

Khaiwal Ravindra

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.

102
papers

5,293
citations

38
h-index

71
g-index

110
ext. papers

6,337
ext. citations

6.6
avg, IF

6.51
L-index

#	Paper	IF	Citations
102	Platinum group elements in the environment and their health risk. <i>Science of the Total Environment</i> , 2004 , 318, 1-43	10.2	517
101	Leachate characterization and assessment of groundwater pollution near municipal solid waste landfill site. <i>Environmental Monitoring and Assessment</i> , 2006 , 118, 435-56	3.1	392
100	Seasonal and site-specific variation in vapour and aerosol phase PAHs over Flanders (Belgium) and their relation with anthropogenic activities. <i>Atmospheric Environment</i> , 2006 , 40, 771-785	5.3	354
99	Adsorption of chromium from aqueous solution by activated alumina and activated charcoal. <i>Bioresource Technology</i> , 2007 , 98, 954-7	11	220
98	Municipal solid waste characterization and its assessment for potential methane generation: a case study. <i>Science of the Total Environment</i> , 2006 , 371, 1-10	10.2	189
97	Air pollution trends over Indian megacities and their local-to-global implications. <i>Atmospheric Environment</i> , 2016 , 142, 475-495	5.3	188
96	Methods for the determination of platinum group elements originating from the abrasion of automotive catalytic converters. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003 , 58, 1723-1755	3.1	155
95	Variation in particulate PAHs levels and their relation with the transboundary movement of the air masses. <i>Science of the Total Environment</i> , 2008 , 396, 100-10	10.2	140
94	Source apportionment of traffic emissions of particulate matter using tunnel measurements. <i>Atmospheric Environment</i> , 2013 , 77, 548-557	5.3	139
93	Assessment of air quality after the implementation of compressed natural gas (CNG) as fuel in public transport in Delhi, India. <i>Environmental Monitoring and Assessment</i> , 2006 , 115, 405-17	3.1	131
92	Application of agro-waste rice husk ash for the removal of phosphate from the wastewater. <i>Journal of Cleaner Production</i> , 2016 , 129, 673-680	10.3	129
91	Short-term variation in air quality associated with firework events: a case study. <i>Journal of Environmental Monitoring</i> , 2003 , 5, 260-4		123
90	Generalized additive models: Building evidence of air pollution, climate change and human health. <i>Environment International</i> , 2019 , 132, 104987	12.9	118
89	Emissions of air pollutants from primary crop residue burning in India and their mitigation strategies for cleaner emissions. <i>Journal of Cleaner Production</i> , 2019 , 208, 261-273	10.3	117
88	Distribution and health risk assessment of arsenic and selected heavy metals in Groundwater of Chandigarh, India. <i>Environmental Pollution</i> , 2019 , 250, 820-830	9.3	106
87	Diurnal and temporal changes in air pollution during COVID-19 strict lockdown over different regions of India. <i>Environmental Pollution</i> , 2020 , 266, 115368	9.3	98
86	Household air pollution from various types of rural kitchens and its exposure assessment. <i>Science of the Total Environment</i> , 2017 , 586, 419-429	10.2	76

