

Kirpa Ram

List of Publications by Year in descending order

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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 | Atmospheric Pb , Po and Po/Pb activity ratio in urban aerosols: temporal variability and impact of biomass burning emission. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 64, 17513. | 0.8 | 16 |
| 2 | Nitrogenous and carbonaceous aerosols in PM _{2.5} and TSP during pre-monsoon: Characteristics and sources in the highly polluted mountain valley. <i>Journal of Environmental Sciences</i> , 2022, 115, 10-24. | 3.2 | 5 |
| 3 | Role of carbonaceous aerosols in Asian pollution. , 2022, , 111-127. | | 1 |
| 4 | Integrating magnetic susceptibility, hydrogeochemical, and isotopic data to assess the seawater invasion in coastal aquifers of Digha, West Bengal, India. <i>Environmental Science and Pollution Research</i> , 2022, 29, 23474-23503. | 2.7 | 6 |
| 5 | Impact of anthropogenic and geological factors on groundwater hydrochemistry in the unconfined aquifers of Indo-Gangetic plain. <i>Physics and Chemistry of the Earth</i> , 2022, 126, 103109. | 1.2 | 16 |
| 6 | Anthropogenic and natural drivers of seesaw-like spatial patterns in precipitation mercury over western China. <i>Environmental Pollution</i> , 2022, 307, 119525. | 3.7 | 2 |
| 7 | Fluorescence characteristics of water-soluble organic carbon in atmospheric aerosol†. <i>Environmental Pollution</i> , 2021, 268, 115906. | 3.7 | 49 |
| 8 | Atmospheric wet deposition of major ionic constituents and inorganic nitrogen in Bangladesh: Implications for spatiotemporal variation and source apportionment. <i>Atmospheric Research</i> , 2021, 250, 105414. | 1.8 | 11 |
| 9 | Modelling the impacts of iodine chemistry on the northern Indian Ocean marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8437-8454. | 1.9 | 7 |
| 10 | Why airborne transmission hasn't been conclusive in case of COVID-19? An atmospheric science perspective. <i>Science of the Total Environment</i> , 2021, 773, 145525. | 3.9 | 42 |
| 11 | 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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033942. | 1.2 | 3 |
| 12 | Chemical Composition and Source Apportionment of Total Suspended Particulate in the Central Himalayan Region. <i>Atmosphere</i> , 2021, 12, 1228. | 1.0 | 11 |
| 13 | Light absorption, fluorescence properties and sources of brown carbon aerosols in the Southeast Tibetan Plateau. <i>Environmental Pollution</i> , 2020, 257, 113616. | 3.7 | 45 |
| 14 | What caused severe air pollution episode of November 2016 in New Delhi?. <i>Atmospheric Environment</i> , 2020, 222, 117125. | 1.9 | 96 |
| 15 | Geochemistry of PM _{2.5} aerosols at an urban site, Varanasi, in the Eastern Indo-Gangetic Plain during pre-monsoon season. <i>Atmospheric Research</i> , 2020, 234, 104734. | 1.8 | 10 |
| 16 | Chemical components and distributions of aerosols in the Third Pole. , 2020, , 43-67. | | 2 |
| 17 | Garbage Burning in South Asia: How Important Is It to Regional Air Quality?. <i>Environmental Science & Technology</i> , 2020, 54, 9928-9938. | 4.6 | 30 |
| 18 | Light absorption properties of elemental carbon (EC) and water-soluble brown carbon (WSBrC) in the Kathmandu Valley, Nepal: A 5-year study. <i>Environmental Pollution</i> , 2020, 261, 114239. | 3.7 | 35 |

