

Sarath K Guttikunda

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59
papers

6,514
citations

31
h-index

67
g-index

67
ext. papers

7,672
ext. citations

5.1
avg, IF

5.89
L-index

#	Paper	IF	Citations
59	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 5380-5552	4.4	3330
58	Atmospheric emissions and pollution from the coal-fired thermal power plants in India. <i>Atmospheric Environment</i> , 2014 , 92, 449-460	5.3	252
57	Nature of air pollution, emission sources, and management in the Indian cities. <i>Atmospheric Environment</i> , 2014 , 95, 501-510	5.3	200
56	Health impacts and economic losses assessment of the 2013 severe haze event in Beijing area. <i>Science of the Total Environment</i> , 2015 , 511, 553-61	10.2	194
55	A GIS based emissions inventory at 1 km \times 1 km spatial resolution for air pollution analysis in Delhi, India. <i>Atmospheric Environment</i> , 2013 , 67, 101-111	5.3	180
54	The episodic nature of air pollution transport from Asia to North America. <i>Journal of Geophysical Research</i> , 2000 , 105, 26931-26945		159
53	Health impacts of particulate pollution in a megacity Delhi, India. <i>Environmental Development</i> , 2013 , 6, 8-20	4.1	133
52	The contribution of megacities to regional sulfur pollution in Asia. <i>Atmospheric Environment</i> , 2003 , 37, 11-22	5.3	125
51	Impacts of dust on regional tropospheric chemistry during the ACE-Asia experiment: A model study with observations. <i>Journal of Geophysical Research</i> , 2004 , 109,		102
50	Role of meteorology in seasonality of air pollution in megacity Delhi, India. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 3199-211	3.1	100
49	Air pollution knowledge assessments (APnA) for 20 Indian cities. <i>Urban Climate</i> , 2019 , 27, 124-141	6.8	95
48	Indian annual ambient air quality standard is achievable by completely mitigating emissions from household sources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10711-10716	11.5	93
47	Quantifying the influence of agricultural fires in northwest India on urban air pollution in Delhi, India. <i>Environmental Research Letters</i> , 2018 , 13, 044018	6.2	93
46	The growing contribution of sulfur emissions from ships in Asian waters, 1988-1995. <i>Atmospheric Environment</i> , 2000 , 34, 4425-4439	5.3	86
45	Evolution of on-road vehicle exhaust emissions in Delhi. <i>Atmospheric Environment</i> , 2015 , 105, 78-90	5.3	85
44	Impacts of Asian megacity emissions on regional air quality during spring 2001. <i>Journal of Geophysical Research</i> , 2005 , 110,		78
43	Health and economic impact of air pollution in the states of India: the Global Burden of Disease Study 2019. <i>Lancet Planetary Health</i> , 2021 , 5, e25-e38	9.8	78

42	Exposure to particulate matter in India: A synthesis of findings and future directions. <i>Environmental Research</i> , 2016 , 147, 480-96	7.9	69
41	On-road PM2.5 pollution exposure in multiple transport microenvironments in Delhi. <i>Atmospheric Environment</i> , 2015 , 123, 129-138	5.3	68
40	Application of SIM-air modeling tools to assess air quality in Indian cities. <i>Atmospheric Environment</i> , 2012 , 62, 551-561	5.3	65
39	Particulate pollution from brick kiln clusters in the Greater Dhaka region, Bangladesh. <i>Air Quality, Atmosphere and Health</i> , 2013 , 6, 357-365	5.6	60
38	Particulate pollution in Ulaanbaatar, Mongolia. <i>Air Quality, Atmosphere and Health</i> , 2013 , 6, 589-601	5.6	57
37	Monitoring particulate matter in India: recent trends and future outlook. <i>Air Quality, Atmosphere and Health</i> , 2019 , 12, 45-58	5.6	55
36	Anthropogenic fugitive, combustion and industrial dust is a significant, underrepresented fine particulate matter source in global atmospheric models. <i>Environmental Research Letters</i> , 2017 , 12, 044018	6.2	54
35	Re-fueling road transport for better air quality in India. <i>Energy Policy</i> , 2014 , 68, 556-561	7.2	54
34	Benchmarking vehicle and passenger travel characteristics in Delhi for on-road emissions analysis. <i>Travel Behaviour & Society</i> , 2015 , 2, 88-101	5.3	48
33	Estimates of Health Impacts and Radiative Forcing in Winter Haze in Eastern China through Constraints of Surface PM Predictions. <i>Environmental Science & Technology</i> , 2017 , 51, 2178-2185	10.3	46
32	Source emissions and health impacts of urban air pollution in Hyderabad, India. <i>Air Quality, Atmosphere and Health</i> , 2014 , 7, 195-207	5.6	46
31	Quantifying the human health benefits of curbing air pollution in Shanghai. <i>Journal of Environmental Management</i> , 2004 , 70, 49-62	7.9	45
30	Survey of Ambient Air Pollution Health Risk Assessment Tools. <i>Risk Analysis</i> , 2016 , 36, 1718-36	3.9	43
29	Air quality, emissions, and source contributions analysis for the Greater Bengaluru region of India. <i>Atmospheric Pollution Research</i> , 2019 , 10, 941-953	4.5	33
28	Assessment of motor vehicle use characteristics in three Indian cities. <i>Transportation Research, Part D: Transport and Environment</i> , 2016 , 44, 254-265	6.4	31
27	Examination of monitoring approaches for ambient air pollution: A case study for India. <i>Atmospheric Environment</i> , 2019 , 216, 116940	5.3	29
26	Analysis of size-segregated winter season aerosol data from New Delhi, India. <i>Atmospheric Pollution Research</i> , 2016 , 7, 100-109	4.5	29
25	Urban Air Quality and Health in China. <i>Urban Studies</i> , 2002 , 39, 2283-2299	3.2	29

