

Maheswar Rupakheti

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,303
citations

159525

30
h-index

161767

54
g-index

110
all docs

110
docs citations

110
times ranked

3523
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Trends in physical, optical and chemical columnar aerosol characteristics and radiative effects over South and East Asia: Satellite and ground-based observations. <i>Gondwana Research</i> , 2022, 105, 366-387.	3.0	10
3	Insights into recent aerosol trends over Asia from observations and CMIP6 simulations. <i>Science of the Total Environment</i> , 2022, 807, 150756.	3.9	15
4	Water vapour characteristics and radiative effects at high-altitude Himalayan sites. <i>Atmospheric Pollution Research</i> , 2022, 13, 101303.	1.8	5
5	Current status of source apportionment of ambient aerosols in India. <i>Atmospheric Environment</i> , 2022, 274, 118987.	1.9	11
6	Climate Benefits of Cleaner Energy Transitions in East and South Asia Through Black Carbon Reduction. <i>Frontiers in Environmental Science</i> , 2022, 10, .	1.5	6
7	Trends in the types and absorption characteristics of ambient aerosols over the Indo-Gangetic Plain and North China Plain in last two decades. <i>Science of the Total Environment</i> , 2022, 831, 154867.	3.9	7
8	Estimation of air pollutant emissions from captive diesel generators and its mitigation potential through microgrid and solar energy. <i>Energy Reports</i> , 2022, 8, 3251-3262.	2.5	14
9	Pre-monsoon submicron aerosol composition and source contribution in the Kathmandu Valley, Nepal. <i>Environmental Science Atmospheres</i> , 2022, 2, 978-999.	0.9	4
10	Estimating contributions of black and brown carbon to solar absorption from aethalometer and AERONET measurements in the highly polluted Kathmandu Valley, Nepal. <i>Atmospheric Research</i> , 2021, 247, 105164.	1.8	15
11	Inter-annual and seasonal variations in optical and physical characteristics of columnar aerosols over the Pokhara Valley in the Himalayan foothills. <i>Atmospheric Research</i> , 2021, 248, 105254.	1.8	7
12	Spatio-temporal characteristics of air pollutants over Xinjiang, northwestern China. <i>Environmental Pollution</i> , 2021, 268, 115907.	3.7	38
13	Black Carbon in Surface Soil and Its Sources in Three Central Asian Countries. <i>Archives of Environmental Contamination and Toxicology</i> , 2021, 80, 558-566.	2.1	3
14	The COVID-19 Pandemic Not Only Poses Challenges, but Also Opens Opportunities for Sustainable Transformation. <i>Earth's Future</i> , 2021, 9, e2021EF001996.	2.4	42
15	Influence of transboundary air pollution on air quality in southwestern China. <i>Geoscience Frontiers</i> , 2021, 12, 101239.	4.3	17
16	Modifications in aerosol physical, optical and radiative properties during heavy aerosol events over Dushanbe, Central Asia. <i>Geoscience Frontiers</i> , 2021, 12, 101251.	4.3	9
17	Impacts of Indian summer monsoon and stratospheric intrusion on air pollutants in the inland Tibetan Plateau. <i>Geoscience Frontiers</i> , 2021, 12, 101255.	4.3	13
18	Air Pollution in New Delhi during Late Winter: An Overview of a Group of Campaign Studies Focusing on Composition and Sources. <i>Atmosphere</i> , 2021, 12, 1432.	1.0	13

