

Shekar Viswanathan

List of Publications by Year in descending order

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21
papers

331
citations

759233

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839539

18
g-index

22
all docs

22
docs citations

22
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	An Analysis of Effects of San Diego Wildfire on Ambient Air Quality. Journal of the Air and Waste Management Association, 2006, 56, 56-67.	1.9	74
2	Modeling and Simulation of a Biofilter. Industrial & Engineering Chemistry Research, 1999, 38, 2765-2774.	3.7	44
3	Modeling of Venturi Scrubber Performance. Industrial & Engineering Chemistry Research, 1997, 36, 4308-4317.	3.7	27
4	Estimating maximum removal efficiency in Venturi scrubbers. AIChE Journal, 1998, 44, 2549-2560.	3.6	22
5	ESTIMATING FILM FLOW RATE IN A VENTURI SCRUBBER. Particulate Science and Technology, 1997, 15, 65-75.	2.1	19
6	Development of a pressure drop model for a variable throat venturi scrubber. Chemical Engineering Journal, 1998, 71, 153-160.	12.7	17
7	Performance evaluation of a surface acoustic wave analyzer to measure vocs in air and water. Environmental Progress, 2003, 22, 215-226.	0.7	17
8	Effect of Nozzle Arrangement on Venturi Scrubber Performance. Industrial & Engineering Chemistry Research, 1999, 38, 4889-4900.	3.7	15
9	Examination of liquid film characteristics in the prediction of pressure drop in a Venturi scrubber. Chemical Engineering Science, 1998, 53, 3161-3175.	3.8	14
10	Detection of Contrabands in Cargo Containers Using a High-Speed Gas Chromatograph with Surface Acoustic Wave Sensor. Industrial & Engineering Chemistry Research, 2008, 47, 8361-8367.	3.7	13
11	Numerical Simulation of Airflow Around a Variable Volume/Constant Face Velocity Fume Cupboard. AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety, 2001, 62, 303-312.	0.4	12
12	Measurement of Drop Size and Distribution in an Annular Two-Phase, Two-Component Flow Occurring in a Venturi Scrubber. Industrial & Engineering Chemistry Research, 2005, 44, 7458-7468.	3.7	12
13	Predicting the Liquid Flux Distribution and Collection Efficiency in Cylindrical Venturi Scrubbers. Industrial & Engineering Chemistry Research, 1999, 38, 223-232.	3.7	9
14	A study of the effect of physical and chemical stressors on biological integrity within the San Diego hydrologic region. Environmental Monitoring and Assessment, 2012, 184, 1603-1616.	2.7	7
15	Effect of Polydispersity of Droplets in the Prediction of Flux Distribution in a Venturi Scrubber. Environmental Science & Technology, 2000, 34, 5007-5016.	10.0	5
16	Evaluation of a Novel Reactor~Biofilter System. Industrial & Engineering Chemistry Research, 2003, 42, 752-763.	3.7	5
17	Venturi Scrubber Modelling and Optimization. Canadian Journal of Chemical Engineering, 2005, 83, 194-203.	1.7	5
18	A model for the assessment of energy-efficient smart street lighting~a case study. Energy Efficiency, 2021, 14, 1.	2.8	5

#	ARTICLE	IF	CITATIONS
19	AN IMPROVED SINGLE DROPLET COLLECTION EFFICIENCY FOR THE INTERMEDIATE FLOW REGIME. Particulate Science and Technology, 1998, 16, 215-227.	2.1	3
20	Multi-objective optimization of venturi scrubbers using a three-dimensional model for collection efficiency. Journal of Chemical Technology and Biotechnology, 2003, 78, 308-313.	3.2	3
21	Evaluation of the Biocriteria of Streams in the San Diego Hydrologic Region. Journal of Environmental Engineering, ASCE, 2010, 136, 627-637.	1.4	3