Khaiwal Ravindra

List of Publications by Year
in descending order

109 papers	7,581 citations	57719 44 h-index	54882 84 g-index
110 all docs	110 docs citations	110 times ranked	7946 citing authors

#	Article	IF	Citations
1	Platinum group elements in the environment and their health risk. Science of the Total Environment, 2004, 318, 1-43.	3.9	575
2	Leachate Characterization and Assessment of Groundwater Pollution Near Municipal Solid Waste Landfill Site. Environmental Monitoring and Assessment, 2006, 118, 435-456.	1.3	520
3	Seasonal and site-specific variation in vapour and aerosol phase PAHs over Flanders (Belgium) and their relation with anthropogenic activities. Atmospheric Environment, 2006, 40, 771-785.	1.9	407
4	Air pollution trends over Indian megacities and their local-to-global implications. Atmospheric Environment, 2016, 142, 475-495.	1.9	265
5	Adsorption of chromium from aqueous solution by activated alumina and activated charcoal. Bioresource Technology, 2007, 98, 954-957.	4.8	248
6	Generalized additive models: Building evidence of air pollution, climate change and human health. Environment International, 2019, 132, 104987.	4.8	226
7	Municipal solid waste characterization and its assessment for potential methane generation: A case study. Science of the Total Environment, 2006, 371, 1-10.	3.9	223
8	Emissions of air pollutants from primary crop residue burning in India and their mitigation strategies for cleaner emissions. Journal of Cleaner Production, 2019, 208, 261-273.	4.6	210
9	Distribution and health risk assessment of arsenic and selected heavy metals in Groundwater of Chandigarh, India. Environmental Pollution, 2019, 250, 820-830.	3.7	192
10	Diurnal and temporal changes in air pollution during COVID-19 strict lockdown over different regions of India. Environmental Pollution, 2020, 266, 115368.	3.7	189
11	Source apportionment of traffic emissions of particulate matter using tunnel measurements. Atmospheric Environment, 2013, 77, 548-557.	1.9	184
12	Variation in particulate PAHs levels and their relation with the transboundary movement of the air masses. Science of the Total Environment, 2008, 396, 100-110.	3.9	174
13	Methods for the determination of platinum group elements originating from the abrasion of automotive catalytic converters. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2003, 58, 1723-1755.	1.5	169
14	Application of agro-waste rice husk ash for the removal of phosphate from the wastewater. Journal of Cleaner Production, 2016, 129, 673-680.	4.6	162
15	Assessment of Air Quality After the Implementation of Compressed Natural Gas (CNG) as Fuel in Public Transport in Delhi, India. Environmental Monitoring and Assessment, 2006, 115, 405-417.	1.3	153
16	Short-term variation in air quality associated with firework events: A case study. Journal of Environmental Monitoring, 2003, 5, 260-264.	2.1	150
17	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. Environment International, 2021, 157, 106818.	4.8	126
18	Nanosilica extraction from processed agricultural residue using green technology. Journal of Cleaner Production, 2017, 143, 1284-1290.	4.6	121

