(II) Phosphonates: Syntheses, Structures and Sensing of Copper(II) Ions. ChemPlusChem, 2016, 81, 822-827.	1.3	10
38	Bioisosteric replacements of the indole moiety for the development of a potent and selective PI3KÎ´ inhibitor: Design, synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2021, 223, 113661.	2.6	10
39	Amine-directed structural studies of four zinc metal-organic frameworks based on a novel phosphonocarboxylate ligand. Inorganic Chemistry Communication, 2013, 37, 93-96.	1.8	9
40	A self-catenated rob-type porous coordination polymer constructed from triazolate and carboxylate ligands: fluorescence response to the reversible phase transformation. CrystEngComm, 2015, 17, 6023-6029.	1.3	9
41	A Cu^Iâ€Phosphonotriazolate Coordination Polymer Based on [Cu^I₄Cl] Cluster for Fluorescent Sensing of O₂. ChemistrySelect, 2016, 1, 1917-1920.	0.7	9
42	Cobalt substitution in a flexible metalâ€“organic framework: modulating a soft paddle-wheel unit for tunable gate-opening adsorption. Dalton Transactions, 2019, 48, 7100-7104.	1.6	9
43	Hollow carbon nanospheres dotted with Gdâ€“Fe nanoparticles for magnetic resonance and photoacoustic imaging. Nanoscale, 2021, 13, 10943-10952.	2.8	9
44	Discovery of cinnoline derivatives as potent PI3K inhibitors with antiproliferative activity. Bioorganic and Medicinal Chemistry Letters, 2021, 48, 128271.	1.0	9
45	Development of anti-breast cancer PI3K inhibitors based on 7-azaindole derivatives through scaffold hopping: Design, synthesis and in vitro biological evaluation. Bioorganic Chemistry, 2021, 117, 105405.	2.0	8
46	A polyacrylonitrile copolymer-silica template for three-dimensional hierarchical porous carbon as a Pt catalyst support for the oxygen reduction reaction. Dalton Transactions, 2017, 46, 9912-9917.	1.6	7
47	Predicting and creating 7-connected Zn₄O vertices for the construction of an exceptional metalâ€“organic framework with nanoscale cages. CrystEngComm, 2015, 17, 1923-1926.	1.3	6
48	Synergistic integration of FeNi magnetic nanoparticles with graphene-based porous carbon for efficient capture of N-linked glycans. Nanoscale, 2020, 12, 24188-24195.	2.8	6
49	Post-synthetic anchoring Fe(III) into a fcu-type Zr-MOF for the catalyzed hydrolysis of 5-hydroxylmethoxyfurfural. Microporous and Mesoporous Materials, 2021, 328, 111449.	2.2	5
50	In situ embedding dual-Fe nanoparticles in synchronously generated carbon for the synergistic integration of magnetic resonance imaging and drug delivery. Nanoscale Advances, 2020, 2, 5296-5304.	2.2	5
51	Hollow carbon nanospheres embedded with stoichiometric Î³-Fe₂O₃ and GdPO₄: tuning the nanospheres for in vitro and in vivo size effect evaluation. Nanoscale Advances, 2022, 4, 1414-1421.	2.2	5
52	Gadolinium-based contrast agents built of DO3A-pyridine scaffold: Precisely tuning carboxylate group for enhanced magnetic resonance imaging. Chinese Chemical Letters, 2023, 34, 107685.	4.8	4
53	Ir^{III}â€based Octahedral Metalloligands Derived Primitive Cubic Frameworks for Enhanced CO₂/N₂ Separation. Chemistry - an Asian Journal, 2017, 12, 3110-3113.	1.7	3
54	Precise regulating synergistic effect in metalâ€“organic framework for stepwise-controlled adsorption. Inorganic Chemistry Frontiers, 2021, 8, 1666-1674.	3.0	3

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55	Multimetal lanthanide phosphonocarboxylate frameworks: structures, colour tuning and near-infrared emission. Dalton Transactions, 2021, 50, 7380-7387.	1.6	3
56	Peptide identification of hepatocyte growth-promoting factor and its function in cytoprotection and promotion of liver cell proliferation through the JAK2/STAT3/c-MYC pathway. European Journal of Pharmacology, 2022, 920, 174832.	1.7	3
57	Syntheses, Crystal Structures, and Reversible Structural Transformation of Two Zinc Coordination Polymers. Chemistry Letters, 2014, 43, 997-998.	0.7	2
58	Ultrafine Fe-modulated Ni nanoparticles embedded within nitrogen-doped carbon from Zr-MOFs-confined conversion for efficient oxygen evolution reaction. Frontiers of Chemical Science and Engineering, 0, , 1.	2.3	0
59	Unprecedented Ferromagnetic Exchange Coupling of a Square-Planar Cu₄O unit in a scu-Type Porous Metalâ€“Organic Framework and Its Reticular Chemistry. Crystal Growth and Design, 0, , .	1.4	0