Tao Li

List of Publications by Year
in descending order

52 papers	5,199 citations	182225 30 h-index	190340 53 g-index
54 all docs	54 docs citations	54 times ranked	5603 citing authors

#	Article	IF	Citations
1	Scaling resistance by fluoro-treatments: the importance of wetting states. Journal of Materials Chemistry A, 2022, 10, 3058-3068.	5.2	13
2	One-step solvent-free aerobic oxidation of aliphatic alcohols to esters using a tandem Scâ€“RuâŠ‚MOF catalyst. Green Chemistry, 2022, 24, 1474-1480.	4.6	4
3	Two-dimensional Zr/Hf-hydroxamate metalâ€“organic frameworks. Chemical Communications, 2022, 58, 3601-3604.	2.2	12
4	Repetitive <i>in situ</i> recycling of degraded metalâ€“organic frameworks within nanocapsules. Journal of Materials Chemistry A, 2022, 10, 6607-6615.	5.2	3
5	Surface-Seal Encapsulation of a Homogeneous Catalyst in a Mesoporous Metalâ€“Organic Framework. Journal of the American Chemical Society, 2022, 144, 685-689.	6.6	32
6	Exploration of Hierarchical Metalâ€“Organic Framework as Ultralight, High-Strength Mechanical Metamaterials. Journal of the American Chemical Society, 2022, 144, 4393-4402.	6.6	21
7	Conjugated Boron Porous Polymers Having Strong pâˆ’Ï€* Conjugation for Amine Sensing and Absorption. Macromolecules, 2022, 55, 3850-3859.	2.2	9
8	Ultramicroporous Organophosphorus Polymers via Self-Accelerating Pâ€“C Coupling Reactions: Kinetic Effects on Crosslinking Environments and Porous Structures. Journal of the American Chemical Society, 2022, 144, 11748-11756.	6.6	12
9	Direct aerobic oxidation of monoalcohol and diols to acetals using tandem Ru@MOF catalysts. Nano Research, 2021, 14, 479-485.	5.8	27
10	A Physical Entangling Strategy for Simultaneous Interior and Exterior Modification of Metalâ€“Organic Framework with Polymers. Angewandte Chemie - International Edition, 2021, 60, 7389-7396.	7.2	42
11	Reverse synthesis of yolkâ€“shell metalâ€“organic frameworks. Chemical Communications, 2021, 57, 3415-3418.	2.2	7
12	<i>In situ</i> reconstruction of ZIF-8 loaded on fibrous supports. CrystEngComm, 2021, 23, 6490-6494.	1.3	2
13	A Physical Entangling Strategy for Simultaneous Interior and Exterior Modification of Metalâ€“Organic Framework with Polymers. Angewandte Chemie, 2021, 133, 7465-7472.	1.6	7
14	Coating the Right Polymer: Achieving Ideal Metalâ€“Organic Framework Particle Dispersibility in Polymer Matrixes Using a Coordinative Crosslinking Surface Modification Method. Angewandte Chemie, 2021, 133, 14257-14264.	1.6	14
15	Coating the Right Polymer: Achieving Ideal Metalâ€“Organic Framework Particle Dispersibility in Polymer Matrixes Using a Coordinative Crosslinking Surface Modification Method. Angewandte Chemie - International Edition, 2021, 60, 14138-14145.	7.2	48
16	Facile One-Step Metalâ€“Organic Framework Surface Polymerization Method. Inorganic Chemistry, 2021, 60, 11750-11755.	1.9	8
17	Sequential Oriented Growth of Zr-fcu-MOFs on Different Crystal Facets of MIL-96(Al). Crystal Growth and Design, 2021, 21, 4571-4578.	1.4	4
18	Enhancing the Gas Separation Selectivity of Mixed-Matrix Membranes Using a Dual-Interfacial Engineering Approach. Journal of the American Chemical Society, 2020, 142, 18503-18512.	6.6	86

