

# Haiyan Wang

## List of Publications by Year in descending order

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21  
papers

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citations

1307594

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times ranked

296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and Mechanisms of H <sub>2</sub> S and SO <sub>2</sub> Adsorption by Activated Carbon. <i>Energy &amp; Fuels</i> , 2015, 29, 6678-6685.	5.1	68
2	Adsorption and separation properties of n-pentane/isopentane on ZIF-8. <i>Separation and Purification Technology</i> , 2015, 156, 472-479.	7.9	37
3	Adsorption Mechanism and Regeneration Performance of 13X for H <sub>2</sub> S and SO <sub>2</sub> . <i>Energy &amp; Fuels</i> , 2018, 32, 12742-12749.	5.1	26
4	Adsorption Refrigeration Performance of Shaped MIL-101-Water Working Pair. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 570-575.	3.5	22
5	Study on the Desorption Process of <i>n</i> -Heptane and Methyl Cyclohexane Using UiO-66 with Hierarchical Pores. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21612-21618.	8.0	16
6	Solvent desulfurization regeneration process and analysis of activated carbon for low-sulfur real diesel. <i>RSC Advances</i> , 2016, 6, 20258-20268.	3.6	13
7	Effects of the SAPO-11 synthetic process on dehydration of ethanol to ethylene. <i>Frontiers of Chemical Science and Engineering</i> , 2011, 5, 60-66.	4.4	10
8	Dynamic adsorption of n-heptane/methylhexane/2,2,4-trimethylpentane and refining of high purity n-heptane on UiO-66. <i>Journal of Porous Materials</i> , 2016, 23, 165-173.	2.6	6
9	Study on heat conduction and adsorption/desorption characteristic of MIL-101/few layer graphene composite. <i>Journal of Porous Materials</i> , 2021, 28, 1197-1213.	2.6	6
10	Qualitative and quantitative determination of trace aldehydes and ketones in food preservative propionic acid for quality improvement. <i>Analytical Methods</i> , 2021, 13, 2989-2996.	2.7	5
11	HPLC determination of glyoxal in aldehyde solution with 3-methyl-2-benzothiazolinone hydrazone. <i>Frontiers of Chemical Science and Engineering</i> , 2011, 5, 117-121.	4.4	4
12	Study on Characterization and Coke Compositions of Deactivated 5Å...A Molecular Sieve for Adsorption Separation of Industrial Naphtha. <i>ChemistrySelect</i> , 2020, 5, 12844-12852.	1.5	4
13	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. <i>Energy &amp; Fuels</i> , 2019, 33, 7587-7594.	5.1	3
14	Low Temperature Adsorption Desulfurization Performance and Mechanism of CeFe/ZSM-5 for H <sub>2</sub> S and SO <sub>2</sub> Mixture. <i>ChemistrySelect</i> , 2020, 5, 14869-14876.	1.5	3
15	Study on wet oxidation process and mechanism for ethylene spent caustic. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2637-2646.	2.2	3
16	Liquid-Phase Oxidation Reaction and Mechanism of <i>p</i> -Diethylbenzene to <i>p</i> -Ethylacetophenone with H <sub>2</sub> O <sub>2</sub> in a Batch Reactor and a Fixed Bed Reactor. <i>ChemistrySelect</i> , 2018, 3, 6647-6653.	1.5	2
17	Analysis of trace organics and its correlation with COD in condensate from natural gas to hydrogen production. <i>Water Science and Technology</i> , 2020, 82, 843-850.	2.5	2
18	Ultra-deep adsorptive desulfurization process over activated carbon and effects on quality of real diesel. <i>Petroleum Science and Technology</i> , 2018, 36, 1412-1418.	1.5	1

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19	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), 2021, 42(1), 1-14.	2.2	1
20	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
21	Microbubbles intensification and mechanism of wet air oxidation process of MDEA-containing wastewater. Environmental Technology (United Kingdom), 2021, 42(1), 1-21.	2.2	0