

Xiu-Liang Lv

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

5,248
citations

236833

25
h-index

454834

30
g-index

33
all docs

33
docs citations

33
times ranked

5940
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Photocatalytic organic pollutants degradation in metal-organic frameworks. <i>Energy and Environmental Science</i> , 2014, 7, 2831-2867. | 15.6 | 1,430 |
| 2 | Highly Stable Zr(IV)-Based Metal-Organic Frameworks for the Detection and Removal of Antibiotics and Organic Explosives in Water. <i>Journal of the American Chemical Society</i> , 2016, 138, 6204-6216. | 6.6 | 1,273 |
| 3 | Pyrazolate-Based Porphyrinic Metal-Organic Framework with Extraordinary Base-Resistance. <i>Journal of the American Chemical Society</i> , 2016, 138, 914-919. | 6.6 | 303 |
| 4 | A Base-Resistant Metalloporphyrin Metal-Organic Framework for C-H Bond Halogenation. <i>Journal of the American Chemical Society</i> , 2017, 139, 211-217. | 6.6 | 250 |
| 5 | Tuning CO ₂ Selective Adsorption over N ₂ and CH ₄ in UiO-67 Analogues through Ligand Functionalization. <i>Inorganic Chemistry</i> , 2014, 53, 9254-9259. | 1.9 | 239 |
| 6 | Zr(IV)-Based Metal-Organic Framework with T-Shaped Ligand: Unique Structure, High Stability, Selective Detection, and Rapid Adsorption of Cr ₂ O ₇ ²⁻ in Water. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16650-16659. | 4.0 | 219 |
| 7 | Ligand Rigidification for Enhancing the Stability of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 10283-10293. | 6.6 | 172 |
| 8 | Hierarchically porous metal-organic frameworks: synthetic strategies and applications. <i>National Science Review</i> , 2020, 7, 1743-1758. | 4.6 | 161 |
| 9 | Metal-organic frameworks based on multicarboxylate linkers. <i>Coordination Chemistry Reviews</i> , 2021, 426, 213542. | 9.5 | 158 |
| 10 | A stable porphyrinic metal-organic framework pore-functionalized by high-density carboxylic groups for proton conduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14525-14529. | 5.2 | 121 |
| 11 | Temperature-Controlled Evolution of Nanoporous MOF Crystallites into Hierarchically Porous Superstructures. <i>CheM</i> , 2019, 5, 1265-1274. | 5.8 | 99 |
| 12 | Kinetically Controlled Reticular Assembly of a Chemically Stable Mesoporous Ni(II)-Pyrazolate Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 13491-13499. | 6.6 | 97 |
| 13 | One-Pot Multicomponent Cascade Reaction of <i>N,S</i> -Ketene Acetal: Solvent-Free Synthesis of Imidazo[1,2- <i>a</i>]thiochromeno[3,2- <i>e</i>]pyridines. <i>Organic Letters</i> , 2012, 14, 3470-3473. | 2.4 | 91 |
| 14 | A novel mesoporous hydrogen-bonded organic framework with high porosity and stability. <i>Chemical Communications</i> , 2020, 56, 66-69. | 2.2 | 76 |
| 15 | Linker Desymmetrization: Access to a Series of Rare-Earth Tetracarboxylate Frameworks with Eight-Connected Hexanuclear Nodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 2784-2791. | 6.6 | 61 |
| 16 | A Practice of Reticular Chemistry: Construction of a Robust Mesoporous Palladium Metal-Organic Framework via Metal Metathesis. <i>Journal of the American Chemical Society</i> , 2021, 143, 9901-9911. | 6.6 | 60 |
| 17 | Direct Solvent-Free Regioselective Construction of Pyrrolo[1,2- <i>a</i>][1,10]phenanthrolines Based on Isocyanide-Based Multicomponent Reactions. <i>Organic Letters</i> , 2013, 15, 1262-1265. | 2.4 | 55 |
| 18 | Tuning Water Sorption in Highly Stable Zr(IV)-Metal-Organic Frameworks through Local Functionalization of Metal Clusters. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27868-27874. | 4.0 | 54 |

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|----|---|-----|-----------|
| 19 | Flexible metal-organic frameworks for the wavelength-based luminescence sensing of aqueous pH. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10628-10639. | 2.7 | 45 |
| 20 | A high surface area Zr(IV)-based metal-organic framework showing stepwise gas adsorption and selective dye uptake. <i>Journal of Solid State Chemistry</i> , 2015, 223, 104-108. | 1.4 | 44 |
| 21 | A Series of Mesoporous Rare-Earth Metal-Organic Frameworks Constructed from Organic Secondary Building Units. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2053-2057. | 7.2 | 43 |
| 22 | Modular Programming of Hierarchy and Diversity in Multivariate Polymer/Metal-Organic Framework Hybrid Composites. <i>Journal of the American Chemical Society</i> , 2019, 141, 10342-10349. | 6.6 | 42 |
| 23 | Modular Total Synthesis in Reticular Chemistry. <i>Journal of the American Chemical Society</i> , 2020, 142, 3069-3076. | 6.6 | 42 |
| 24 | Imprinted Apportionment of Functional Groups in Multivariate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 14524-14529. | 6.6 | 35 |
| 25 | Dextrosil-Viologen: A Robust and Sustainable Anolyte for Aqueous Organic Redox Flow Batteries. <i>ACS Energy Letters</i> , 2022, 7, 2428-2434. | 8.8 | 34 |
| 26 | A Base-Resistant Zn ^{II} -Based Metal-Organic Framework: Synthesis, Structure, Postsynthetic Modification, and Gas Adsorption. <i>ChemPlusChem</i> , 2016, 81, 864-871. | 1.3 | 16 |
| 27 | Fixing Flexible Arms of Core-Shared Ligands to Enhance the Stability of Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2019, 58, 15909-15916. | 1.9 | 14 |
| 28 | Unique T-Shaped Ligand as a New Platform for Metal-Organic Frameworks. <i>Crystal Growth and Design</i> , 2019, 19, 430-436. | 1.4 | 10 |
| 29 | MOFs the movie: Molecule to nuclei evolution during metal-organic framework formation. <i>Matter</i> , 2022, 5, 11-13. | 5.0 | 2 |
| 30 | Nanocage containing metal-organic framework constructed from a newly designed low symmetry tetra-pyrazole ligand. <i>Journal of Coordination Chemistry</i> , 2016, 69, 3242-3249. | 0.8 | 1 |
| 31 | A Series of Mesoporous Rare-Earth Metal-Organic Frameworks Constructed from Organic Secondary Building Units. <i>Angewandte Chemie</i> , 2021, 133, 2081-2085. | 1.6 | 1 |