

Bhola Ram Gurjar

List of Publications by Year in descending order

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76
papers

3,385
citations

218677

26
h-index

149698

56
g-index

80
all docs

80
docs citations

80
times ranked

3557
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of emissions and air quality in megacities. Atmospheric Environment, 2008, 42, 1593-1606.	4.1	434
2	Human health risks in megacities due to air pollution. Atmospheric Environment, 2010, 44, 4606-4613.	4.1	315
3	Air pollution trends over Indian megacities and their local-to-global implications. Atmospheric Environment, 2016, 142, 475-495.	4.1	265
4	Emission estimates and trends (1990â€“2000) for megacity Delhi and implications. Atmospheric Environment, 2004, 38, 5663-5681.	4.1	215
5	Regional pollution potentials of megacities and other major population centers. Atmospheric Chemistry and Physics, 2007, 7, 3969-3987.	4.9	161
6	Role of meteorology in seasonality of air pollution in megacity Delhi, India. Environmental Monitoring and Assessment, 2012, 184, 3199-3211.	2.7	146
7	The representation of emissions from megacities in global emission inventories. Atmospheric Environment, 2008, 42, 703-719.	4.1	128
8	Microalgae: An emerging source of energy based bio-products and a solution for environmental issues. Renewable and Sustainable Energy Reviews, 2017, 72, 1083-1093.	16.4	106
9	Preliminary Estimates of Nanoparticle Number Emissions from Road Vehicles in Megacity Delhi and Associated Health Impacts. Environmental Science & Technology, 2011, 45, 5514-5521.	10.0	97
10	Assessment of urban heat island effect for different land useâ€“land cover from micrometeorological measurements and remote sensing data for megacity Delhi. Theoretical and Applied Climatology, 2013, 112, 647-658.	2.8	95
11	Estimation of exhaust and non-exhaust gaseous, particulate matter and air toxics emissions from on-road vehicles in Delhi. Atmospheric Environment, 2016, 127, 118-124.	4.1	93
12	New Directions: Can a â€œblue skyâ€“return to Indian megacities?. Atmospheric Environment, 2013, 71, 198-201.	4.1	91
13	New Directions: Megacities and global change. Atmospheric Environment, 2005, 39, 391-393.	4.1	90
14	Characterization of dye-decolorizing peroxidase from Bacillus subtilis. Archives of Biochemistry and Biophysics, 2020, 693, 108590.	3.0	61
15	Human health risks in national capital territory of Delhi due to air pollution. Atmospheric Pollution Research, 2014, 5, 371-380.	3.8	59
16	Air Quality in Selected Megacities. Journal of the Air and Waste Management Association, 2004, 54, 1-73.	1.9	54
17	Preparation and Validation of Gridded Emission Inventory of Criteria Air Pollutants and Identification of Emission Hotspots for Megacity Delhi. Environmental Monitoring and Assessment, 2007, 130, 323-339.	2.7	51
18	Water Pollution, Human Health and Remediation. Energy, Environment, and Sustainability, 2018, , 11-27.	1.0	51

