Kirpa Ram

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7730271/publications.pdf

Version: 2024-02-01

64 papers	3,297 citations	136885 32 h-index	149623 56 g-index
72 all docs	72 docs citations	72 times ranked	2783 citing authors

#	Article	IF	Citations
1	Spatio-temporal variability in atmospheric abundances of EC, OC and WSOC over Northern India. Journal of Aerosol Science, 2010, 41, 88-98.	1.8	255
2	Dayâ€“night variability of EC, OC, WSOC and inorganic ions in urban environment of Indo-Gangetic Plain: Implications to secondary aerosol formation. Atmospheric Environment, 2011, 45, 460-468.	1.9	210
3	Atmospheric abundances of primary and secondary carbonaceous species at two high-altitude sites in India: Sources and temporal variability. Atmospheric Environment, 2008, 42, 6785-6796.	1.9	200
4	A 1 year record of carbonaceous aerosols from an urban site in the Indoâ€Gangetic Plain: Characterization, sources, and temporal variability. Journal of Geophysical Research, 2010, 115, .	3.3	199
5	Temporal Trends in Atmospheric PM_{2.5}, PM₁₀, Elemental Carbon, Organic Carbon, Water-Soluble Organic Carbon, and Optical Properties: Impact of Biomass Burning Emissions in The Indo-Gangetic Plain. Environmental Science & Technology, 2012, 46, 686-695.	4.6	188
6	Long-term record of aerosol optical properties and chemical composition from a high-altitude site (Manora Peak) in Central Himalaya. Atmospheric Chemistry and Physics, 2010, 10, 11791-11803.	1.9	172
7	Levoglucosan as a tracer of biomass burning: Recent progress and perspectives. Atmospheric Research, 2019, 220, 20-33.	1.8	144
8	Absorption Coefficient and Site-Specific Mass Absorption Efficiency of Elemental Carbon in Aerosols over Urban, Rural, and High-Altitude Sites in India. Environmental Science & Technology, 2009, 43, 8233-8239.	4.6	132
9	Carbonaceous and Secondary Inorganic Aerosols during Wintertime Fog and Haze over Urban Sites in the Indo-Gangetic Plain. Aerosol and Air Quality Research, 2012, 12, 359-370.	0.9	125
10	Water-Soluble Brown Carbon in Atmospheric Aerosols from Godavari (Nepal), a Regional Representative of South Asia. Environmental Science & Technology, 2019, 53, 3471-3479.	4.6	115
11	What caused severe air pollution episode of November 2016 in New Delhi?. Atmospheric Environment, 2020, 222, 117125.	1.9	96
12	Humic-Like Substances (HULIS) in Aerosols of Central Tibetan Plateau (Nam Co, 4730 m asl): Abundance, Light Absorption Properties, and Sources. Environmental Science & Technology, 2018, 52, 7203-7211.	4.6	78
13	Black carbon aerosols over Manora Peak in the Indian Himalayan foothills: implications for climate forcing. Environmental Research Letters, 2012, 7, 014002.	2.2	69
14	Aerosol chemical characterization and role of carbonaceous aerosol on radiative effect over Varanasi in central Indo-Gangetic Plain. Atmospheric Environment, 2016, 125, 437-449.	1.9	59
15	The severe Delhi SMOG of 2016: A case of delayed crop residue burning, coincident firecracker emissions, and atypical meteorology. Atmospheric Pollution Research, 2019, 10, 868-879.	1.8	59
16	Inter-comparison of thermal and optical methods for determination of atmospheric black carbon and attenuation coefficient from an urban location in northern India. Atmospheric Research, 2010, 97, 335-342.	1.8	51
17	Characterization of carbonaceous aerosols over Delhi in Ganga basin: seasonal variability and possible sources. Environmental Science and Pollution Research, 2014, 21, 8610-8619.	2.7	50
18	Exploring the relationship between surface PM_{2.5} and meteorology in Northern India. Atmospheric Chemistry and Physics, 2018, 18, 10157-10175.	1.9	50