85	Induction of enhanced methane oxidation in compost: temperature and moisture response. <i>Waste Management</i> , 2006 , 26, 381-8	8.6	74
84	Nanosilica extraction from processed agricultural residue using green technology. <i>Journal of Cleaner Production</i> , 2017 , 143, 1284-1290	10.3	73
83	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. <i>Science of the Total Environment</i> , 2019 , 690, 717-729	10.2	71
82	System analysis of municipal solid waste management in Chandigarh and minimization practices for cleaner emissions. <i>Journal of Cleaner Production</i> , 2015 , 89, 251-256	10.3	69
81	Seasonal variations in physico-chemical characteristics of River Yamuna in Haryana and its ecological best-designated use. <i>Journal of Environmental Monitoring</i> , 2003 , 5, 419-26		66
80	Quantification of vehicle fleet PM10 particulate matter emission factors from exhaust and non-exhaust sources using tunnel measurement techniques. <i>Environmental Pollution</i> , 2016 , 210, 419-28	9.3	65
79	Activity pattern and personal exposure to nitrogen dioxide in indoor and outdoor microenvironments. <i>Environment International</i> , 2010 , 36, 36-45	12.9	63
78	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. <i>Journal of Cleaner Production</i> , 2019 , 213, 1024-1034	10.3	63
77	Fast chromatographic determination of polycyclic aromatic hydrocarbons in aerosol samples from sugar cane burning. <i>Journal of Chromatography A</i> , 2004 , 1027, 49-53	4.5	60
76	Hydro-chemical survey of groundwater of Hisar city and assessment of defluoridation methods used in India. <i>Environmental Monitoring and Assessment</i> , 2007 , 132, 33-43	3.1	55
75	E-waste generation and management practices in Chandigarh, India and economic evaluation for sustainable recycling. <i>Journal of Cleaner Production</i> , 2019 , 221, 286-294	10.3	53
74	Assessment of ambient air quality in urban centres of Haryana (India) in relation to different anthropogenic activities and health risks. <i>Environmental Monitoring and Assessment</i> , 2006 , 122, 27-40	3.1	50
73	Removal of chemical oxygen demand from landfill leachate using cow-dung ash as a low-cost adsorbent. <i>Journal of Colloid and Interface Science</i> , 2016 , 469, 338-343	9.3	46
72	COVID-19 lockdown and its impact on tropospheric NO concentrations over India using satellite-based data. <i>Heliyon</i> , 2020 , 6, e04764	3.6	45
71	High resolution vehicular PM10 emissions over megacity Delhi: Relative contributions of exhaust and non-exhaust sources. <i>Science of the Total Environment</i> , 2020 , 699, 134273	10.2	45
70	Distribution of fluoride in groundwater and its suitability assessment for drinking purpose. <i>International Journal of Environmental Health Research</i> , 2006 , 16, 163-6	3.6	44
69	Higher body mass index is an important risk factor in COVID-19 patients: a systematic review and meta-analysis. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 42115-42123	5.1	44
68	Impact of COVID-19 lockdown on air quality in Chandigarh, India: Understanding the emission sources during controlled anthropogenic activities. <i>Chemosphere</i> , 2021 , 263, 127978	8.4	40

67	Mass and ionic composition of atmospheric fine particles over Belgium and their relation with gaseous air pollutants. <i>Journal of Environmental Monitoring</i> , 2008 , 10, 1148-57		39
66	Variation in spatial pattern of criteria air pollutants before and during initial rain of monsoon. <i>Environmental Monitoring and Assessment</i> , 2003 , 87, 145-53	3.1	39
65	Chemical characterization and multivariate analysis of atmospheric PM _{2.5} particles. <i>Journal of Atmospheric Chemistry</i> , 2008 , 59, 199-218	3.2	38
64	Fast analysis of decabrominated diphenyl ether using low-pressure gas chromatography-electron-capture negative ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1186, 295-301	4.5	38
63	Trends of atmospheric black carbon concentration over the United Kingdom. <i>Atmospheric Environment</i> , 2018 , 178, 148-157	5.3	37
62	A high-resolution emission inventory of air pollutants from primary crop residue burning over Northern India based on VIIRS thermal anomalies. <i>Environmental Pollution</i> , 2020 , 266, 115132	9.3	36
61	Emission of black carbon from rural households kitchens and assessment of lifetime excess cancer risk in villages of North India. <i>Environment International</i> , 2019 , 122, 201-212	12.9	35
60	Air Pollution in India: Bridging the Gap between Science and Policy. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2016 , 20,	2.3	34
59	Evaluation of groundwater contamination in Chandigarh: Source identification and health risk assessment. <i>Environmental Pollution</i> , 2019 , 255, 113062	9.3	30
58	Effective smoke-free policies in achieving a high level of compliance with smoke-free law: experiences from a district of North India. <i>Tobacco Control</i> , 2014 , 23, 291-4	5.3	30
57	Low-pressure gas chromatography: Recent trends and developments. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 291-303	14.6	30
56	Impact of landfill leachate on the groundwater quality in three cities of North India and health risk assessment. <i>Environment, Development and Sustainability</i> , 2020 , 22, 1455-1474	4.5	30
55	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. <i>Environment International</i> , 2021 , 157, 106818	12.9	30
54	Appraisal of salinity and fluoride in a semi-arid region of India using statistical and multivariate techniques. <i>Environmental Geochemistry and Health</i> , 2009 , 31, 643-55	4.7	28
53	Appraisal of thermal comfort in rural household kitchens of Punjab, India and adaptation strategies for better health. <i>Environment International</i> , 2019 , 124, 431-440	12.9	27
52	Impact of COVID-19 lockdown on ambient air quality in megacities of India and implication for air pollution control strategies. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 21621-21632	5.1	27
51	Assessment of noise pollution in and around a sensitive zone in North India and its non-auditory impacts. <i>Science of the Total Environment</i> , 2016 , 566-567, 981-987	10.2	26
50	Assessment of hydrothermally modified fly ash for the treatment of methylene blue dye in the textile industry wastewater. <i>Environment, Development and Sustainability</i> , 2018 , 20, 625-639	4.5	24

