

Yu-Xia Li

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

673
citations

623734

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642732

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23
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing oxidation resistance of Cu(I) by tailoring microenvironment in zeolites for efficient adsorptive desulfurization. <i>Nature Communications</i> , 2020, 11, 3206.	12.8	105
2	Fabrication of microporous polymers for selective CO ₂ capture: the significant role of crosslinking and crosslinker length. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23310-23318.	10.3	93
3	What Matters to the Adsorptive Desulfurization Performance of Metal-Organic Frameworks?. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21969-21977.	3.1	91
4	Controlled Construction of Cu(I) Sites within Confined Spaces via Host-Guest Redox: Highly Efficient Adsorbents for Selective CO Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40044-40053.	8.0	51
5	Incorporation of Cu(II) and its selective reduction to Cu(I) within confined spaces: efficient active sites for CO adsorption. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8930-8939.	10.3	42
6	Low-temperature fabrication of Cu(I) sites in zeolites by using a vapor-induced reduction strategy. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12247-12251.	10.3	40
7	Fabrication of highly dispersed nickel in nanoconfined spaces of as-made SBA-15 for dry reforming of methane with carbon dioxide. <i>Chemical Engineering Journal</i> , 2020, 390, 124491.	12.7	35
8	Rational Fabrication of Polyethylenimine-Linked Microbeads for Selective CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 250-258.	3.7	34
9	Controllable fabrication of cuprous sites in confined spaces for efficient adsorptive desulfurization. <i>Fuel</i> , 2020, 259, 116221.	6.4	23
10	Development of Adsorbents for Selective Carbon Capture: Role of Homo- and Cross-Coupling in Conjugated Microporous Polymers and Their Carbonized Derivatives. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17419-17426.	6.7	20
11	Fabrication of Cu ⁺ sites in confined spaces for adsorptive desulfurization by series connection double-solvent strategy. <i>Green Energy and Environment</i> , 2022, 7, 345-351.	8.7	20
12	Rational Design and Fabrication of Nitrogen-Enriched and Hierarchical Porous Polymers Targeted for Selective Carbon Capture. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 12926-12934.	3.7	19
13	Adjusting accommodation microenvironment for Cu ⁺ to enhance oxidation inhibition for thiophene capture. <i>AIChE Journal</i> , 2021, 67, e17368.	3.6	17
14	Tailoring microenvironment of adsorbents to achieve excellent CO ₂ uptakes from wet gases. <i>AIChE Journal</i> , 2020, 66, e16645.	3.6	16
15	Stabilizing CuI in MIL-101(Cr) by introducing long-chain alkane for adsorptive desulfurization. <i>Separation and Purification Technology</i> , 2022, 290, 120892.	7.9	16
16	Fabrication of Cu(I)-Functionalized MIL-101(Cr) for Adsorptive Desulfurization: Low-Temperature Controllable Conversion of Cu(II) via Vapor-Induced Reduction. <i>Inorganic Chemistry</i> , 2019, 58, 11085-11090.	4.0	9
17	Facile Fabrication of Small-Sized Palladium Nanoparticles in Nanoconfined Spaces for Low-Temperature CO Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19145-19152.	3.7	8
18	Construction of a superhydrophobic microenvironment via polystyrene coating: an unexpected way to stabilize Cu ^I against oxidation. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 5169-5177.	6.0	7

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19	Rational fabrication of ordered porous solid strong bases by utilizing the inherent reducibility of metal-organic frameworks. <i>Nano Research</i> , 2022, 15, 2905-2912.	10.4	7
20	Fabrication of solid strong bases at decreased temperature by doping low-valence Cr ³⁺ into supports. <i>Applied Catalysis A: General</i> , 2019, 584, 117153.	4.3	6
21	Controllable Microporous Framework Isomerism within Continuous Mesoporous Channels: Hierarchically Porous Structure for Capture of Bulky Molecules. <i>Inorganic Chemistry</i> , 2021, 60, 6633-6640.	4.0	5
22	Fabrication of adsorbents with enhanced CuI stability: Creating a superhydrophobic microenvironment through grafting octadecylamine. <i>Chinese Journal of Chemical Engineering</i> , 2023, 55, 41-48.	3.5	5
23	Development of High Yielded Sn-Doped Porous Carbons for Selective CO ₂ Capture. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10383-10392.	6.7	4