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19	Household air pollution from various types of rural kitchens and its exposure assessment. Science of the Total Environment, 2017, 586, 419-429.	3.9	110
20	Seasonal variations in physico-chemical characteristics of River Yamuna in Haryana and its ecological best-designated use. Journal of Environmental Monitoring, 2003, 5, 419.	2.1	106
21	Trend in household energy consumption pattern in India: A case study on the influence of socio-cultural factors for the choice of clean fuel use. Journal of Cleaner Production, 2019, 213, 1024-1034.	4.6	99
22	Quantification of vehicle fleet PM 10 particulate matter emission factors from exhaust and non-exhaust sources using tunnel measurement techniques. Environmental Pollution, 2016, 210, 419-428.	3.7	97
23	Real-time monitoring of air pollutants in seven cities of North India during crop residue burning and their relationship with meteorology and transboundary movement of air. Science of the Total Environment, 2019, 690, 717-729.	3.9	96
24	System analysis of municipal solid waste management in Chandigarh and minimization practices for cleaner emissions. Journal of Cleaner Production, 2015, 89, 251-256.	4.6	89
25	Impact of COVID-19 lockdown on air quality in Chandigarh, India: Understanding the emission sources during controlled anthropogenic activities. Chemosphere, 2021, 263, 127978.	4.2	87
26	Induction of enhanced methane oxidation in compost: Temperature and moisture response. Waste Management, 2006, 26, 381-388.	3.7	86
27	E-waste generation and management practices in Chandigarh, India and economic evaluation for sustainable recycling. Journal of Cleaner Production, 2019, 221, 286-294.	4.6	83
28	Activity pattern and personal exposure to nitrogen dioxide in indoor and outdoor microenvironments. Environment International, 2010, 36, 36-45.	4.8	79
29	High resolution vehicular PM10 emissions over megacity Delhi: Relative contributions of exhaust and non-exhaust sources. Science of the Total Environment, 2020, 699, 134273.	3.9	77
30	Higher body mass index is an important risk factor in COVID-19 patients: a systematic review and meta-analysis. Environmental Science and Pollution Research, 2020, 27, 42115-42123.	2.7	74
31	Fast chromatographic determination of polycyclic aromatic hydrocarbons in aerosol samples from sugar cane burning. Journal of Chromatography A, 2004, 1027, 49-53.	1.8	73
32	Evaluation of groundwater contamination in Chandigarh: Source identification and health risk assessment. Environmental Pollution, 2019, 255, 113062.	3.7	72
33	Impact of landfill leachate on the groundwater quality in three cities of North India and health risk assessment. Environment, Development and Sustainability, 2020, 22, 1455-1474.	2.7	69
34	COVID-19 lockdown and its impact on tropospheric NO2 concentrations over India using satellite-based data. Heliyon, 2020, 6, e04764.	1.4	69
35	Hydro-chemical Survey of Groundwater of Hisar City and Assessment of Defluoridation Methods Used in India. Environmental Monitoring and Assessment, 2007, 132, 33-43.	1.3	64
36	A high-resolution emission inventory of air pollutants from primary crop residue burning over Northern India based on VIIRS thermal anomalies. Environmental Pollution, 2020, 266, 115132.	3.7	63