49	Occupational exposure to the municipal solid waste workers in Chandigarh, India. <i>Waste Management and Research</i> , 2016 , 34, 1192-1195	4	24
48	Low-pressure gas chromatography-ion trap mass spectrometry for the fast determination of polycyclic aromatic hydrocarbons in air samples. <i>Journal of Chromatography A</i> , 2006 , 1114, 278-81	4.5	24
47	Utilization of nano-alumina and activated charcoal for phosphate removal from wastewater. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2017 , 7, 15-23	3.3	23
46	COVID-19 lockdown-induced changes in NO ₂ levels across India observed by multi-satellite and surface observations. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 5235-5251	6.8	23
45	Emission factors and global warming potential of various solid biomass fuel-cook stove combinations. <i>Atmospheric Pollution Research</i> , 2020 , 11, 252-260	4.5	23
44	Air pollution trend in Chandigarh city situated in Indo-Gangetic Plains: Understanding seasonality and impact of mitigation strategies. <i>Science of the Total Environment</i> , 2020 , 729, 138717	10.2	22
43	Appraisal of measurement methods, chemical composition and sources of fine atmospheric particles over six different areas of Northern Belgium. <i>Environmental Pollution</i> , 2010 , 158, 3421-30	9.3	21
42	Assessment of groundwater pollution by landfills in India using leachate pollution index and estimation of error. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018 , 10, 467-476	3.3	20
41	Impact of the COVID-19 pandemic on clean fuel programmes in India and ensuring sustainability for household energy needs. <i>Environment International</i> , 2021 , 147, 106335	12.9	19
40	Respiratory Health Status of Rural Women Exposed to Liquefied Petroleum Gas and Solid Biomass Fuel Emissions. <i>Air, Soil and Water Research</i> , 2019 , 12, 117862211987431	3.3	18
39	Application of sol-gel technique for preparation of nanosilica from coal powered thermal power plant fly ash. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 83, 574-581	2.3	18
38	Water uses, treatment, and sanitation practices in rural areas of Chandigarh and its relation with waterborne diseases. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 19512-19522	5.1	17
37	Climatological trends in satellite-derived aerosol optical depth over North India and its relationship with crop residue burning: Rural-urban contrast. <i>Science of the Total Environment</i> , 2020 , 748, 140963	10.2	17
36	Cost evaluation of different household fuels and identification of the barriers for the choice of clean cooking fuels in India. <i>Sustainable Cities and Society</i> , 2020 , 52, 101825	10.1	17
35	Does airborne pollen influence COVID-19 outbreak?. <i>Sustainable Cities and Society</i> , 2021 , 70, 102887	10.1	15
34	Risk factors and prevalence of dental fluorosis and dental caries in school children of North India. <i>Environmental Monitoring and Assessment</i> , 2017 , 189, 40	3.1	14
33	Heavy metal content in various types of candies and their daily dietary intake by children. <i>Environmental Monitoring and Assessment</i> , 2016 , 188, 86	3.1	12
32	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	5.1	11

