

Zarook Shareefdeen

List of Publications by Year in descending order

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49
papers

1,082
citations

687363

13
h-index

526287

27
g-index

54
all docs

54
docs citations

54
times ranked

744
citing authors

#	ARTICLE	IF	CITATIONS
1	Biofiltration of methanol vapor. <i>Biotechnology and Bioengineering</i> , 1993, 41, 512-524.	3.3	231
2	Biofiltration of toluene vapor under steady-state and transient conditions: Theory and experimental results. <i>Chemical Engineering Science</i> , 1994, 49, 4347-4360.	3.8	183
3	Interactions between benzene, toluene, and p-xylene (BTX) during their biodegradation. <i>Biotechnology and Bioengineering</i> , 1994, 44, 533-538.	3.3	179
4	Thermophilic Biotrickling Filtration of Ethanol Vapors. <i>Environmental Science & Technology</i> , 2001, 35, 2612-2619.	10.0	75
5	Biofiltration of xylene emissions: bioreactor response to variations in the pollutant inlet concentration and gas flow rate. <i>Chemical Engineering Journal</i> , 2004, 100, 149-158.	12.7	68
6	Review of current technologies used in municipal solid waste-to-energy facilities in Canada. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 1837-1846.	4.1	56
7	Biofiltration of nuisance sulfur gaseous odors from a meat rendering plant. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 1296-1299.	3.2	30
8	Biofiltration eliminates nuisance chemical odors from industrial air streams. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2003, 30, 168-174.	3.0	28
9	Hydrogen sulfide (H ₂ S) removal in synthetic media biofilters. <i>Environmental Progress</i> , 2003, 22, 207-213.	0.7	28
10	Management and control of air emissions from electronic industries. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 69-77.	4.1	21
11	An odor predictive model for rendering applications. <i>Chemical Engineering Journal</i> , 2005, 113, 215-220.	12.7	20
12	Removing volatile organic compound (VOC) emissions from a printed circuit board manufacturing facility using pilot- and commercial-scale biofilters. <i>Environmental Progress</i> , 2002, 21, 196-201.	0.7	16
13	Kinetics and Modeling of H ₂ S Removal in a Novel Biofilter. <i>Advances in Chemical Engineering and Science</i> , 2011, 01, 72-76.	0.5	15
14	Steady-state biofilter performance under non-isothermal conditions. <i>Chemical Engineering and Processing: Process Intensification</i> , 2009, 48, 1040-1046.	3.6	13
15	Dynamic modeling and analysis of biotrickling filters in continuous operation for H ₂ S removal. <i>Clean Technologies and Environmental Policy</i> , 2014, 16, 1757-1765.	4.1	13
16	Coal Production and Processing Technology. , 0, , .		13
17	Biological Removal of Hydrophobic Solvent Vapors from Airstreams. , 1994, , 397-404.		12
18	Dispersion of volatile organic compounds (VOCs) emissions from a biofilter at an electronic manufacturing facility. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1100-1107.	2.3	8

#	ARTICLE	IF	CITATIONS
19	Analysis of a Recent Biofilter Model for Toluene Biodegradation. <i>Advances in Chemical Engineering and Science</i> , 2013, 03, 57-66.	0.5	7
20	Hydrogen sulfide (H ₂ S) removal using schist packings in industrial biofilter applications. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 15-19.	2.7	7
21	A biofilter design tool for hydrogen sulfide removal calculations. <i>Clean Technologies and Environmental Policy</i> , 2012, 14, 543-549.	4.1	6
22	Biotechnology for Air Pollution Control – an Overview. , 2005, , 3-15.		5
23	Bioscrubber Technology. , 2005, , 169-193.		5
24	Air emissions in waste to energy (W2E) plants. <i>Clean Technologies and Environmental Policy</i> , 0, , 1.	4.1	5
25	Comments on waste to energy technologies in the United Arab Emirates. <i>Environmental Engineering Research</i> , 0, , .	2.5	5
26	Modeling of Biofilters and Biotrickling Filters for Odor and VOC Control Applications. , 2005, , 213-231.		4
27	Predicting Dispersion and Pollutant Concentration of Dimethyl Sulfide (DMS) from a Biofilter Under Various Atmospheric Conditions. <i>Emission Control Science and Technology</i> , 2018, 4, 64-71.	1.5	4
28	A novel approach to the solution of a steady state biofilter model. <i>Environmental Engineering Research</i> , 2020, 25, 779-787.	2.5	4
29	Gaseous and Solid Waste Management in Waste-to-Energy Processes. , 2022, , 233-255.		3
30	System Identification and Control of a Biotrickling Filter. <i>Chemical Product and Process Modeling</i> , 2015, 10, 39-53.	0.9	2
31	Air Quality Management in Electronic Industries. <i>Comprehensive Analytical Chemistry</i> , 2016, 73, 765-784.	1.3	2
32	Design and analysis of adsorptive desulphurisation of diesel oil. <i>International Journal of Oil, Gas and Coal Technology</i> , 2018, 17, 304.	0.2	2
33	Selection of sustainable technologies for reducing emission of volatile organic compounds and greenhouse gases. <i>Journal of Ocean and Climate</i> , 2019, 9, 251601921985260.	0.8	2
34	High-performance biofilters for air treatment applications. , 2020, , 111-127.		2
35	Effect of Water Content on Biofilter Performance. <i>Journal of Chemical Engineering of Japan</i> , 2010, 43, 569-574.	0.6	2
36	A theoretical analysis of an air stripper – biofilter system (ASBF) for industrial wastewater treatment. , 0, 100, 268-274.		2

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37	Winter Operation of Biofilters for Hydrogen Sulphide Removal. International Journal of Chemical Reactor Engineering, 2009, 7, .	1.1	1
38	Factorial design analysis for adsorption of sulfur compounds from diesel oil on activated charcoal. , 2015, , .		1
39	Industrial biofilter case studies. , 2020, , 177-192.		1
40	Biofilter Response to Upsets in Process Conditions. Chemical Product and Process Modeling, 2009, 4, .	0.9	0
41	A synthetic biofilter media for ammonia (NH ₃) removal. International Journal of Environmental Technology and Management, 2012, 15, 169.	0.2	0
42	Design and analysis of a simulated methanol production plant. , 2015, , .		0
43	Design and analysis of a biogas digester for a net-zero energy community in southwestern Ontario. , 2015, , .		0
44	Process intensification and modeling of a hybrid air stripping-biofilter (ASBF) system for removal of benzene from produced water. Desalination and Water Treatment, 2016, 57, 15706-15713.	1.0	0
45	Improvement of the ignition quality of the diesel fuel through adsorption desulfurization process using different commercial activated charcoals. , 2017, , .		0
46	Some remarks on the evaluation of m-cresol and pyridine biodegradation kinetics. International Journal of Environment and Waste Management, 2017, 19, 353.	0.3	0
47	Innovative Methods in Biofiltration of Air Contaminants. Soil Biology, 2004, , 235-253.	0.8	0
48	Some remarks on the evaluation of m-cresol and pyridine biodegradation kinetics. International Journal of Environment and Waste Management, 2017, 19, 353.	0.3	0
49	Design and analysis of adsorptive desulphurisation of diesel oil. International Journal of Oil, Gas and Coal Technology, 2018, 17, 304.	0.2	0