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37	Impact of COVID-19 lockdown on ambient air quality in megacities of India and implication for air pollution control strategies. Environmental Science and Pollution Research, 2021, 28, 21621-21632.	2.7	62
38	Removal of chemical oxygen demand from landfill leachate using cow-dung ash as a low-cost adsorbent. Journal of Colloid and Interface Science, 2016, 469, 338-343.	5.0	59
39	Assessment of Ambient Air Quality in Urban Centres of Haryana (India) in Relation to Different Anthropogenic Activities and Health Risks. Environmental Monitoring and Assessment, 2006, 122, 27-40.	1.3	57
40	Trends of atmospheric black carbon concentration over the United Kingdom. Atmospheric Environment, 2018, 178, 148-157.	1.9	57
41	Emission of black carbon from rural households kitchens and assessment of lifetime excess cancer risk in villages of North India. Environment International, 2019, 122, 201-212.	4.8	52
42	Variation in spatial pattern of criteria air pollutants before and during initial rain of monsoon. Environmental Monitoring and Assessment, 2003, 87, 145-153.	1.3	51
43	Distribution of fluoride in groundwater and its suitability assessment for drinking purpose. International Journal of Environmental Health Research, 2006, 16, 163-166.	1.3	50
44	Emission factors and global warming potential of various solid biomass fuel-cook stove combinations. Atmospheric Pollution Research, 2020, 11, 252-260.	1.8	49
45	Air Pollution in India: Bridging the Gap between Science and Policy. Journal of Hazardous, Toxic, and Radioactive Waste, 2016, 20, .	1.2	45
46	Chemical characterization and multivariate analysis of atmospheric PM2.5 particles. Journal of Atmospheric Chemistry, 2008, 59, 199-218.	1.4	44
47	Mass and ionic composition of atmospheric fine particles over Belgium and their relation with gaseous air pollutants. Journal of Environmental Monitoring, 2008, 10, 1148.	2.1	44
48	COVID-19 lockdown-induced changes in NO₂ levels across India observed by multi-satellite and surface observations. Atmospheric Chemistry and Physics, 2021, 21, 5235-5251.	1.9	44
49	Assessment of noise pollution in and around a sensitive zone in North India and its non-auditory impacts. Science of the Total Environment, 2016, 566-567, 981-987.	3.9	43
50	Impact of the COVID-19 pandemic on clean fuel programmes in India and ensuring sustainability for household energy needs. Environment International, 2021, 147, 106335.	4.8	42
51	Fast analysis of decabrominated diphenyl ether using low-pressure gas chromatographyâ€“electron-capture negative ionization mass spectrometry. Journal of Chromatography A, 2008, 1186, 295-301.	1.8	41
52	Appraisal of thermal comfort in rural household kitchens of Punjab, India and adaptation strategies for better health. Environment International, 2019, 124, 431-440.	4.8	40
53	Effective smoke-free policies in achieving a high level of compliance with smoke-free law: experiences from a district of North India. Tobacco Control, 2014, 23, 291-294.	1.8	39
54	Air pollution trend in Chandigarh city situated in Indo-Gangetic Plains: Understanding seasonality and impact of mitigation strategies. Science of the Total Environment, 2020, 729, 138717.	3.9	39

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55	Occupational exposure to the municipal solid waste workers in Chandigarh, India. Waste Management and Research, 2016, 34, 1192-1195.	2.2	38
56	Cost evaluation of different household fuels and identification of the barriers for the choice of clean cooking fuels in India. Sustainable Cities and Society, 2020, 52, 101825.	5.1	37
57	Appraisal of salinity and fluoride in a semi-arid region of India using statistical and multivariate techniques. Environmental Geochemistry and Health, 2009, 31, 643-655.	1.8	36
58	Assessment of groundwater pollution by landfills in India using leachate pollution index and estimation of error. Environmental Nanotechnology, Monitoring and Management, 2018, 10, 467-476.	1.7	35
59	Assessment of hydrothermally modified fly ash for the treatment of methylene blue dye in the textile industry wastewater. Environment, Development and Sustainability, 2018, 20, 625-639.	2.7	33
60	Low-pressure gas chromatography: Recent trends and developments. TrAC - Trends in Analytical Chemistry, 2008, 27, 291-303.	5.8	32
61	Appraisal of regional haze event and its relationship with PM2.5 concentration, crop residue burning and meteorology in Chandigarh, India. Chemosphere, 2021, 273, 128562.	4.2	32
62	Exposure to air pollutants and risk of congenital anomalies: A systematic review and metaanalysis. Science of the Total Environment, 2021, 765, 142772.	3.9	32
63	Better kitchens and toilets: both needed for better health. Environmental Science and Pollution Research, 2018, 25, 12299-12302.	2.7	30
64	Climatological trends in satellite-derived aerosol optical depth over North India and its relationship with crop residue burning: Rural-urban contrast. Science of the Total Environment, 2020, 748, 140963.	3.9	30
65	Application of solâ€“gel technique for preparation of nanosilica from coal powered thermal power plant fly ash. Journal of Sol-Gel Science and Technology, 2017, 83, 574-581.	1.1	29
66	Does airborne pollen influence COVID-19 outbreak?. Sustainable Cities and Society, 2021, 70, 102887.	5.1	29
67	COVID-19 pandemic: What can we learn for better air quality and human health?. Journal of Infection and Public Health, 2022, 15, 187-198.	1.9	29
68	Utilization of nano-alumina and activated charcoal for phosphate removal from wastewater. Environmental Nanotechnology, Monitoring and Management, 2017, 7, 15-23.	1.7	27
69	Low-pressure gas chromatographyâ€“ion trap mass spectrometry for the fast determination of polycyclic aromatic hydrocarbons in air samples. Journal of Chromatography A, 2006, 1114, 278-281.	1.8	26
70	Evaluation of biomedical waste management practices in public and private sector of health care facilities in India. Environmental Science and Pollution Research, 2019, 26, 26082-26089.	2.7	26
71	Water uses, treatment, and sanitation practices in rural areas of Chandigarh and its relation with waterborne diseases. Environmental Science and Pollution Research, 2019, 26, 19512-19522.	2.7	25
72	Appraisal of measurement methods, chemical composition and sources of fine atmospheric particles over six different areas of Northern Belgium. Environmental Pollution, 2010, 158, 3421-3430.	3.7	24