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19	Traffic induced emission estimates and trends (2000–2005) in megacity Delhi. <i>Urban Climate</i> , 2013, 4, 61-73.	5.7	50
20	Development and evaluation of Vehicular Air Pollution Inventory model. <i>Atmospheric Environment</i> , 2012, 59, 160-169.	4.1	49
21	Impact of altitude on emission rates of ozone precursors from gasoline-driven light-duty commercial vehicles. <i>Atmospheric Environment</i> , 2011, 45, 1413-1417.	4.1	45
22	Heterotrophic cultivation of microalgae in photobioreactor using low cost crude glycerol for enhanced biodiesel production. <i>Renewable Energy</i> , 2017, 113, 1359-1365.	8.9	45
23	Seasonal progression of atmospheric particulate matter over an urban coastal region in peninsular India: Role of local meteorology and long-range transport. <i>Atmospheric Research</i> , 2018, 199, 145-158.	4.1	39
24	Uncertainties in emissions estimates of greenhouse gases and air pollutants in India and their impacts on regional air quality. <i>Environmental Research Letters</i> , 2017, 12, 065002.	5.2	38
25	Utilization of de-oiled algal biomass for enhancing vehicular quality biodiesel production from <i>Chlorella</i> sp. in mixotrophic cultivation systems. <i>Renewable Energy</i> , 2018, 122, 80-88.	8.9	31
26	Seasonal trends, meteorological impacts, and associated health risks with atmospheric concentrations of gaseous pollutants at an Indian coastal city. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11418-11432.	5.3	26
27	Regional pollution loading in winter months over India using high resolution WRF-Chem simulation. <i>Atmospheric Research</i> , 2021, 249, 105326.	4.1	24
28	Automation of emergency response for petroleum oil storage terminals. <i>Safety Science</i> , 2015, 72, 262-273.	4.9	22
29	Contribution of different source sectors and source regions of Indo-Gangetic Plain in India to PM _{2.5} pollution and its short-term health impacts during peak polluted winter. <i>Atmospheric Pollution Research</i> , 2021, 12, 89-100.	3.8	22
30	Spatial and seasonal variation of air quality in different microenvironments of a technical university in India. <i>Building and Environment</i> , 2020, 185, 107310.	6.9	21
31	Oxidative Degradation of Quinoline Using Nanoscale Zero-Valent Iron Supported by Granular Activated Carbon. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	20
32	Spatio-temporal variations of indoor air quality in a university library. <i>International Journal of Environmental Health Research</i> , 2021, 31, 475-490.	2.7	19
33	Assessment of GHG mitigation and CDM technology in urban transport sector of Chandigarh, India. <i>Environmental Science and Pollution Research</i> , 2018, 25, 363-374.	5.3	17
34	An integrated approach for phycoremediation of municipal wastewater and production of sustainable transportation fuel using oleaginous <i>Chlorella</i> sp.. <i>Journal of Water Process Engineering</i> , 2021, 42, 102183.	5.6	17
35	Treatment of pyridine-bearing wastewater by Nano Zero-valent iron supported on activated carbon derived from agricultural waste. <i>Desalination and Water Treatment</i> , 2016, 57, 6250-6260.	1.0	16
36	Seasonal analysis of submicron aerosol in Old Delhi using high-resolution aerosol mass spectrometry: chemical characterisation, source apportionment and new marker identification. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10133-10158.	4.9	15

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37	Structural, Functional and Evolutionary Aspects of Seed Globulins. Protein and Peptide Letters, 2017, 24, 267-277.	0.9	15
38	Corporate responses to the CDM: the Indian pulp and paper industry. Climate Policy, 2009, 9, 255-272.	5.1	14
39	A new perspective of probing the level of pollution in the megacity Delhi affected by crop residue burning using the triple oxygen isotope technique in atmospheric CO ₂ . Environmental Pollution, 2020, 263, 114542.	7.5	14
40	Integrated risk analysis for acute and chronic exposure to toxic chemicals. Journal of Hazardous Materials, 2003, 103, 25-40.	12.4	13
41	Removal of Pathogens by River Bank Filtration at Haridwar, India. Hydrological Processes, 2013, 27, 1535-1542.	2.6	13
42	Biofuels and Their Production Through Different Catalytic Routes. Chemical and Biochemical Engineering Quarterly, 2017, 31, 47-62.	0.9	13
43	A novel approach using low-cost Citrus limetta waste for mixotrophic cultivation of oleaginous microalgae to augment automotive quality biodiesel production. Environmental Science and Pollution Research, 2019, 26, 16115-16124.	5.3	13
44	PM ₁₀ and Heavy Metals in Suburban and Rural Atmospheric Environments of Northern India. Journal of Hazardous, Toxic, and Radioactive Waste, 2012, 16, 175-182.	2.0	12
45	Low-Cost Sensors for Air Quality Monitoring in Developing Countries – A Critical View. Asian Journal of Water, Environment and Pollution, 2019, 16, 65-70.	0.5	12
46	Functional efficiency in airport terminals: A review on Overall and Stratified Service Quality. Journal of Air Transport Management, 2020, 87, 101837.	4.5	12
47	Aerosol number concentrations and new particle formation events over a polluted megacity during the COVID-19 lockdown. Atmospheric Environment, 2021, 259, 118526.	4.1	12
48	Purification and Characterization of 2S Albumin from Seeds of Wrightia tinctoria Exhibiting Antibacterial and DNase Activity. Protein and Peptide Letters, 2017, 24, 368-378.	0.9	12
49	Potential health risks due to toxic contamination in the ambient environment of certain Indian states. Environmental Monitoring and Assessment, 2003, 82, 203-223.	2.7	11
50	nFeO/GAC-mediated advanced catalytic per-oxidation for pharmaceutical wastewater treatment. Journal of Environmental Chemical Engineering, 2014, 2, 1996-2004.	6.7	11
51	Potential Assessment of Neural Network and Decision Tree Algorithms for Forecasting Ambient PM _{2.5} and CO Concentrations: Case Study. Journal of Hazardous, Toxic, and Radioactive Waste, 2016, 20, .	2.0	11
52	Gaseous emissions from agricultural activities and wetlands in national capital territory of Delhi. Ecological Engineering, 2015, 75, 123-127.	3.6	10
53	Potential Health Risks Related to Carcinogens in the Atmospheric Environment in India. Regulatory Toxicology and Pharmacology, 1996, 24, 141-148.	2.7	9
54	Impact of CNG on emissions of PAHs and PCDDs/Fs from the road transport in Delhi. Atmospheric Pollution Research, 2011, 2, 394-399.	3.8	8

