

# Qun Cui

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

361  
citations

933447

10  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and Mechanisms of H <sub>2</sub> S and SO <sub>2</sub> Adsorption by Activated Carbon. Energy & Fuels, 2015, 29, 6678-6685.	5.1	68
2	A Bismuth Metal-Organic Framework as a Contrast Agent for X-ray Computed Tomography. ACS Applied Bio Materials, 2019, 2, 1197-1203.	4.6	68
3	Preparation and catalytic performance of a carbon-based solid acid catalyst with high specific surface area. Reaction Kinetics, Mechanisms and Catalysis, 2012, 107, 203-213.	1.7	45
4	Toward Design Rules of Metal-Organic Frameworks for Adsorption Cooling: Effect of Topology on the Ethanol Working Capacity. Chemistry of Materials, 2019, 31, 2702-2706.	6.7	27
5	Adsorption Mechanism and Regeneration Performance of 13X for H <sub>2</sub> S and SO <sub>2</sub> . Energy & Fuels, 2018, 32, 12742-12749.	5.1	26
6	Self-Confinement Created for a Uniform Ir-Ni/SiO <sub>2</sub> Catalyst with Enhanced Performances on CO <sub>2</sub> Reforming of Methane. Energy & Fuels, 2020, 34, 111-117.	5.1	17
7	Study on the Desorption Process of <i>n</i> -Heptane and Methyl Cyclohexane Using UiO-66 with Hierarchical Pores. ACS Applied Materials & Interfaces, 2018, 10, 21612-21618.	8.0	16
8	Solvent desulfurization regeneration process and analysis of activated carbon for low-sulfur real diesel. RSC Advances, 2016, 6, 20258-20268.	3.6	13
9	Hydrolysis of carboxylic acid esters catalyzed by a carbon-based solid acid. Reaction Kinetics, Mechanisms and Catalysis, 2011, 104, 313-321.	1.7	12
10	Hydrothermal stability of SAPO-34 for refrigeration and air conditioning applications. Materials Research Bulletin, 2014, 52, 82-88.	5.2	12
11	Effects of the SAPO-11 synthetic process on dehydration of ethanol to ethylene. Frontiers of Chemical Science and Engineering, 2011, 5, 60-66.	4.4	10
12	Dynamic adsorption of n-heptane/methylhexane/2,2,4-trimethylpentane and refining of high purity n-heptane on UiO-66. Journal of Porous Materials, 2016, 23, 165-173.	2.6	6
13	Study on heat conduction and adsorption/desorption characteristic of MIL-101/few layer graphene composite. Journal of Porous Materials, 2021, 28, 1197-1213.	2.6	6
14	Qualitative and quantitative determination of trace aldehydes and ketones in food preservative propionic acid for quality improvement. Analytical Methods, 2021, 13, 2989-2996.	2.7	5
15	HPLC determination of glyoxal in aldehyde solution with 3-methyl-2-benzothiazolinone hydrazone. Frontiers of Chemical Science and Engineering, 2011, 5, 117-121.	4.4	4
16	Study on Characterization and Coke Compositions of Deactivated 5A Molecular Sieve for Adsorption Separation of Industrial Naphtha. ChemistrySelect, 2020, 5, 12844-12852.	1.5	4
17	Selection and performance of adsorbents in an adsorption refrigeration cycle regenerated with water directly. Adsorption, 2013, 19, 997-1006.	3.0	3
18	Study on Adsorption and Desorption Performances of Trace C <sub>4</sub> -C <sub>6</sub> Alkane Mixture on MIL-101(Cr) and WS-480. Energy & Fuels, 2019, 33, 7587-7594.	5.1	3

#	ARTICLE	IF	CITATIONS
19	Low Temperature Adsorption Desulfurization Performance and Mechanism of CeFe/ZSM-5 for H <sub>2</sub> S and SO <sub>2</sub> Mixture. ChemistrySelect, 2020, 5, 14869-14876.	1.5	3
20	Study on thermodynamics, dynamics and reverse shape separation selectivity of mesoporous UiO-66 for nHEP/MCH. Microporous and Mesoporous Materials, 2021, 314, 110819.	4.4	3
21	Study on wet oxidation process and mechanism for ethylene spent caustic. Environmental Technology (United Kingdom), 2022, 43, 2637-2646.	2.2	3
22	Liquid-Phase Oxidation Reaction and Mechanism of Diethylbenzene to Ethylacetophenone with H <sub>2</sub> O <sub>2</sub> in a Batch Reactor and a Fixed Bed Reactor. ChemistrySelect, 2018, 3, 6647-6653.	1.5	2
23	Analysis of trace organics and its correlation with COD in condensate from natural gas to hydrogen production. Water Science and Technology, 2020, 82, 843-850.	2.5	2
24	Ultra-deep adsorptive desulfurization process over activated carbon and effects on quality of real diesel. Petroleum Science and Technology, 2018, 36, 1412-1418.	1.5	1
25	Effect of CO <sub>2</sub> /H <sub>2</sub> O on adsorptive removal of H <sub>2</sub> S/SO <sub>2</sub> mixture. Environmental Technology (United Kingdom) 43(1) 1-14	2.2	1
26	Template-free synthesis of hierarchical nanocrystal UiO-66 and its adsorption thermodynamics for n-heptane and methyl cyclohexane. CrystEngComm, 2021, 23, 4549-4559.	2.6	1
27	Microbubbles intensification and mechanism of wet air oxidation process of MDEA-containing wastewater. Environmental Technology (United Kingdom), 2021, , 1-21.	2.2	0