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73	Respiratory Health Status of Rural Women Exposed to Liquefied Petroleum Gas and Solid Biomass Fuel Emissions. Air, Soil and Water Research, 2019, 12, 117862211987431.	1.2	23
74	Risk factors and prevalence of dental fluorosis and dental caries in school children of North India. Environmental Monitoring and Assessment, 2017, 189, 40.	1.3	20
75	Understanding seasonal variation in ambient air quality and its relationship with crop residue burning activities in an agrarian state of India. Environmental Science and Pollution Research, 2022, 29, 4145-4158.	2.7	20
76	Assessment of thermal comfort parameters in various car models and mitigation strategies for extreme heat-health risks in the tropical climate. Journal of Environmental Management, 2020, 267, 110655.	3.8	19
77	Potential of agro-waste sugarcane bagasse ash for the removal of ammoniacal nitrogen from landfill leachate. Environmental Science and Pollution Research, 2019, 26, 24516-24531.	2.7	18
78	Five probable factors responsible for the COVID-associated mucormycosis outbreak in India. International Journal of Infectious Diseases, 2021, 112, 278-280.	1.5	18
79	Heavy metal content in various types of candies and their daily dietary intake by children. Environmental Monitoring and Assessment, 2016, 188, 86.	1.3	17
80	Assessment of GHG mitigation and CDM technology in urban transport sector of Chandigarh, India. Environmental Science and Pollution Research, 2018, 25, 363-374.	2.7	17
81	Exposure to household air pollution during first 3 years of life and IQ level among 6â€“8-year-old children in India â€“ A cross-sectional study. Science of the Total Environment, 2020, 709, 135110.	3.9	17
82	Transition to clean household energy through an application of integrated model: Ensuring sustainability for better health, climate and environment. Science of the Total Environment, 2021, 775, 145657.	3.9	17
83	Distribution of heavy metals in surface soil near a coal power production unit: potential risk to ecology and human health. Environmental Monitoring and Assessment, 2022, 194, 263.	1.3	17
84	Influence of agricultural activities on atmospheric pollution during post-monsoon harvesting seasons at a rural location of Indo-Gangetic Plain. Science of the Total Environment, 2021, 796, 148903.	3.9	15
85	Seasonal variations in carbonaceous species of PM2.5 aerosols at an urban location situated in Indo-Gangetic Plain and its relationship with transport pathways, including the potential sources. Journal of Environmental Management, 2022, 303, 114049.	3.8	15
86	COVID-19 pandemic and sudden rise in crop residue burning in India: issues and prospects for sustainable crop residue management. Environmental Science and Pollution Research, 2022, 29, 3155-3161.	2.7	15
87	Detection and identification of dust mite allergens in the air conditioning filters in Chandigarh, India. Environmental Science and Pollution Research, 2019, 26, 24262-24271.	2.7	14
88	Influence of meteorological parameters and air pollutants on the airborne pollen of city Chandigarh, India. Science of the Total Environment, 2022, 818, 151829.	3.9	13
89	Pollen calendar to depict seasonal periodicities of airborne pollen species in a city situated in Indo-Gangetic plain, India. Atmospheric Environment, 2021, 262, 118649.	1.9	11
90	Dynamics of multi-stakeholder engagement and its role in achieving high compliance of a tobacco control programme. World Development Perspectives, 2016, 3, 7-11.	0.8	9

