

Mohammadreza Fayaz

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

727
citations

840119

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1281420

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g-index

11
all docs

11
docs citations

11
times ranked

795
citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the Effect of Water on CO ₂ Adsorption. Chemical Reviews, 2021, 121, 7280-7345.	23.0	194
2	Effect of Adsorption and Regeneration Temperature on Irreversible Adsorption of Organic Vapors on Beaded Activated Carbon. Environmental Science & Technology, 2012, 46, 4083-4090.	4.6	127
3	Effect of the adsorbate kinetic diameter on the accuracy of the Dubinin-Radushkevich equation for modeling adsorption of organic vapors on activated carbon. Journal of Hazardous Materials, 2012, 241-242, 154-163.	6.5	88
4	Adsorption and Desorption of Mixtures of Organic Vapors on Beaded Activated Carbon. Environmental Science & Technology, 2012, 46, 8341-8350.	4.6	85
5	Using Microwave Heating To Improve the Desorption Efficiency of High Molecular Weight VOC from Beaded Activated Carbon. Environmental Science & Technology, 2015, 49, 4536-4542.	4.6	54
6	Microbead-assisted high resolution microwave planar ring resonator for organic-vapor sensing. Applied Physics Letters, 2015, 106, .	1.5	52
7	Two-Dimensional Modeling of Volatile Organic Compounds Adsorption onto Beaded Activated Carbon. Environmental Science & Technology, 2013, 47, 11700-11710.	4.6	45
8	Long-Term Effect of Steam Exposure on CO ₂ Capture Performance of Amine-Grafted Silica. ACS Applied Materials & Interfaces, 2017, 9, 43747-43754.	4.0	36
9	Monitoring the residual capacity of activated carbon in an emission abatement system using a non-contact, high resolution microwave resonator sensor. Sensors and Actuators B: Chemical, 2019, 282, 218-224.	4.0	19
10	A Novel Technique for Determining the Adsorption Capacity and Breakthrough Time of Adsorbents Using a Noncontact High-Resolution Microwave Resonator Sensor. Environmental Science & Technology, 2017, 51, 427-435.	4.6	16
11	Influence of Purge Gas Flow and Heating Rates on Volatile Organic Compound Decomposition during Regeneration of an Activated Carbon Fiber Cloth. Industrial & Engineering Chemistry Research, 2020, 59, 3521-3530.	1.8	11