#	Article	IF	Citations
19	Atmospheric carbonaceous aerosols from Indo-Gangetic Plain and Central Himalaya: Impact of anthropogenic sources. Journal of Environmental Management, 2015, 148, 153-163.	3.8	49
20	Fluorescence characteristics of water-soluble organic carbon in atmospheric aerosolâˆ†. Environmental Pollution, 2021, 268, 115906.	3.7	49
21	A global 3-D CTM evaluation of black carbon in the Tibetan Plateau. Atmospheric Chemistry and Physics, 2014, 14, 7091-7112.	1.9	48
22	Variability in aerosol optical properties over an urban site, Kanpur, in the Indo-Gangetic Plain: A case study of haze and dust events. Atmospheric Research, 2016, 174-175, 52-61.	1.8	47
23	Chemical characterization of rainwater at a high-altitude site â€œNainitalâ€•in the central Himalayas, India. Environmental Science and Pollution Research, 2017, 24, 3959-3969.	2.7	45
24	Light absorption, fluorescence properties and sources of brown carbon aerosols in the Southeast Tibetan Plateau. Environmental Pollution, 2020, 257, 113616.	3.7	45
25	Carbon isotopeâ€constrained seasonality of carbonaceous aerosol sources from an urban location (Kanpur) in the Indoâ€Gangetic Plain. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4903-4923.	1.2	42
26	Why airborne transmission hasn't been conclusive in case of COVID-19? An atmospheric science perspective. Science of the Total Environment, 2021, 773, 145525.	3.9	42
27	Historical Black Carbon Reconstruction from the Lake Sediments of the Himalayanâ€“Tibetan Plateau. Environmental Science & Technology, 2019, 53, 5641-5651.	4.6	39
28	Temporal variability in aerosol characteristics and its radiative properties over Patiala, northwestern part of India: Impact of agricultural biomass burning emissions. Environmental Pollution, 2017, 231, 1030-1041.	3.7	38
29	Graphene oxide modified cobalt metallated porphyrin photocatalyst for conversion of formic acid from carbon dioxide. Journal of CO2 Utilization, 2018, 27, 107-114.	3.3	37
30	Aerosol Properties Over Tibetan Plateau From a Decade of AERONET Measurements: Baseline, Types, and Influencing Factors. Journal of Geophysical Research D: Atmospheres, 2019, 124, 13357-13374.	1.2	37
31	Aerosol optical properties and radiative effects over Manora Peak in the Himalayan foothills: seasonal variability and role of transported aerosols. Science of the Total Environment, 2015, 502, 287-295.	3.9	36
32	Light absorption properties of elemental carbon (EC) and water-soluble brown carbon (WSâ€“BrC) in the Kathmandu Valley, Nepal: A 5-year study. Environmental Pollution, 2020, 261, 114239.	3.7	35
33	Primary and secondary aerosols from an urban site (Kanpur) in the Indo-Gangetic Plain: Impact on CCN, CN concentrations and optical properties. Atmospheric Environment, 2014, 89, 655-663.	1.9	33
34	Comparison of Experimental and Modeled Absorption Enhancement by Black Carbon (BC) Cored Polydisperse Aerosols under Hygroscopic Conditions. Environmental Science & Technology, 2012, 46, 8082-8089.	4.6	32
35	Aromatic acids as biomass-burning tracers in atmospheric aerosols and ice cores: A review. Environmental Pollution, 2019, 247, 216-228.	3.7	32
36	Garbage Burning in South Asia: How Important Is It to Regional Air Quality?. Environmental Science & Technology, 2020, 54, 9928-9938.	4.6	30