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19	Year-round aerosol characteristics and radiative effects in the South Asian pollution outflow over a background site in the Maldives. <i>Atmospheric Environment</i> , 2020, 240, 117813.	1.9	8
20	Aerosol-induced atmospheric heating rate decreases over South and East Asia as a result of changing content and composition. <i>Scientific Reports</i> , 2020, 10, 20091.	1.6	44
21	Two heavy haze events over Lumbini in southern Nepal: Enhanced aerosol radiative forcing and heating rates. <i>Atmospheric Environment</i> , 2020, 236, 117658.	1.9	12
22	Black carbon dominates the aerosol absorption over the Indo-Gangetic Plain and the Himalayan foothills. <i>Environment International</i> , 2020, 142, 105814.	4.8	47
23	Ambient air quality in the Kathmandu Valley, Nepal, during the pre-monsoon: concentrations and sources of particulate matter and trace gases. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 2927-2951.	1.9	40
24	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
25	Severe air pollution and characteristics of light-absorbing particles in a typical rural area of the Indo-Gangetic Plain. <i>Environmental Science and Pollution Research</i> , 2020, 27, 10617-10628.	2.7	15
26	Inter-annual and seasonal variations in columnar aerosol characteristics and radiative effects over the Pokhara Valley in the Himalayan foothills – Composition, radiative forcing, and atmospheric heating. <i>Environmental Pollution</i> , 2020, 264, 114799.	3.7	9
27	Columnar aerosol properties and radiative effects over Dushanbe, Tajikistan in Central Asia. <i>Environmental Pollution</i> , 2020, 265, 114872.	3.7	21
28	Seasonal source variability of carbonaceous aerosols at the Rwanda Climate Observatory. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4561-4573.	1.9	10
29	Nepal Ambient Monitoring and Source Testing Experiment (NAMaSTE): emissions of particulate matter and sulfur dioxide from vehicles and brick kilns and their impacts on air quality in the Kathmandu Valley, Nepal. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8209-8228.	1.9	14
30	Carbonaceous aerosol characteristics on the Third Pole: A primary study based on the Atmospheric Pollution and Cryospheric Change (APCC) network. <i>Environmental Pollution</i> , 2019, 253, 49-60.	3.7	64
31	Nepal emission inventory – Part I: Technologies and combustion sources (NEEMI-Tech) for 2001–2016. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12953-12973.	1.9	27
32	Identification of absorbing aerosol types at a site in the northern edge of Indo-Gangetic Plain and a polluted valley in the foothills of the central Himalayas. <i>Atmospheric Research</i> , 2019, 223, 15-23.	1.8	44
33	Molecular characterization of organic aerosols in the Kathmandu Valley, Nepal: insights into primary and secondary sources. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2725-2747.	1.9	41
34	Linking atmospheric pollution to cryospheric change in the Third Pole region: current progress and future prospects. <i>National Science Review</i> , 2019, 6, 796-809.	4.6	271
35	An overview of airborne measurement in Nepal – Part 1: Vertical profile of aerosol size, number, spectral absorption, and meteorology. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 245-258.	1.9	15
36	Seasonal and diurnal variability in O_3 , black carbon, and CO measured at the Rwanda Climate Observatory. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2063-2078.	1.9	23

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37	Indoor levels of black carbon and particulate matters in relation to cooking activities using different cook stove-fuels in rural Nepal. <i>Energy for Sustainable Development</i> , 2019, 48, 25-33.	2.0	30
38	Air Pollution in the Hindu Kush Himalaya. , 2019, , 339-387.		31
39	Observation of optical properties and sources of aerosols at Buddha's birthplace, Lumbini, Nepal: environmental implications. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14868-14881.	2.7	31
40	Observation and analysis of spatiotemporal characteristics of surface ozone and carbon monoxide at multiple sites in the Kathmandu Valley, Nepal. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14113-14132.	1.9	19
41	WRF and WRF-Chem v3.5.1 simulations of meteorology and black carbon concentrations in the Kathmandu Valley. <i>Geoscientific Model Development</i> , 2018, 11, 2067-2091.	1.3	35
42	Long-term trends in the total columns of ozone and its precursor gases derived from satellite measurements during 2004–2015 over three different regions in South Asia: Indo-Gangetic Plain, Himalayas and Tibetan Plateau. <i>International Journal of Remote Sensing</i> , 2018, 39, 7384-7404.	1.3	6
43	Variations in surface ozone and carbon monoxide in the Kathmandu Valley and surrounding broader regions during SusKat-ABC field campaign: role of local and regional sources. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11949-11971.	1.9	38
44	Black Carbon and Ozone Variability at the Kathmandu Valley and at the Southern Himalayas: A Comparison between a "Hot Spot" and a Downwind High-Altitude Site. <i>Aerosol and Air Quality Research</i> , 2018, 18, 623-635.	0.9	16
45	Characterizations of atmospheric particulate-bound mercury in the Kathmandu Valley of Nepal, South Asia. <i>Science of the Total Environment</i> , 2017, 579, 1240-1248.	3.9	39
46	Seasonal and diurnal variations in methane and carbon dioxide in the Kathmandu Valley in the foothills of the central Himalayas. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12573-12596.	1.9	29
47	Pre-monsoon air quality over Lumbini, a world heritage site along the Himalayan foothills. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11041-11063.	1.9	70
48	Wintertime aerosol optical and radiative properties in the Kathmandu Valley during the SusKat-ABC field campaign. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12617-12632.	1.9	19
49	Near-road sampling of PM _{2.5} , BC, and fine-particle chemical components in Kathmandu Valley, Nepal. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6503-6516.	1.9	38
50	Source apportionment of NMVOCs in the Kathmandu Valley during the SusKat-ABC international field campaign using positive matrix factorization. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8129-8156.	1.9	73
51	Investigation of the mixing layer height derived from ceilometer measurements in the Kathmandu Valley and implications for local air quality. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8157-8176.	1.9	46
52	Organic molecular tracers in the atmospheric aerosols from Lumbini, Nepal, in the northern Indo-Gangetic Plain: influence of biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8867-8885.	1.9	91
53	Characteristics of Particulate-Phase Polycyclic Aromatic Hydrocarbons (PAHs) in the Atmosphere over the Central Himalayas. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2942-2954.	0.9	23
54	Respiratory Effects of High Levels of Particulate Exposure in a Cohort of Traffic Police in Kathmandu, Nepal. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, e218-e225.	0.9	20