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|----|---|-----|-----------|
| 19 | Paper-based microfluidic sensor devices for inorganic pollutants monitoring in water. , 2020, , 399-413. | | 0 |
| 20 | Decoupling Natural and Anthropogenic Mercury and Lead Transport from South Asia to the Himalayas. Environmental Science & Technology, 2020, 54, 5429-5436. | 4.6 | 19 |
| 21 | Desert dust as a significant carrier of atmospheric mercury. Environmental Pollution, 2020, 267, 115442. | 3.7 | 15 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Nitrogen Speciation and Isotopic Composition of Aerosols Collected at Himalayan Forest (3326 m) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 12247-12256. | 4.6 | 27 |
| 27 | Microbial mercury methylation in the cryosphere: Progress and prospects. Science of the Total Environment, 2019, 697, 134150. | 3.9 | 7 |
| 28 | Mathematical Assessment of the Effects of Substituting the Band Radiative Transfer Equation (RTE) for the Spectral RTE in the Applications of Earth's Surface Temperature Retrievals from Spaceborne Infrared Imageries. Remote Sensing, 2019, 11, 226. | 1.8 | 1 |
| 29 | Accumulation of Atmospheric Mercury in Glacier Cryoconite over Western China. Environmental Science & Technology, 2019, 53, 6632-6639. | 4.6 | 23 |
| 30 | Historical Black Carbon Reconstruction from the Lake Sediments of the Himalayan-Tibetan Plateau. Environmental Science & Technology, 2019, 53, 5641-5651. | 4.6 | 39 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | Levoglucosan as a tracer of biomass burning: Recent progress and perspectives. Atmospheric Research, 2019, 220, 20-33. | 1.8 | 144 |
| 36 | Aromatic acids as biomass-burning tracers in atmospheric aerosols and ice cores: A review. Environmental Pollution, 2019, 247, 216-228. | 3.7 | 32 |

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|----|---|-----|-----------|
| 37 | Exploring the relationship between surface PM _{2.5} and meteorology in Northern India. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10157-10175. | 1.9 | 50 |
| 38 | Graphene oxide modified cobalt metallated porphyrin photocatalyst for conversion of formic acid from carbon dioxide. <i>Journal of CO2 Utilization</i> , 2018, 27, 107-114. | 3.3 | 37 |
| 39 | Humic-Like Substances (HULIS) in Aerosols of Central Tibetan Plateau (Nam Co, 4730 m asl): Abundance, Light Absorption Properties, and Sources. <i>Environmental Science & Technology</i> , 2018, 52, 7203-7211. | 4.6 | 78 |
| 40 | Carbon isotope-constrained seasonality of carbonaceous aerosol sources from an urban location (Kanpur) in the Indo-Gangetic Plain. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 4903-4923. | 1.2 | 42 |
| 41 | Chemical characterization of rainwater at a high-altitude site in the central Himalayas, India. <i>Environmental Science and Pollution Research</i> , 2017, 24, 3959-3969. | 2.7 | 45 |
| 42 | Temporal variability in aerosol characteristics and its radiative properties over Patiala, northwestern part of India: Impact of agricultural biomass burning emissions. <i>Environmental Pollution</i> , 2017, 231, 1030-1041. | 3.7 | 38 |
| 43 | Dual carbon isotope characterization of total organic carbon in wintertime carbonaceous aerosols from northern India. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4797-4809. | 1.2 | 26 |
| 44 | Variability in aerosol optical properties over an urban site, Kanpur, in the Indo-Gangetic Plain: A case study of haze and dust events. <i>Atmospheric Research</i> , 2016, 174-175, 52-61. | 1.8 | 47 |
| 45 | Aerosol chemical characterization and role of carbonaceous aerosol on radiative effect over Varanasi in central Indo-Gangetic Plain. <i>Atmospheric Environment</i> , 2016, 125, 437-449. | 1.9 | 59 |
| 46 | Variations in carbonaceous species at a high-altitude site in western India: Role of synoptic scale transport. <i>Atmospheric Environment</i> , 2016, 125, 371-382. | 1.9 | 21 |
| 47 | Atmospheric carbonaceous aerosols from Indo-Gangetic Plain and Central Himalaya: Impact of anthropogenic sources. <i>Journal of Environmental Management</i> , 2015, 148, 153-163. | 3.8 | 49 |
| 48 | Aerosol optical properties and radiative effects over Manora Peak in the Himalayan foothills: seasonal variability and role of transported aerosols. <i>Science of the Total Environment</i> , 2015, 502, 287-295. | 3.9 | 36 |
| 49 | Primary and secondary aerosols from an urban site (Kanpur) in the Indo-Gangetic Plain: Impact on CCN, CN concentrations and optical properties. <i>Atmospheric Environment</i> , 2014, 89, 655-663. | 1.9 | 33 |
| 50 | Characterization of carbonaceous aerosols over Delhi in Ganga basin: seasonal variability and possible sources. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8610-8619. | 2.7 | 50 |
| 51 | A global 3-D CTM evaluation of black carbon in the Tibetan Plateau. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 7091-7112. | 1.9 | 48 |
| 52 | Seasonal variations of black carbon observed at the remote mountain site Happo in Japan. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 3709-3722. | 1.2 | 12 |
| 53 | Carbonaceous and Secondary Inorganic Aerosols during Wintertime Fog and Haze over Urban Sites in the Indo-Gangetic Plain. <i>Aerosol and Air Quality Research</i> , 2012, 12, 359-370. | 0.9 | 125 |
| 54 | Black carbon aerosols over Manora Peak in the Indian Himalayan foothills: implications for climate forcing. <i>Environmental Research Letters</i> , 2012, 7, 014002. | 2.2 | 69 |