#	Article	IF	Citations
37	Nitrogen Speciation and Isotopic Composition of Aerosols Collected at Himalayan Forest (3326 m) Tj ETQq1 1 0.784314 rgBT /Overlock 12247-12256.	4.6	27
38	Dual carbon isotope characterization of total organic carbon in wintertime carbonaceous aerosols from northern India. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4797-4809.	1.2	26
39	Reduction of black carbon aerosols in Tokyo: Comparison of real-time observations with emission estimates. Atmospheric Environment, 2012, 54, 242-249.	1.9	23
40	Accumulation of Atmospheric Mercury in Glacier Cryoconite over Western China. Environmental Science & Technology, 2019, 53, 6632-6639.	4.6	23
41	Variations in carbonaceous species at a high-altitude site in western India: Role of synoptic scale transport. Atmospheric Environment, 2016, 125, 371-382.	1.9	21
42	Decoupling Natural and Anthropogenic Mercury and Lead Transport from South Asia to the Himalayas. Environmental Science & Technology, 2020, 54, 5429-5436.	4.6	19
43	Atmospheric ²¹⁰Pb, ²¹⁰Po and ²¹⁰Po/²¹⁰Pb activity ratio in urban aerosols: temporal variability and impact of biomass burning emission. Tellus, Series B: Chemical and Physical Meteorology, 2022, 64, 17513.	0.8	16
44	Relationship of arsenic accumulation with irrigation practices and crop type in agriculture soils of Bengal Delta, India. Applied Water Science, 2019, 9, 1.	2.8	16
45	Impact of anthropogenic and geological factors on groundwater hydrochemistry in the unconfined aquifers of Indo-Gangetic plain. Physics and Chemistry of the Earth, 2022, 126, 103109.	1.2	16
46	Desert dust as a significant carrier of atmospheric mercury. Environmental Pollution, 2020, 267, 115442.	3.7	15
47	Estimation of reactive inorganic iodine fluxes in the Indian and Southern Ocean marine boundary layer. Atmospheric Chemistry and Physics, 2020, 20, 12093-12114.	1.9	14
48	Seasonal variations of black carbon observed at the remote mountain site Happo in Japan. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3709-3722.	1.2	12
49	Impact of local and regional emission sources on air quality in foothills of the Himalaya during spring 2016: An observation, satellite and modeling perspective. Atmospheric Environment, 2019, 216, 116897.	1.9	12
50	Study on Mercury in PM10 at an Urban Site in the Central Indo-Gangetic Plain: Seasonal Variability and Influencing Factors. Aerosol and Air Quality Research, 2020, 20, 2729-2740.	0.9	12
51	Atmospheric wet deposition of major ionic constituents and inorganic nitrogen in Bangladesh: Implications for spatiotemporal variation and source apportionment. Atmospheric Research, 2021, 250, 105414.	1.8	11
52	Chemical Composition and Source Apportionment of Total Suspended Particulate in the Central Himalayan Region. Atmosphere, 2021, 12, 1228.	1.0	11
53	Geochemistry of PM2.5 aerosols at an urban site, Varanasi, in the Eastern Indo-Gangetic Plain during pre-monsoon season. Atmospheric Research, 2020, 234, 104734.	1.8	10
54	Microbial mercury methylation in the cryosphere: Progress and prospects. Science of the Total Environment, 2019, 697, 134150.	3.9	7

#	Article	IF	Citations
55	Modelling the impacts of iodine chemistry on the northern Indian Ocean marine boundary layer. Atmospheric Chemistry and Physics, 2021, 21, 8437-8454.	1.9	7
56	Integrating magnetic susceptibility, hydrogeochemical, and isotopic data to assess the seawater invasion in coastal aquifers of Digha, West Bengal, India. Environmental Science and Pollution Research, 2022, 29, 23474-23503.	2.7	6
57	Nitrogenous and carbonaceous aerosols in PM2.5 and TSP during pre-monsoon: Characteristics and sources in the highly polluted mountain valley. Journal of Environmental Sciences, 2022, 115, 10-24.	3.2	5
58	Elevated Barium concentrations in rain water from east-coast of India: role of regional lithology. Journal of Atmospheric Chemistry, 2019, 76, 59-72.	1.4	4
59	Investigation of the Uncertainties of Simulated Optical Properties of Brown Carbon at Two Asian Sites Using a Modified Bulk Aerosol Optical Scheme of the Community Atmospheric Model Version 5.3. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033942.	1.2	3
60	Chemical components and distributions of aerosols in the Third Pole. , 2020, , 43-67.		2
61	Anthropogenic and natural drivers of seesaw-like spatial patterns in precipitation mercury over western China. Environmental Pollution, 2022, 307, 119525.	3.7	2
62	Mathematical Assessment of the Effects of Substituting the Band Radiative Transfer Equation (RTE) for the Spectral RTE in the Applications of Earthâ€™s Surface Temperature Retrievals from Spaceborne Infrared Imageries. Remote Sensing, 2019, 11, 226.	1.8	1
63	Role of carbonaceous aerosols in Asian pollution. , 2022, , 111-127.		1
64	Paper-based microfluidic sensor devices for inorganic pollutants monitoring in water. , 2020, , 399-413.		0