

# 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	Gaseous and Solid Waste Management in Waste-to-Energy Processes. , 2022, , 233-255.		3
2	Industrial biofilter case studies. , 2020, , 177-192.		1
3	High-performance biofilters for air treatment applications. , 2020, , 111-127.		2
4	A novel approach to the solution of a steady state biofilter model. Environmental Engineering Research, 2020, 25, 779-787.	2.5	4
5	Selection of sustainable technologies for reducing emission of volatile organic compounds and greenhouse gases. Journal of Ocean and Climate, 2019, 9, 251601921985260.	0.8	2
6	Predicting Dispersion and Pollutant Concentration of Dimethyl Sulfide (DMS) from a Biofilter Under Various Atmospheric Conditions. Emission Control Science and Technology, 2018, 4, 64-71.	1.5	4
7	Design and analysis of adsorptive desulphurisation of diesel oil. International Journal of Oil, Gas and Coal Technology, 2018, 17, 304.	0.2	2
8	Design and analysis of adsorptive desulphurisation of diesel oil. International Journal of Oil, Gas and Coal Technology, 2018, 17, 304.	0.2	0
9	Dispersion of volatile organic compounds (VOCs) emissions from a biofilter at an electronic manufacturing facility. Environmental Progress and Sustainable Energy, 2017, 36, 1100-1107.	2.3	8
10	Improvement of the ignition quality of the diesel fuel through adsorption desulfurization process using different commercial activated charcoals. , 2017, , .		0
11	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
12	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
13	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
14	Air Quality Management in Electronic Industries. Comprehensive Analytical Chemistry, 2016, 73, 765-784.	1.3	2
15	System Identification and Control of a Biotrickling Filter. Chemical Product and Process Modeling, 2015, 10, 39-53.	0.9	2
16	Hydrogen sulfide (H <sub>2</sub> S) removal using schist packings in industrial biofilter applications. Korean Journal of Chemical Engineering, 2015, 32, 15-19.	2.7	7
17	Review of current technologies used in municipal solid waste-to-energy facilities in Canada. Clean Technologies and Environmental Policy, 2015, 17, 1837-1846.	4.1	56
18	Factorial design analysis for adsorption of sulfur compounds from diesel oil on activated charcoal. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	Design and analysis of a simulated methanol production plant. , 2015, , .		0
20	Design and analysis of a biogas digester for a net-zero energy community in southwestern Ontario. , 2015, , .		0
21	Management and control of air emissions from electronic industries. Clean Technologies and Environmental Policy, 2014, 16, 69-77.	4.1	21
22	Dynamic modeling and analysis of biotrickling filters in continuous operation for H <sub>2</sub> S removal. Clean Technologies and Environmental Policy, 2014, 16, 1757-1765.	4.1	13
23	Analysis of a Recent Biofilter Model for Toluene Biodegradation. Advances in Chemical Engineering and Science, 2013, 03, 57-66.	0.5	7
24	A synthetic biofilter media for ammonia (NH <sub>3</sub> ) removal. International Journal of Environmental Technology and Management, 2012, 15, 169.	0.2	0
25	A biofilter design tool for hydrogen sulfide removal calculations. Clean Technologies and Environmental Policy, 2012, 14, 543-549.	4.1	6
26	Kinetics and Modeling of H <sub>2</sub> S Removal in a Novel Biofilter. Advances in Chemical Engineering and Science, 2011, 01, 72-76.	0.5	15
27	Effect of Water Content on Biofilter Performance. Journal of Chemical Engineering of Japan, 2010, 43, 569-574.	0.6	2
28	Winter Operation of Biofilters for Hydrogen Sulphide Removal. International Journal of Chemical Reactor Engineering, 2009, 7, .	1.1	1
29	Biofilter Response to Upsets in Process Conditions. Chemical Product and Process Modeling, 2009, 4, .	0.9	0
30	Steady-state biofilter performance under non-isothermal conditions. Chemical Engineering and Processing: Process Intensification, 2009, 48, 1040-1046.	3.6	13
31	An odor predictive model for rendering applications. Chemical Engineering Journal, 2005, 113, 215-220.	12.7	20
32	Biotechnology for Air Pollution Control – an Overview. , 2005, , 3-15.		5
33	Bioscrubber Technology. , 2005, , 169-193.		5
34	Modeling of Biofilters and Biotrickling Filters for Odor and VOC Control Applications. , 2005, , 213-231.		4
35	Biofiltration of xylene emissions: bioreactor response to variations in the pollutant inlet concentration and gas flow rate. Chemical Engineering Journal, 2004, 100, 149-158.	12.7	68
36	Innovative Methods in Biofiltration of Air Contaminants. Soil Biology, 2004, , 235-253.	0.8	0

#	ARTICLE	IF	CITATIONS
37	Biofiltration eliminates nuisance chemical odors from industrial air streams. Journal of Industrial Microbiology and Biotechnology, 2003, 30, 168-174.	3.0	28
38	Hydrogen sulfide (H <sub>2</sub> S) removal in synthetic media biofilters. Environmental Progress, 2003, 22, 207-213.	0.7	28
39	Biofiltration of nuisance sulfur gaseous odors from a meat rendering plant. Journal of Chemical Technology and Biotechnology, 2002, 77, 1296-1299.	3.2	30
40	Removing volatile organic compound (VOC) emissions from a printed circuit board manufacturing facility using pilot- and commercial-scale biofilters. Environmental Progress, 2002, 21, 196-201.	0.7	16
41	Thermophilic Biotrickling Filtration of Ethanol Vapors. Environmental Science & Technology, 2001, 35, 2612-2619.	10.0	75
42	Interactions between benzene, toluene, and p-xylene (BTX) during their biodegradation. Biotechnology and Bioengineering, 1994, 44, 533-538.	3.3	179
43	Biofiltration of toluene vapor under steady-state and transient conditions: Theory and experimental results. Chemical Engineering Science, 1994, 49, 4347-4360.	3.8	183
44	Biological Removal of Hydrophobic Solvent Vapors from Airstreams. , 1994, , 397-404.		12
45	Biofiltration of methanol vapor. Biotechnology and Bioengineering, 1993, 41, 512-524.	3.3	231
46	Air emissions in waste to energy (W2E) plants. Clean Technologies and Environmental Policy, 0, , 1.	4.1	5
47	Coal Production and Processing Technology. , 0, , .		13
48	A theoretical analysis of an air stripperâ€biofilter system (ASBF) for industrial wastewater treatment. , 0, 100, 268-274.		2
49	Comments on waste to energy technologies in the United Arab Emirates. Environmental Engineering Research, 0, , .	2.5	5