

# Sarath K Guttikunda

## List of Publications by Year in Descending Order

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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	Systematizing the approach to air quality measurement and analysis in low and middle income countries. <i>Environmental Research Letters</i> , <b>2022</b> , 17, 021004	6.2	2
58	Big Data Resources to Support Research Opportunities on Air Pollution Analysis in India. <i>Lecture Notes in Computer Science</i> , <b>2022</b> , 389-401	0.9	
57	Vartalaap. <i>Proceedings of the ACM on Human-Computer Interaction</i> , <b>2021</b> , 5, 1-29	3.4	1
56	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> , <b>2021</b> , 111, 386-390	1.6	1
55	Health and economic impact of air pollution in the states of India: the Global Burden of Disease Study 2019. <i>Lancet Planetary Health</i> , <b>2021</b> , 5, e25-e38	9.8	78
54	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> , <b>2021</b> , 21, 2837-2860	6.8	3
53	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> , <b>2021</b> , 118,	11.5	9
52	National Clean Air Programme (NCAP) for Indian cities: Review and outlook of clean air action plans. <i>Atmospheric Environment: X</i> , <b>2020</b> , 8, 100096	2.8	11
51	Ensemble averaging based assessment of spatiotemporal variations in ambient PM concentrations over Delhi, India, during 2010-2016. <i>Atmospheric Environment</i> , <b>2020</b> , 224, 117309-117309	5.3	15
50	Can We Vacuum Our Air Pollution Problem Using Smog Towers?. <i>Atmosphere</i> , <b>2020</b> , 11, 922	2.7	8
49	Examination of monitoring approaches for ambient air pollution: A case study for India. <i>Atmospheric Environment</i> , <b>2019</b> , 216, 116940	5.3	29
48	Applying Benefit-Cost Analysis to Air Pollution Control in the Indian Power Sector. <i>Journal of Benefit-Cost Analysis</i> , <b>2019</b> , 10, 185-205	2.6	11
47	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> , <b>2019</b> , 116, 10711-10716	11.5	93
46	Particulate Matter Source Contributions for Raipur-Durg-Bhilai Region of Chhattisgarh, India. <i>Aerosol and Air Quality Research</i> , <b>2019</b> , 19, 528-540	4.6	6
45	Air quality, emissions, and source contributions analysis for the Greater Bengaluru region of India. <i>Atmospheric Pollution Research</i> , <b>2019</b> , 10, 941-953	4.5	33
44	Air pollution knowledge assessments (APnA) for 20 Indian cities. <i>Urban Climate</i> , <b>2019</b> , 27, 124-141	6.8	95
43	Monitoring particulate matter in India: recent trends and future outlook. <i>Air Quality, Atmosphere and Health</i> , <b>2019</b> , 12, 45-58	5.6	55

42	Quantifying the influence of agricultural fires in northwest India on urban air pollution in Delhi, India. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 044018	6.2	93
41	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> , <b>2018</b> , 18, 3187-3202	4.6	14
40	Estimates of Health Impacts and Radiative Forcing in Winter Haze in Eastern China through Constraints of Surface PM Predictions. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 2178-2185	10.3	46
39	Anthropogenic fugitive, combustion and industrial dust is a significant, underrepresented fine particulate matter source in global atmospheric models. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 044018	6.2	54
38	Health assessment of future PM <sub>2.5</sub> exposures from indoor, outdoor, and secondhand tobacco smoke concentrations under alternative policy pathways in Ulaanbaatar, Mongolia. <i>PLoS ONE</i> , <b>2017</b> , 12, e0186834	3.7	22
37	Costs and Benefits of Installing Flue-Gas Desulfurization Units at Coal-Fired Power Plants in India <b>2017</b> , 239-248		7
36	Assessment of motor vehicle use characteristics in three Indian cities. <i>Transportation Research, Part D: Transport and Environment</i> , <b>2016</b> , 44, 254-265	6.4	31
35	Analysis of size-segregated winter season aerosol data from New Delhi, India. <i>Atmospheric Pollution Research</i> , <b>2016</b> , 7, 100-109	4.5	29
34	Exposure to particulate matter in India: A synthesis of findings and future directions. <i>Environmental Research</i> , <b>2016</b> , 147, 480-96	7.9	69
33	Survey of Ambient Air Pollution Health Risk Assessment Tools. <i>Risk Analysis</i> , <b>2016</b> , 36, 1718-36	3.9	43
32	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> , <b>2015</b> , 14, 6-21	4.1	14
31	On-road PM <sub>2.5</sub> pollution exposure in multiple transport microenvironments in Delhi. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 129-138	5.3	68
30	Particulate and gaseous emissions in two coastal cities Chennai and Vishakhapatnam, India. <i>Air Quality, Atmosphere and Health</i> , <b>2015</b> , 8, 559-572	5.6	21
29	Benchmarking vehicle and passenger travel characteristics in Delhi for on-road emissions analysis. <i>Travel Behaviour &amp; Society</i> , <b>2015</b> , 2, 88-101	5.3	48
28	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> , <b>2015</b> , 65, 218-31	2.4	21
27	Evolution of on-road vehicle exhaust emissions in Delhi. <i>Atmospheric Environment</i> , <b>2015</b> , 105, 78-90	5.3	85
26	Health impacts and economic losses assessment of the 2013 severe haze event in Beijing area. <i>Science of the Total Environment</i> , <b>2015</b> , 511, 553-61	10.2	194
25	Re-fueling road transport for better air quality in India. <i>Energy Policy</i> , <b>2014</b> , 68, 556-561	7.2	54