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19	Robust Metalâ€“Triazolate Frameworks for CO₂ Capture from Flue Gas. Journal of the American Chemical Society, 2020, 142, 2750-2754.	6.6	159
20	Engineering plasticization resistant gas separation membranes using metalâ€“organic nanocapsules. Chemical Science, 2020, 11, 4687-4694.	3.7	22
21	Tracking and Visualization of Functional Domains in Stratified Metalâ€“Organic Frameworks Using Gold Nanoparticles. ACS Central Science, 2020, 6, 247-253.	5.3	13
22	Structure of the Au_{23âˆ’<i>x</i>}Ag_{<i>x</i>}(Sâ€Adm)₁₅ Nanocluster and Its Application for Photocatalytic Degradation of Organic Pollutants. Angewandte Chemie, 2019, 131, 11457-11461.	1.6	10
23	Structural Control of Uniform MOF-74 Microcrystals for the Study of Adsorption Kinetics. ACS Applied Materials & Interfaces, 2019, 11, 35820-35826.	4.0	36
24	A generalizable method for the construction of MOF@polymer functional composites through surface-initiated atom transfer radical polymerization. Chemical Science, 2019, 10, 1816-1822.	3.7	75
25	Seaming the interfaces between topologically distinct metalâ€“organic frameworks using random copolymer glues. Nanoscale, 2019, 11, 2121-2125.	2.8	26
26	Structure of the Au_{23âˆ’<i>x</i>}Ag_{<i>x</i>}(Sâ€Adm)₁₅ Nanocluster and Its Application for Photocatalytic Degradation of Organic Pollutants. Angewandte Chemie - International Edition, 2019, 58, 11335-11339.	7.2	63
27	Uncovering two kinetic factors in the controlled growth of topologically distinct coreâ€“shell metalâ€“organic frameworks. Chemical Science, 2019, 10, 7755-7761.	3.7	55
28	General Way To Construct Micro- and Mesoporous Metalâ€“Organic Framework-Based Porous Liquids. Journal of the American Chemical Society, 2019, 141, 19708-19714.	6.6	111
29	Directional Engraving within Single Crystalline Metalâ€“Organic Framework Particles via Oxidative Linker Cleaving. Journal of the American Chemical Society, 2019, 141, 20365-20370.	6.6	72
30	Increasing M₂(dobdc) Loading in Selective Mixed-Matrix Membranes: A Rubber Toughening Approach. Chemistry of Materials, 2018, 30, 1484-1495.	3.2	41
31	Suppressing the active site-blocking impact of ligands of Ni₆(SR)₁₂ clusters with the assistance of NH₃ on catalytic hydrogenation of nitriles. Nanoscale, 2018, 10, 19375-19382.	2.8	9
32	Interfacial Engineering in Metalâ€“Organic Framework-Based Mixed Matrix Membranes Using Covalently Grafted Polyimide Brushes. Journal of the American Chemical Society, 2018, 140, 17203-17210.	6.6	204
33	Adhesive bacterial amyloid nanofiber-mediated growth of metalâ€“organic frameworks on diverse polymeric substrates. Chemical Science, 2018, 9, 5672-5678.	3.7	18
34	Hierarchical Selfâ€Assembly of Supramolecular Coordination Polymers Using Giant Metalâ€“Organic Nanocapsules as Building Blocks. Chemistry - A European Journal, 2018, 24, 14335-14340.	1.7	21
35	Preparation of Magnesiumâ€Seamed <i>C</i>â€Alkylpyrogallol[4]arene Nanocapsules with Varying Chain Lengths. Chemistry - A European Journal, 2017, 23, 8520-8524.	1.7	15
36	Self-assembly of magnesium-seamed hexameric pyrogallol[4]arene nanocapsules. Chemical Communications, 2017, 53, 4312-4314.	2.2	32

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37	Enhanced ethylene separation and plasticization resistance in polymer membranes incorporating metalâ€“organic framework nanocrystals. Nature Materials, 2016, 15, 845-849.	13.3	413
38	Observation of Bodyâ€Centered Cubic Gold Nanocluster. Angewandte Chemie - International Edition, 2015, 54, 9826-9829.	7.2	147
39	Fabrication of MMMs with improved gas separation properties using externally-functionalized MOF particles. Journal of Materials Chemistry A, 2015, 3, 5014-5022.	5.2	283
40	Alumina-supported cobaltâ€“adeninate MOF membranes for CO₂/CH₄ separation. Journal of Materials Chemistry A, 2014, 2, 1239-1241.	5.2	96
41	Crystal structure and electronic properties of a thiolate-protected Au24 nanocluster. Nanoscale, 2014, 6, 6458.	2.8	237
42	Cyclopentanethiolato-Protected Au₃₆(SC₅H₉)₂₄ Nanocluster: Crystal Structure and Implications for the Steric and Electronic Effects of Ligand. Journal of Physical Chemistry A, 2014, 118, 8264-8269.	1.1	101
43	Systematic modulation and enhancement of CO2â€‰:â€‰N2 selectivity and water stability in an isoreticular series of bio-MOF-11 analogues. Chemical Science, 2013, 4, 1746.	3.7	182
44	Stepwise Ligand Exchange for the Preparation of a Family of Mesoporous MOFs. Journal of the American Chemical Society, 2013, 135, 11688-11691.	6.6	310
45	Design and Preparation of a Coreâ€“Shell Metalâ€“Organic Framework for Selective CO₂ Capture. Journal of the American Chemical Society, 2013, 135, 9984-9987.	6.6	271
46	Chiral Structure of Thiolate-Protected 28-Gold-Atom Nanocluster Determined by X-ray Crystallography. Journal of the American Chemical Society, 2013, 135, 10011-10013.	6.6	530
47	Screening and evaluating aminated cationic functional moieties for potential CO2 capture applications using an anionic MOF scaffold. Chemical Communications, 2013, 49, 11385.	2.2	46
48	Nonsuperatomic [Au₂₃(SC₆H₁₁)₁₆]^{âˆ’} Nanocluster Featuring Bipyramidal Au₁₅ Kernel and Trimeric Au₃(SR)₄ Motif. Journal of the American Chemical Society, 2013, 135, 18264-18267.	6.6	321
49	Total Structure and Optical Properties of a Phosphine/Thiolate-Protected Au₂₄ Nanocluster. Journal of the American Chemical Society, 2012, 134, 20286-20289.	6.6	201
50	Total Structure and Electronic Properties of the Gold Nanocrystal Au₃₆(SR)₂₄. Angewandte Chemie - International Edition, 2012, 51, 13114-13118.	7.2	519
51	Strain-Promoted â€œClickâ€•Modification of a Mesoporous Metalâ€“Organic Framework. Journal of the American Chemical Society, 2012, 134, 18886-18888.	6.6	125
52	Enhanced Stability of HZSM-5 Supported Ga2O3 Catalyst in Propane Dehydrogenation by Dealumination. Catalysis Letters, 2007, 119, 283-288.	1.4	47