24	Sulfur Deposition in Asia: Seasonal Behavior and Contributions from Various Energy Sectors. <i>Water, Air, and Soil Pollution</i> , 2001 , 131, 383-406	2.6	26
23	Receptor model-based source apportionment of particulate pollution in Hyderabad, India. <i>Environmental Monitoring and Assessment</i> , 2013 , 185, 5585-93	3.1	24
22	Health assessment of future PM _{2.5} exposures from indoor, outdoor, and secondhand tobacco smoke concentrations under alternative policy pathways in Ulaanbaatar, Mongolia. <i>PLoS ONE</i> , 2017 , 12, e0186834	3.7	22
21	Particulate and gaseous emissions in two coastal cities Chennai and Vishakhapatnam, India. <i>Air Quality, Atmosphere and Health</i> , 2015 , 8, 559-572	5.6	21
20	An investigation of potential regional and local source regions affecting fine particulate matter concentrations in Delhi, India. <i>Journal of the Air and Waste Management Association</i> , 2015 , 65, 218-31	2.4	21
19	Health benefits of adapting cleaner brick manufacturing technologies in Dhaka, Bangladesh. <i>Air Quality, Atmosphere and Health</i> , 2014 , 7, 103-112	5.6	19
18	Ensemble averaging based assessment of spatiotemporal variations in ambient PM concentrations over Delhi, India, during 2010-2016. <i>Atmospheric Environment</i> , 2020 , 224, 117309-117309	5.3	15
17	Role of urban growth, technology, and judicial interventions on vehicle exhaust emissions in Delhi for 1991-2014 and 2014-2030 periods. <i>Environmental Development</i> , 2015 , 14, 6-21	4.1	14
16	Evaluation of Particulate Pollution and Health Impacts from Planned Expansion of Coal-Fired Thermal Power Plants in India Using WRF-CAMx Modeling System. <i>Aerosol and Air Quality Research</i> , 2018 , 18, 3187-3202	4.6	14
15	Applying Benefit-Cost Analysis to Air Pollution Control in the Indian Power Sector. <i>Journal of Benefit-Cost Analysis</i> , 2019 , 10, 185-205	2.6	11
14	National Clean Air Programme (NCAP) for Indian cities: Review and outlook of clean air action plans. <i>Atmospheric Environment: X</i> , 2020 , 8, 100096	2.8	11
13	Urban Air Pollution Analysis for Ulaanbaatar, Mongolia. <i>SSRN Electronic Journal</i> , 2008 ,	1	10
12	The mortality impacts of current and planned coal-fired power plants in India. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	9
11	Can We Vacuum Our Air Pollution Problem Using Smog Towers?. <i>Atmosphere</i> , 2020 , 11, 922	2.7	8
10	Costs and Benefits of Installing Flue-Gas Desulfurization Units at Coal-Fired Power Plants in India 2017 , 239-248		7
9	Particulate Matter Source Contributions for Raipur-Durg-Bhilai Region of Chhattisgarh, India. <i>Aerosol and Air Quality Research</i> , 2019 , 19, 528-540	4.6	6
8	Improving regional air quality predictions in the Indo-Gangetic Plain [Case study of an intensive pollution episode in November 2017]. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 2837-2860	6.8	3
7	Systematizing the approach to air quality measurement and analysis in low and middle income countries. <i>Environmental Research Letters</i> , 2022 , 17, 021004	6.2	2

6	Emissions from the Brick Manufacturing Industry 2014 , 319-331		2
5	Vartalaap. <i>Proceedings of the ACM on Human-Computer Interaction</i> , 2021 , 5, 1-29	3.4	1
4	The Health Impacts of Coal-Fired Power Plants in India and the Co-benefits of Greenhouse Gas Reductions. <i>AEA Papers and Proceedings American Economic Association</i> , 2021 , 111, 386-390	1.6	1
3	Impact Assessment of Growing Asian Megacity Emissions 2004 , 211-219		
2	Air Pollution Modeling 2010 , 45-106		
1	Big Data Resources to Support Research Opportunities on Air Pollution Analysis in India. <i>Lecture Notes in Computer Science</i> , 2022 , 389-401	0.9	