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55	Individual and Societal Risk Assessment for a Petroleum Oil Storage Terminal. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2015, 19, .	2.0	8
56	Assessment of the effect of the judicial prohibition on firecracker celebration at the Diwali festival on air quality in Delhi, India. <i>Environmental Science and Pollution Research</i> , 2022, 29, 86247-86259.	5.3	7
57	Formulation, application and evaluation of a stack emission model for coal-based power stations. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 1235-1244.	3.5	6
58	South Asian Perspective: A Case of Urban Air Pollution and Potential for Climate Co-benefits in India. <i>Exploring Urban Change in South Asia</i> , 2018, , 77-98.	1.0	6
59	A Risk-Based Model to Establish Threshold Planning Quantities of Hazardous Substances. <i>Journal of the Air and Waste Management Association</i> , 2004, 54, 495-503.	1.9	5
60	Modeling and Prediction of Hourly Ambient Ozone (O ₃) and Oxides of Nitrogen (NO _x) Concentrations Using Artificial Neural Network and Decision Tree Algorithms for an Urban Intersection in India. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2016, 20, .	2.0	5
61	Role of Different Feedstocks on the Butanol Production Through Microbial and Catalytic Routes. <i>International Journal of Chemical Reactor Engineering</i> , 2018, 16, .	1.1	5
62	Ultrafine particle number concentration and its size distribution during Diwali festival in megacity Delhi, India: Are "green crackers" safe?. <i>Journal of Environmental Management</i> , 2022, 317, 115459.	7.8	5
63	Fireworks induced quasi-ultrafine particle number concentration and size-resolved elemental distribution in megacity Delhi. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	4
64	Assessment of Reactive Nitrogen Emissions From Indian Transport Sector. , 2017, , 469-481.		3
65	Greenhouse Gas Emissions Reductions from In-Situ Aeration in a Landfill: A Multi-Parameter Sensitivity Analysis Approach. <i>Journal of Environmental Informatics</i> , 2013, , 78-91.	6.0	3
66	Stack emissions and health risk integrated (SEHRI) model: a tool for stack emissions and health risk modeling. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 1483-1493.	3.3	2
67	Ultrafine Particles in Concern of Vehicular Exhaust"An Overview. <i>Energy, Environment, and Sustainability</i> , 2019, , 7-38.	1.0	2
68	Improved Rating System for Hazard Assessment Related to Subsurface Migration of Landfill Gas from Municipal Solid Waste Landfills and Dumps. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2018, 22, 04018003.	2.0	1
69	Response of groundwater contamination hazard rating systems to variations in subsoil conditions beneath municipal solid waste (MSW) dumps in developing countries. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	1
70	Sensitivity analysis of probits with respect to Quantitative Risk Assessment of airborne toxic chemicals using IITD-QRA model. <i>International Journal of Environment and Waste Management</i> , 2010, 6, 345.	0.3	0
71	STUDY ON STRUCTURE OF SURFACE AIR TEMPERATURE DISTRIBUTION AND POTENTIAL OF HEAT ISLAND COUNTERMEASURES IN DELHI UNDER DRY CLIMATE. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2011, 67, II_315-II_326.	0.1	0
72	Special Issue on Toxics and Pathogens in the Environment. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2012, 16, 94-95.	2.0	0

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73	Special Issue on Hazardous and Toxic Pollutants in the Air. Journal of Hazardous, Toxic, and Radioactive Waste, 2016, 20, .	2.0	0
74	Emissions of Reactive Nitrogen From Energy and Industry Sectors in India. , 2017, , 483-488.		0
75	Closure to "Potential Assessment of Neural Network and Decision Tree Algorithms for Forecasting Ambient PM2.5 and CO Concentrations: Case Study" by Chandra Sekar, B. R. Gurjar, C. S. P. Ojha, and Manish Kumar Goyal. Journal of Hazardous, Toxic, and Radioactive Waste, 2017, 21, 07017002.	2.0	0
76	Pollution Exposure to Humans and Its Assessment. Advances in Environmental Engineering and Green Technologies Book Series, 2018, , 93-121.	0.4	0