

# Mo Xie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/823582/publications.pdf>

Version: 2024-02-01

43  
papers

1,914  
citations

331670

21  
h-index

254184

43  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Orthogonal-array dynamic molecular sieving of propylene/propane mixtures. <i>Nature</i> , 2021, 595, 542-548.	27.8	273
2	Cage-Interconnected Metal-Organic Framework with Tailored Apertures for Efficient C <sub>2</sub> H <sub>6</sub> /C <sub>2</sub> H <sub>4</sub> Separation under Humid Conditions. <i>Journal of the American Chemical Society</i> , 2019, 141, 20390-20396.	13.7	212
3	Induced Fit of C <sub>2</sub> H <sub>2</sub> in a Flexible MOF Through Cooperative Action of Open Metal Sites. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8515-8519.	13.8	208
4	Shear-induced assembly of a transient yet highly stretchable hydrogel based on pseudopolyrotaxanes. <i>Nature Chemistry</i> , 2019, 11, 470-477.	13.6	161
5	Scalable Synthesis of Ultrathin Polyimide Covalent Organic Framework Nanosheets for High-Performance Lithium-Sulfur Batteries. <i>Journal of the American Chemical Society</i> , 2021, 143, 19446-19453.	13.7	104
6	Building a Pyrazole-Benzothiadiazole-Pyrazole Photosensitizer into Metal-Organic Frameworks for Photocatalytic Aerobic Oxidation. <i>Journal of the American Chemical Society</i> , 2021, 143, 21340-21349.	13.7	84
7	Immobilizing Redox-Active Tricycloquinazoline into a 2D Conductive Metal-Organic Framework for Lithium Storage. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24467-24472.	13.8	67
8	The $\pi$ -acidity/basicity of cyclic trinuclear units (CTUs): from a theoretical perspective to potential applications. <i>Chemical Communications</i> , 2019, 55, 7134-7146.	4.1	58
9	Tunable Multicolor Phosphorescence of Crystalline Polymeric Complex Salts with Metallophilic Backbones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6279-6283.	13.8	57
10	A metal-organic framework for C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> separation under highly humid conditions: Balanced hydrophilicity/hydrophobicity. <i>Chemical Engineering Journal</i> , 2022, 427, 132033.	12.7	53
11	Induced Fit of C <sub>2</sub> H <sub>2</sub> in a Flexible MOF Through Cooperative Action of Open Metal Sites. <i>Angewandte Chemie</i> , 2019, 131, 8603-8607.	2.0	52
12	Design and Synthesis of Chlorinated Benzothiadiazole-Based Polymers for Efficient Solar Energy Conversion. <i>ACS Energy Letters</i> , 2017, 2, 753-758.	17.4	51
13	Palladium( $\eta^2$ ) N-heterocyclic allenylidene complexes with extended intercationic Pd $\cdots$ Pd interactions and MMLCT phosphorescence. <i>Chemical Communications</i> , 2018, 54, 5319-5322.	4.1	39
14	Pressure-induced phosphorescence enhancement and piezochromism of a carbazole-based cyclic trinuclear Cu( $\eta^1$ ) complex. <i>Chemical Science</i> , 2021, 12, 4425-4431.	7.4	39
15	Turn-On Circularly Polarized Luminescence in Metal-Organic Frameworks. <i>Advanced Optical Materials</i> , 2021, 9, 2002096.	7.3	36
16	Pyrazine functionalization to boost the antenna effect in rare-earth metal-organic frameworks for tetracycline detection. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1714-1721.	6.0	35
17	Ultrasensitive and highly selective detection of formaldehyde <i>via</i> an adenine-based biological metal-organic framework. <i>Materials Chemistry Frontiers</i> , 2021, 5, 2416-2424.	5.9	34
18	A microporous <i>shp</i> -topology metal-organic framework with an unprecedented high-nuclearity Co <sub>10</sub> -cluster for iodine capture and histidine detection. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4300-4309.	5.9	27



#	ARTICLE	IF	CITATIONS
37	Network structure and properties of crosslinked bio-based epoxy resin composite: An in-silico multiscale strategy with dynamic curing reaction process. <i>Giant</i> , 2021, 7, 100063.	5.1	7
38	Biomimetic mimicry of formaldehyde-induced DNA-protein crosslinks in the confined space of a metal-organic framework. <i>Chemical Science</i> , 2022, 13, 4813-4820.	7.4	7
39	How mutations affecting the ligand-receptor interactions: a combined MD and QM/MM calculation on CYP2E1 and its two mutants. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 1029-1038.	2.6	6
40	Mechanistic Study on Graphene Oxidation by $\text{KMnO}_4$ in Solution Phase and Resultant Carbon-Carbon Unzipping. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11165-11173.	3.1	5
41	Helically chiral Pd(ii) complexes containing intramolecular Pd-Pd metallophilicity as circularly polarized molecular phosphors. <i>Chemical Communications</i> , 2021, 57, 1627-1630.	4.1	5
42	Kinetic Separation of $\text{C}_2\text{H}_6/\text{C}_2\text{H}_4$ in A Cage-Interconnected Metal-Organic Framework: An Interaction-Screening Mechanism. <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	5
43	Optical properties of dye based on hydroxamate improved with designed tridentate ligands for dye sensitized solar cell: a theoretical study. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 830-834.	2.6	3