31	Appraisal of regional haze event and its relationship with PM concentration, crop residue burning and meteorology in Chandigarh, India. <i>Chemosphere</i> , 2021 , 273, 128562	8.4	11
30	Evaluation of biomedical waste management practices in public and private sector of health care facilities in India. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 26082-26089	5.1	10
29	Exposure to household air pollution during first 3 years of life and IQ level among 6-8-year-old children in India - A cross-sectional study. <i>Science of the Total Environment</i> , 2020 , 709, 135110	10.2	10
28	Potential of agro-waste sugarcane bagasse ash for the removal of ammoniacal nitrogen from landfill leachate. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 24516-24531	5.1	8
27	Transition to clean household energy through an application of integrated model: Ensuring sustainability for better health, climate and environment. <i>Science of the Total Environment</i> , 2021 , 775, 145657	10.2	7
26	Exposure to air pollutants and risk of congenital anomalies: A systematic review and metaanalysis. <i>Science of the Total Environment</i> , 2021 , 765, 142772	10.2	7
25	Detection and identification of dust mite allergens in the air conditioning filters in Chandigarh, India. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 24262-24271	5.1	6
24	Influence of meteorological parameters and air pollutants on the airborne pollen of city Chandigarh, India. <i>Science of the Total Environment</i> , 2021 , 151829	10.2	6
23	COVID-19 pandemic: What can we learn for better air quality and human health?. <i>Journal of Infection and Public Health</i> , 2021 , 15, 187-198	7.4	6
22	Dynamics of multi-stakeholder engagement and its role in achieving high compliance of a tobacco control programme. <i>World Development Perspectives</i> , 2016 , 3, 7-11	1.7	6
21	Growth behavior studies of bread wheat plant exposed to municipal landfill leachate. <i>Journal of Environmental Biology</i> , 2013 , 34, 1083-7	1.6	6
20	Five probable factors responsible for the COVID-associated mucormycosis outbreak in India. <i>International Journal of Infectious Diseases</i> , 2021 , 112, 278-280	10.5	5
19	Influence of agricultural activities on atmospheric pollution during post-monsoon harvesting seasons at a rural location of Indo-Gangetic Plain. <i>Science of the Total Environment</i> , 2021 , 796, 148903	10.2	5
18	Assessment of thermal comfort parameters in various car models and mitigation strategies for extreme heat-health risks in the tropical climate. <i>Journal of Environmental Management</i> , 2020 , 267, 110653	7.9	4
17	Poster 34 Spatial and temporal variations in particulate Polycyclic Aromatic Hydrocarbon (PAH) levels over Menen (Belgium) and their relation with air mass trajectories. <i>Developments in Environmental Science</i> , 2007 , 6, 838-841		4
16	Seasonal variations in carbonaceous species of PM aerosols at an urban location situated in Indo-Gangetic Plain and its relationship with transport pathways, including the potential sources. <i>Journal of Environmental Management</i> , 2021 , 114049	7.9	3
15	COVID-19 pandemic and sudden rise in crop residue burning in India: issues and prospects for sustainable crop residue management. <i>Environmental Science and Pollution Research</i> , 2021 , 29, 3155	5.1	3
14	Air Pollution in Rural Households Due to Solid Biomass Fuel Use and Its Health Impacts. <i>Lecture Notes in Civil Engineering</i> , 2020 , 27-33	0.3	3

13	Understanding seasonal variation in ambient air quality and its relationship with crop residue burning activities in an agrarian state of India. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	3
12	Pollen calendar to depict seasonal periodicities of airborne pollen species in a city situated in Indo-Gangetic plain, India. <i>Atmospheric Environment</i> , 2021 , 262, 118649	5.3	3
11	Source apportionment and seasonal variation in particulate PAHs levels at a coastal site in Belgium. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 14933-14943	5.1	2
10	Appraisal of microbial contamination of dental unit water systems and practices of general dental practitioners for risk reduction. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 33566-33572	5.1	2
9	Pollen allergy: Developing multi-sectorial strategies for its prevention and control in lower and middle-income countries.. <i>International Journal of Hygiene and Environmental Health</i> , 2022 , 242, 113951	6.9	2
8	Public perception about community reverse osmosis-treated water, its acceptability, and barriers in choice of safe drinking water. <i>Environment, Development and Sustainability</i> , 2020 , 22, 5819-5831	4.5	1
7	Assessment of on-site sanitation practices and contamination of groundwater in rural areas of Fatehgarh Sahib, Punjab, India. <i>Environment, Development and Sustainability</i> , 2021 , 23, 4594-4613	4.5	1
6	Preventable mortality attributable to exposure to air pollution at the rural district of Punjab, India.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
5	Carbon Emissions from Virtual and Physical Modes of Conference and Prospects for Carbon Neutrality: An Analysis From India. <i>Air, Soil and Water Research</i> , 2022 , 15, 117862212210932	3.3	1
4	Environmental exposure to urinary Bisphenol-A in North Indian children aged between 6 and 16 years and its association with body mass index. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 29085-29095	5.1	0
3	Distribution of heavy metals in surface soil near a coal power production unit: potential risk to ecology and human health.. <i>Environmental Monitoring and Assessment</i> , 2022 , 194, 263	3.1	0
2	PM mediated alterations in the in vitro human granuloma and its effect on reactivation of mycobacteria. <i>Environmental Science and Pollution Research</i> , 2021 , 1	5.1	
1	Determination of Atmospheric Volatile and Semi-volatile Compounds 2011 , 177-205		