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91	Rapid monitoring and evaluation of a community-led total sanitation program using smartphones. Environmental Science and Pollution Research, 2018, 25, 31929-31934.	2.7	9
92	Pollen allergy: Developing multi-sectorial strategies for its prevention and control in lower and middle-income countries. International Journal of Hygiene and Environmental Health, 2022, 242, 113951.	2.1	9
93	COVID-19 and increasing demand for medical oxygen: can impurity be a problem?. Environmental Science and Pollution Research, 2021, 28, 66519-66521.	2.7	7
94	Carbon Emissions from Virtual and Physical Modes of Conference and Prospects for Carbon Neutrality: An Analysis From India. Air, Soil and Water Research, 2022, 15, 117862212210932.	1.2	7
95	Long term assessment of firework emissions and air quality during Diwali festival and impact of 2020 fireworks ban on air quality over the states of Indo Gangetic Plains airshed in India. Atmospheric Environment, 2022, 285, 119223.	1.9	7
96	Appraisal of microbial contamination of dental unit water systems and practices of general dental practitioners for risk reduction. Environmental Science and Pollution Research, 2018, 25, 33566-33572.	2.7	6
97	Growth behavior studies of bread wheat plant exposed to municipal landfill leachate. Journal of Environmental Biology, 2013, 34, 1083-7.	0.2	6
98	Occupational exposure to airborne pollen and associated health risks among gardeners: a perception-based survey. Environmental Science and Pollution Research, 2022, 29, 70084-70098.	2.7	6
99	Poster 34 Spatial and temporal variations in particulate Polycyclic Aromatic Hydrocarbon (PAH) levels over Menen (Belgium) and their relation with air mass trajectories. Developments in Environmental Science, 2007, 6, 838-841.	0.5	5
100	Source apportionment and seasonal variation in particulate PAHs levels at a coastal site in Belgium. Environmental Science and Pollution Research, 2020, 27, 14933-14943.	2.7	5
101	Air Pollution in Rural Households Due to Solid Biomass Fuel Use and Its Health Impacts. Lecture Notes in Civil Engineering, 2020, , 27-33.	0.3	5
102	Preventable mortality attributable to exposure to air pollution at the rural district of Punjab, India. Environmental Science and Pollution Research, 2022, 29, 32271-32278.	2.7	5
103	Assessment of on-site sanitation practices and contamination of groundwater in rural areas of Fatehgarh Sahib, Punjab, India. Environment, Development and Sustainability, 2021, 23, 4594-4613.	2.7	4
104	Environmental exposure to urinary Bisphenol-A in North Indian children aged between 6 and 16 years and its association with body mass index. Environmental Science and Pollution Research, 2021, 28, 29085-29095.	2.7	4
105	Diurnal Variations in the Air Pollutants Concentration over Haryana, India, and Understanding their Emission Sources. Water, Air, and Soil Pollution, 2022, 233, .	1.1	3
106	Public perception about community reverse osmosis-treated water, its acceptability, and barriers in choice of safe drinking water. Environment, Development and Sustainability, 2020, 22, 5819-5831.	2.7	1
107	PM2.5 mediated alterations in the in vitro human granuloma and its effect on reactivation of mycobacteria. Environmental Science and Pollution Research, 2021, , 1.	2.7	1
108	Evaluation of groundwater for drinking and irrigation applications concerning physicochemical and ionic parameters through multiple indexing approach: a case study around the industrial zone, Punjab, India. Environmental Geochemistry and Health, 0, , .	1.8	1

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109	Determination of Atmospheric Volatile and Semi-volatile Compounds. , 2011, , 177-205.		0