

Masoud Jahandar Lashaki

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,099
citations

623188

14
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

1207
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability of amine-functionalized CO ₂ adsorbents: a multifaceted puzzle. <i>Chemical Society Reviews</i> , 2019, 48, 3320-3405.	18.7	260
2	Effect of Adsorption and Regeneration Temperature on Irreversible Adsorption of Organic Vapors on Beaded Activated Carbon. <i>Environmental Science & Technology</i> , 2012, 46, 4083-4090.	4.6	127
3	CO ₂ capture using triamine-grafted SBA-15: The impact of the support pore structure. <i>Chemical Engineering Journal</i> , 2018, 334, 1260-1269.	6.6	113
4	Effect of the adsorbate kinetic diameter on the accuracy of the Dubinin-Radushkevich equation for modeling adsorption of organic vapors on activated carbon. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 154-163.	6.5	88
5	Adsorption and Desorption of Mixtures of Organic Vapors on Beaded Activated Carbon. <i>Environmental Science & Technology</i> , 2012, 46, 8341-8350.	4.6	85
6	The role of beaded activated carbon's pore size distribution on heel formation during cyclic adsorption/desorption of organic vapors. <i>Journal of Hazardous Materials</i> , 2016, 315, 42-51.	6.5	72
7	Microporous activated carbon from pinewood and wheat straw by microwave-assisted KOH treatment for the adsorption of toluene and acetone vapors. <i>RSC Advances</i> , 2015, 5, 36051-36058.	1.7	56
8	Insights into the Hydrothermal Stability of Triamine-Functionalized SBA-15 Silica for CO ₂ Adsorption. <i>ChemSusChem</i> , 2017, 10, 4037-4045.	3.6	50
9	Two-Dimensional Modeling of Volatile Organic Compounds Adsorption onto Beaded Activated Carbon. <i>Environmental Science & Technology</i> , 2013, 47, 11700-11710.	4.6	45
10	The role of beaded activated carbon's surface oxygen groups on irreversible adsorption of organic vapors. <i>Journal of Hazardous Materials</i> , 2016, 317, 284-294.	6.5	40
11	Heel formation during volatile organic compound desorption from activated carbon fiber cloth. <i>Carbon</i> , 2016, 96, 131-138.	5.4	38
12	Effect of Beaded Activated Carbon Fluidization on Adsorption of Volatile Organic Compounds. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1297-1305.	1.8	35
13	Effect of desorption purge gas oxygen impurity on irreversible adsorption of organic vapors. <i>Carbon</i> , 2016, 99, 310-317.	5.4	19
14	Monitoring the residual capacity of activated carbon in an emission abatement system using a non-contact, high resolution microwave resonator sensor. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 218-224.	4.0	19
15	Oxygen impurity in nitrogen desorption purge gas can increase heel buildup on activated carbon. <i>Separation and Purification Technology</i> , 2019, 210, 497-503.	3.9	16
16	Mechanisms of heel buildup during cyclic adsorption-desorption of volatile organic compounds in a full-scale adsorber-desorber. <i>Chemical Engineering Journal</i> , 2020, 400, 124937.	6.6	14
17	A comprehensive comparison of zeolite-5A molecular sieves and amine-grafted SBA-15 silica for cyclic adsorption-desorption of carbon dioxide in enclosed environments. <i>Chemical Engineering Journal</i> , 2022, 437, 135139.	6.6	14
18	Amine-grafted mesoporous silica materials for single-stage biogas upgrading to biomethane. <i>Chemical Engineering Journal</i> , 2022, 445, 136497.	6.6	8