# Xue Wenjuan

List of Publications by Year
in descending order



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|---|---|---|---|
| 23 papers | 1,184 citations | 516710 16 h-index | 642732 23 g-index |
| 23 all docs | 23 docs citations | 23 times ranked | 940 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Self-adaptive dual-metal-site pairs in metal-organic frameworks for selective CO2 photoreduction to CH4. Nature Catalysis, 2021, 4, 719-729. | 34.4 | 406 |
| 2 | Morphology controlled synthesis of Î±-Fe2O3-x with benzimidazole-modified Fe-MOFs for enhanced photo-Fenton-like catalysis. Applied Catalysis B: Environmental, 2021, 291, 120129. | 20.2 | 105 |
| 3 | IL-induced formation of dynamic complex iodide anions in IL@MOF composites for efficient iodine capture. Journal of Materials Chemistry A, 2019, 7, 18324-18329. | 10.3 | 91 |
| 4 | Ionic Liquid/Metalâ€“Organic Framework Composites for H<sub>2</sub>S Removal from Natural Gas: A Computational Exploration. Journal of Physical Chemistry C, 2015, 119, 3674-3683. | 3.1 | 86 |
| 5 | Rigidifying induced fluorescence enhancement in 2D porous covalent triazine framework nanosheets for the simultaneously luminous detection and adsorption removal of antibiotics. Chemical Engineering Journal, 2020, 384, 123382. | 12.7 | 83 |
| 6 | Effects of ionic liquid dispersion in metal-organic frameworks and covalent organic frameworks on CO2 capture: A computational study. Chemical Engineering Science, 2016, 140, 1-9. | 3.8 | 53 |
| 7 | Synergistic effect of the metal-support interaction and interfacial oxygen vacancy for CO2 hydrogenation to methanol over Ni/In2O3 catalyst: A theoretical study. Journal of Energy Chemistry, 2022, 65, 623-629. | 12.9 | 51 |
| 8 | Unveiling Secondary-Ion-Promoted Catalytic Properties of Cu-SSZ-13 Zeolites for Selective Catalytic Reduction of NO<sub>x</sub>. Journal of the American Chemical Society, 2022, 144, 12816-12824. | 13.7 | 51 |
| 9 | Polymer-supported ultra-thin ZIF-67 membrane through in situ interface self-repair. Journal of Membrane Science, 2021, 625, 119139. | 8.2 | 45 |
| 10 | Synergy Effect of Pore Structure and Amount of Carboxyl Site for Effective Removal of Pb<sup>2+</sup> in Metalâ€“Organic Frameworks. Journal of Chemical & Engineering Data, 2019, 64, 2728-2735. | 1.9 | 36 |
| 11 | Theoretical Insights into the Initial Hydrolytic Breakdown of HKUST-1. Journal of Physical Chemistry C, 2020, 124, 1991-2001. | 3.1 | 30 |
| 12 | Monodentate AIEgen Anchored on Metalâ€Organic Framework for Fast Fluorescence Sensing of Phosphate. Chinese Journal of Chemistry, 2021, 39, 99-105. | 4.9 | 21 |
| 13 | Postsynthetic Oxidation of the Coordination Site in a Heterometallic Metalâ€“Organic Framework: Tuning Catalytic Behaviors. Chemistry of Materials, 2020, 32, 5192-5199. | 6.7 | 20 |
| 14 | Water: A promoter of ammonia selective catalytic reduction over copper-exchanged LTA zeolites. Applied Catalysis B: Environmental, 2021, 294, 120244. | 20.2 | 20 |
| 15 | Theoretical Insights into CO Oxidation over MOF-808-Encapsulated Single-Atom Metal Catalysts. Journal of Physical Chemistry C, 2021, 125, 17097-17108. | 3.1 | 19 |
| 16 | Efficient separation of vitamins mixture in aqueous solution using a stable zirconium-based metal-organic framework. Journal of Colloid and Interface Science, 2019, 555, 714-721. | 9.4 | 18 |
| 17 | <scp>Airâ€Steam</scp> Etched Construction of Hierarchically Porous <scp>Metalâ€Organic</scp> Frameworks. Chinese Journal of Chemistry, 2021, 39, 1538-1544. | 4.9 | 13 |
| 18 | Structural and Hydrolytic Stability of Coordinatively Unsaturated Metalâ€“Organic Frameworks M<sub>3</sub>(BTC)<sub>2</sub> (M = Cu, Co, Mn, Ni, and Zn): A Combined DFT and Experimental Study. Journal of Physical Chemistry C, 2021, 125, 5832-5847. | 3.1 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Rational Design of Synergistic Active Sites for Catalytic Ethene/2-Butene Cross-Metathesis in a Rhenium-Doped Y Zeolite Catalyst. ACS Catalysis, 2021, 11, 3530-3540. | 11.2 | 9 |
| 20 | Ultramicroporous Metalâ€“Organic Framework with Polar Groups for Efficiently Recovering Propylene from Polypropylene Off-Gas. Industrial & Engineering Chemistry Research, 2019, 58, 14333-14339. | 3.7 | 6 |
| 21 | Density Functional Theory Study on the Morphology Evolution of Hydroxylated Î²-Cristobalite Silica and Desilication in the Presence of Methanol. Journal of Physical Chemistry C, 2021, 125, 7868-7879. | 3.1 | 6 |
| 22 | Effects of hydroxylation on the acidic and basic strengths of anatase TiO<sub>2</sub> surfaces. Molecular Simulation, 2022, 48, 829-843. | 2.0 | 2 |
| 23 | CO Oxidation over HKUST-1 Catalysts: The Role of Defective Sites. Journal of Physical Chemistry C, 2022, 126, 9652-9664. | 3.1 | 2 |