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55	Source apportionment of particle-bound polycyclic aromatic hydrocarbons in Lumbini, Nepal by using the positive matrix factorization receptor model. <i>Atmospheric Research</i> , 2016, 182, 46-53.	1.8	47
56	Overview of VOC emissions and chemistry from PTR-TOF-MS measurements during the SusKat-ABC campaign: high acetaldehyde, isoprene and isocyanic acid in wintertime air of the Kathmandu Valley. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3979-4003.	1.9	102
57	The impact of residential combustion emissions on atmospheric aerosol, human health, and climate. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 873-905.	1.9	122
58	PM Modelling over Nepal with WRF-Chem. <i>Springer Proceedings in Complexity</i> , 2016, , 319-323.	0.2	0
59	Variability of Anthropogenic Gases: Nitrogen Oxides, Sulfur Dioxide, Ozone and Ammonia in Kathmandu Valley, Nepal. <i>Aerosol and Air Quality Research</i> , 2016, 16, 3088-3101.	0.9	30
60	Seasonal variation of ozone and black carbon observed at Paknajol, an urban site in the Kathmandu Valley, Nepal. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13957-13971.	1.9	56
61	Atmospheric brown clouds reach the Tibetan Plateau by crossing the Himalayas. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6007-6021.	1.9	156
62	The "dual-spot" Aethalometer: an improved measurement of aerosol black carbon with real-time loading compensation. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1965-1979.	1.2	662
63	Source apportionment of PM10 mass and particulate carbon in the Kathmandu Valley, Nepal. <i>Atmospheric Environment</i> , 2015, 123, 190-199.	1.9	59
64	Characteristics and sources of polycyclic aromatic hydrocarbons in atmospheric aerosols in the Kathmandu Valley, Nepal. <i>Science of the Total Environment</i> , 2015, 538, 86-92.	3.9	85
65	Analysis of the vehicle fleet in the Kathmandu Valley for estimation of environment and climate co-benefits of technology intrusions. <i>Atmospheric Environment</i> , 2013, 81, 579-590.	1.9	65
66	Characterization of organosulfates in atmospheric aerosols at Four Asian locations. <i>Atmospheric Environment</i> , 2012, 47, 323-329.	1.9	131
67	An Intensive Study of the Size and Composition of Submicron Atmospheric Aerosols at a Rural Site in Ontario, Canada. <i>Aerosol Science and Technology</i> , 2005, 39, 722-736.	1.5	47
68	STUDY OF AEROSOL OPTICAL PROPERTIES OVER TWO SITES IN THE FOOTHILLS OF THE CENTRAL HIMALAYAS. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3, 1493-1497.	0.2	1