

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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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 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Microbead-assisted high resolution microwave planar ring resonator for organic-vapor sensing. Applied Physics Letters, 2015, 106, . | 1.5 | 52 |
| 8 | Two-Dimensional Modeling of Volatile Organic Compounds Adsorption onto Beaded Activated Carbon. Environmental Science & Technology, 2013, 47, 11700-11710. | 4.6 | 45 |
| 9 | Adsorption and Desorption of Mixtures of Organic Vapors on Beaded Activated Carbon. Environmental Science & Technology, 2012, 46, 8341-8350. | 4.6 | 85 |
| 10 | 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 |
| 11 | 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 |