

Bathmanabhan Srimuruganandam

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

881
citations

686830

13
h-index

525886

27
g-index

32
all docs

32
docs citations

32
times ranked

1017
citing authors

#	ARTICLE	IF	CITATIONS
1	Source characterization of PM ₁₀ and PM _{2.5} mass using a chemical mass balance model at urban roadside. <i>Science of the Total Environment</i> , 2012, 433, 8-19.	3.9	144
2	Analysis and interpretation of particulate matter " PM ₁₀ , PM _{2.5} and PM ₁ emissions from the heterogeneous traffic near an urban roadway. <i>Atmospheric Pollution Research</i> , 2010, 1, 184-194.	1.8	121
3	Application of multiple-path particle dosimetry model for quantifying age specified deposition of particulate matter in human airway. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 241-248.	2.9	92
4	Application of positive matrix factorization in characterization of PM ₁₀ and PM _{2.5} emission sources at urban roadside. <i>Chemosphere</i> , 2012, 88, 120-130.	4.2	83
5	Characteristics of particulate matter and heterogeneous traffic in the urban area of India. <i>Atmospheric Environment</i> , 2011, 45, 3091-3102.	1.9	72
6	Assessment of Microplastics in Roadside Suspended Dust from Urban and Rural Environment of Nagpur, India. <i>International Journal of Environmental Research</i> , 2020, 14, 629-640.	1.1	48
7	Health effects of particulate matter in major Indian cities. <i>International Journal of Environmental Health Research</i> , 2021, 31, 258-270.	1.3	48
8	Chemical characterization of PM ₁₀ and PM _{2.5} mass concentrations emitted by heterogeneous traffic. <i>Science of the Total Environment</i> , 2011, 409, 3144-3157.	3.9	47
9	Land use/land cover and land surface temperature analysis in Wayanad district, India, using satellite imagery. <i>Annals of GIS</i> , 2020, 26, 343-360.	1.4	47
10	Investigation of road dust characteristics and its associated health risks from an urban environment. <i>Environmental Geochemistry and Health</i> , 2020, 42, 2819-2840.	1.8	38
11	Assessment, Prediction and Mapping of Noise Levels in Vellore City, India. <i>Noise Mapping</i> , 2019, 6, 38-51.	0.7	21
12	Commuter exposure concentrations and inhalation doses in traffic and residential routes of Vellore city, India. <i>Atmospheric Pollution Research</i> , 2021, 12, 219-230.	1.8	20
13	Health benefits of achieving fine particulate matter standards in India " A nationwide assessment. <i>Science of the Total Environment</i> , 2021, 763, 142999.	3.9	14
14	Characteristics of indoor air pollutants and estimation of their exposure dose. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 1033-1047.	1.5	13
15	Age-specific and seasonal deposition of outdoor and indoor particulate matter in human respiratory tract. <i>Atmospheric Pollution Research</i> , 2022, 13, 101298.	1.8	13
16	Size-segregated particulate matter and health effects in air pollution in India: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3837-3858.	8.3	11
17	Investigation of on-road fine particulate matter exposure concentration and its inhalation dosage levels in an urban area. <i>Building and Environment</i> , 2021, 198, 107914.	3.0	10
18	Application of micro-morphology in the physical characterization of urban road dust. <i>Particuology</i> , 2021, 54, 146-155.	2.0	9

#	ARTICLE	IF	CITATIONS
19	Assessment of gaseous emissions and radiative forcing in Indian forest fires. <i>International Journal of Environmental Studies</i> , 2019, 76, 541-557.	0.7	6
20	ANN-based PM prediction model for assessing the temporal variability of PM ₁₀ , PM _{2.5} and PM ₁ concentrations at an urban roadway. <i>International Journal of Environmental Engineering</i> , 2015, 7, 60.	0.1	5
21	Source apportionment of urban road dust using four multivariate receptor models. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	4
22	Quantification of Size Segregated Particulate Matter Deposition in Human Airways. <i>Journal of Advanced Research in Alternative Energy Environment and Ecology</i> , 2018, 05, 15-22.	0.0	4
23	Estimation of PM _{2.5} -Related Hospital Admissions and Its Monetary Burden in Hyderabad, India. <i>Lecture Notes in Civil Engineering</i> , 2020, , 1-10.	0.3	3
24	Size-segregated particulate matter characteristics in indoor and outdoor environments of urban traffic and residential sites. <i>Urban Climate</i> , 2022, 44, 101232.	2.4	3
25	Effect of silt loading on particle concentration in the atmosphere from resuspended road dust through particulate matter dispersion modeling. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 1475-1486.	1.5	2
26	Bioactive Trace Elements™ Composition and Their Fractional Solubility in Aerosols from the Arabian Sea during the Southwest Monsoon. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1969-1981.	1.2	2
27	Mass, composition, and sources of particulate matter in residential and traffic sites of an urban environment. <i>Environmental Geochemistry and Health</i> , 2023, 45, 2031-2050.	1.8	1
28	Winter time particulate matter concentrations at an urban roadway in India. <i>International Journal of Environmental Engineering</i> , 2013, 5, 351.	0.1	0
29	Assessment of Biomass Burning Emissions from India™ A Comprehensive Study. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 411-424.	0.3	0
30	Spatio-temporal health benefits attributable to PM _{2.5} reduction in an Indian city. <i>International Journal of Environmental Health Research</i> , 2022, , 1-11.	1.3	0