24	Atmospheric emissions and pollution from the coal-fired thermal power plants in India. <i>Atmospheric Environment</i> , <b>2014</b> , 92, 449-460	5.3	252
23	Nature of air pollution, emission sources, and management in the Indian cities. <i>Atmospheric Environment</i> , <b>2014</b> , 95, 501-510	5.3	200
22	Health benefits of adapting cleaner brick manufacturing technologies in Dhaka, Bangladesh. <i>Air Quality, Atmosphere and Health</i> , <b>2014</b> , 7, 103-112	5.6	19
21	Source emissions and health impacts of urban air pollution in Hyderabad, India. <i>Air Quality, Atmosphere and Health</i> , <b>2014</b> , 7, 195-207	5.6	46
20	Emissions from the Brick Manufacturing Industry <b>2014</b> , 319-331		2
19	Health impacts of particulate pollution in a megacity Delhi, India. <i>Environmental Development</i> , <b>2013</b> , 6, 8-20	4.1	133
18	A GIS based emissions inventory at 1 km $\times$ 1 km spatial resolution for air pollution analysis in Delhi, India. <i>Atmospheric Environment</i> , <b>2013</b> , 67, 101-111	5.3	180
17	Particulate pollution in Ulaanbaatar, Mongolia. <i>Air Quality, Atmosphere and Health</i> , <b>2013</b> , 6, 589-601	5.6	57
16	Particulate pollution from brick kiln clusters in the Greater Dhaka region, Bangladesh. <i>Air Quality, Atmosphere and Health</i> , <b>2013</b> , 6, 357-365	5.6	60
15	Receptor model-based source apportionment of particulate pollution in Hyderabad, India. <i>Environmental Monitoring and Assessment</i> , <b>2013</b> , 185, 5585-93	3.1	24
14	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 5380-5552	4.4	3330
13	Application of SIM-air modeling tools to assess air quality in Indian cities. <i>Atmospheric Environment</i> , <b>2012</b> , 62, 551-561	5.3	65
12	Role of meteorology in seasonality of air pollution in megacity Delhi, India. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 3199-211	3.1	100
11	Air Pollution Modeling <b>2010</b> , 45-106		
10	Urban Air Pollution Analysis for Ulaanbaatar, Mongolia. <i>SSRN Electronic Journal</i> , <b>2008</b> ,	1	10
9	Impacts of Asian megacity emissions on regional air quality during spring 2001. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		78
8	Impact Assessment of Growing Asian Megacity Emissions <b>2004</b> , 211-219		
7	Quantifying the human health benefits of curbing air pollution in Shanghai. <i>Journal of Environmental Management</i> , <b>2004</b> , 70, 49-62	7.9	45

6	Impacts of dust on regional tropospheric chemistry during the ACE-Asia experiment: A model study with observations. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		102
5	The contribution of megacities to regional sulfur pollution in Asia. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 11-22	5.3	125
4	Urban Air Quality and Health in China. <i>Urban Studies</i> , <b>2002</b> , 39, 2283-2299	3.2	29
3	Sulfur Deposition in Asia: Seasonal Behavior and Contributions from Various Energy Sectors. <i>Water, Air, and Soil Pollution</i> , <b>2001</b> , 131, 383-406	2.6	26
2	The growing contribution of sulfur emissions from ships in Asian waters, 1988-1995. <i>Atmospheric Environment</i> , <b>2000</b> , 34, 4425-4439	5.3	86
1	The episodic nature of air pollution transport from Asia to North America. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 26931-26945		159