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|----|--|-----|-----------|
| 55 | Temporal Trends in Atmospheric PM _{2.5} , PM ₁₀ , Elemental Carbon, Organic Carbon, Water-Soluble Organic Carbon, and Optical Properties: Impact of Biomass Burning Emissions in The Indo-Gangetic Plain. <i>Environmental Science & Technology</i> , 2012, 46, 686-695. | 4.6 | 188 |
| 56 | Comparison of Experimental and Modeled Absorption Enhancement by Black Carbon (BC) Cored Polydisperse Aerosols under Hygroscopic Conditions. <i>Environmental Science & Technology</i> , 2012, 46, 8082-8089. | 4.6 | 32 |
| 57 | Reduction of black carbon aerosols in Tokyo: Comparison of real-time observations with emission estimates. <i>Atmospheric Environment</i> , 2012, 54, 242-249. | 1.9 | 23 |
| 58 | Day-night variability of EC, OC, WSOC and inorganic ions in urban environment of Indo-Gangetic Plain: Implications to secondary aerosol formation. <i>Atmospheric Environment</i> , 2011, 45, 460-468. | 1.9 | 210 |
| 59 | Long-term record of aerosol optical properties and chemical composition from a high-altitude site (Manora Peak) in Central Himalaya. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11791-11803. | 1.9 | 172 |
| 60 | A 1 year record of carbonaceous aerosols from an urban site in the Indo-Gangetic Plain: Characterization, sources, and temporal variability. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 199 |
| 61 | Spatio-temporal variability in atmospheric abundances of EC, OC and WSOC over Northern India. <i>Journal of Aerosol Science</i> , 2010, 41, 88-98. | 1.8 | 255 |
| 62 | Inter-comparison of thermal and optical methods for determination of atmospheric black carbon and attenuation coefficient from an urban location in northern India. <i>Atmospheric Research</i> , 2010, 97, 335-342. | 1.8 | 51 |
| 63 | Absorption Coefficient and Site-Specific Mass Absorption Efficiency of Elemental Carbon in Aerosols over Urban, Rural, and High-Altitude Sites in India. <i>Environmental Science & Technology</i> , 2009, 43, 8233-8239. | 4.6 | 132 |
| 64 | Atmospheric abundances of primary and secondary carbonaceous species at two high-altitude sites in India: Sources and temporal variability. <i>Atmospheric Environment</i> , 2008, 42, 6785-6796. | 1.9 | 200 |