

Xue Wenjuan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,184
citations

516710

16
h-index

642732

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g-index

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23
docs citations

23
times ranked

940
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic effect of the metal-support interaction and interfacial oxygen vacancy for CO ₂ hydrogenation to methanol over Ni/In ₂ O ₃ catalyst: A theoretical study. <i>Journal of Energy Chemistry</i> , 2022, 65, 623-629.	12.9	51
2	Effects of hydroxylation on the acidic and basic strengths of anatase TiO ₂ surfaces. <i>Molecular Simulation</i> , 2022, 48, 829-843.	2.0	2
3	CO Oxidation over HKUST-1 Catalysts: The Role of Defective Sites. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9652-9664.	3.1	2
4	Unveiling Secondary-Ion-Promoted Catalytic Properties of Cu-SSZ-13 Zeolites for Selective Catalytic Reduction of NO _x . <i>Journal of the American Chemical Society</i> , 2022, 144, 12816-12824.	13.7	51
5	Monodentate AlEgen Anchored on Metal-Organic Framework for Fast Fluorescence Sensing of Phosphate. <i>Chinese Journal of Chemistry</i> , 2021, 39, 99-105.	4.9	21
6	Density Functional Theory Study on the Morphology Evolution of Hydroxylated β -Cristobalite Silica and Desilication in the Presence of Methanol. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7868-7879.	3.1	6
7	Structural and Hydrolytic Stability of Coordinatively Unsaturated Metal-Organic Frameworks M ₃ (BTC) ₂ (M = Cu, Co, Mn, Ni, and Zn): A Combined DFT and Experimental Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5832-5847.	3.1	11
8	Rational Design of Synergistic Active Sites for Catalytic Ethene/2-Butene Cross-Metathesis in a Rhenium-Doped Y Zeolite Catalyst. <i>ACS Catalysis</i> , 2021, 11, 3530-3540.	11.2	9
9	Polymer-supported ultra-thin ZIF-67 membrane through in situ interface self-repair. <i>Journal of Membrane Science</i> , 2021, 625, 119139.	8.2	45
10	Steam Etched Construction of Hierarchically Porous Metal-Organic Frameworks. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1538-1544.	4.9	13
11	Theoretical Insights into CO Oxidation over MOF-808-Encapsulated Single-Atom Metal Catalysts. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17097-17108.	3.1	19
12	Self-adaptive dual-metal-site pairs in metal-organic frameworks for selective CO ₂ photoreduction to CH ₄ . <i>Nature Catalysis</i> , 2021, 4, 719-729.	34.4	406
13	Morphology controlled synthesis of β -Fe ₂ O _{3-x} with benzimidazole-modified Fe-MOFs for enhanced photo-Fenton-like catalysis. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120129.	20.2	105
14	Water: A promoter of ammonia selective catalytic reduction over copper-exchanged LTA zeolites. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120244.	20.2	20
15	Rigidifying induced fluorescence enhancement in 2D porous covalent triazine framework nanosheets for the simultaneously luminous detection and adsorption removal of antibiotics. <i>Chemical Engineering Journal</i> , 2020, 384, 123382.	12.7	83
16	Theoretical Insights into the Initial Hydrolytic Breakdown of HKUST-1. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1991-2001.	3.1	30
17	Postsynthetic Oxidation of the Coordination Site in a Heterometallic Metal-Organic Framework: Tuning Catalytic Behaviors. <i>Chemistry of Materials</i> , 2020, 32, 5192-5199.	6.7	20
18	Efficient separation of vitamins mixture in aqueous solution using a stable zirconium-based metal-organic framework. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 714-721.	9.4	18

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19	Ultramicroporous Metal-Organic Framework with Polar Groups for Efficiently Recovering Propylene from Polypropylene Off-Gas. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14333-14339.	3.7	6
20	IL-induced formation of dynamic complex iodide anions in IL@MOF composites for efficient iodine capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18324-18329.	10.3	91
21	Synergy Effect of Pore Structure and Amount of Carboxyl Site for Effective Removal of Pb ²⁺ in Metal-Organic Frameworks. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2728-2735.	1.9	36
22	Effects of ionic liquid dispersion in metal-organic frameworks and covalent organic frameworks on CO ₂ capture: A computational study. <i>Chemical Engineering Science</i> , 2016, 140, 1-9.	3.8	53
23	Ionic Liquid/Metal-Organic Framework Composites for H ₂ S Removal from Natural Gas: A Computational Exploration. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3674-3683.	3.1	86