

Short-term modulation of Indian summer monsoon rain

Nature Geoscience

7, 308-313

DOI: [10.1038/ngeo2107](https://doi.org/10.1038/ngeo2107)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Longwave Radiation on Snow-Covered Mountainous Surfaces. <i>Journal of Applied Meteorology and Climatology</i> , 1997, 36, 818-824.	1.7	66
2	Desert dust and monsoon rain. <i>Nature Geoscience</i> , 2014, 7, 255-256.	12.9	33
3	Short ensembles: an efficient method for discerning climate-relevant sensitivities in atmospheric general circulation models. <i>Geoscientific Model Development</i> , 2014, 7, 1961-1977.	3.6	49
4	Extremely high aerosol loading over Arabian Sea during June 2008: The specific role of the atmospheric dynamics and Sistan dust storms. <i>Atmospheric Environment</i> , 2014, 94, 374-384.	4.1	59
5	Positive response of Indian summer rainfall to Middle East dust. <i>Geophysical Research Letters</i> , 2014, 41, 4068-4074.	4.0	104
6	Global observations of aerosol-cloud-precipitation-climate interactions. <i>Reviews of Geophysics</i> , 2014, 52, 750-808.	23.0	316
7	Type-segregated aerosol effects on regional monsoon activity: A study using ground-based experiments and model simulations. <i>Atmospheric Environment</i> , 2014, 99, 650-659.	4.1	7
8	Investigation of the "elevated heat pump" hypothesis of the Asian monsoon using satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 8749-8761.	4.9	30
9	Dust aerosol feedback on the Indian summer monsoon: Sensitivity to absorption property. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 9642-9652.	3.3	60
10	A new approach to modeling aerosol effects on East Asian climate: Parametric uncertainties associated with emissions, cloud microphysics, and their interactions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8905-8924.	3.3	20
11	Ocean mediation of tropospheric response to reflecting and absorbing aerosols. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5827-5833.	4.9	42
12	Consistent response of Indian summer monsoon to Middle East dust in observations and simulations. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9897-9915.	4.9	83
13	Increasing Arabian dust activity and the Indian summer monsoon. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8051-8064.	4.9	113
14	Particulate matter, air quality and climate: lessons learned and future needs. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8217-8299.	4.9	641
15	Indian monsoon and the elevated heat pump mechanism in a coupled aerosol-climate model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8712-8723.	3.3	26
16	Meteorological, atmospheric and climatic perturbations during major dust storms over Indo-Gangetic Basin. <i>Aeolian Research</i> , 2015, 17, 15-31.	2.7	74
17	On the response of Indian summer monsoon to aerosol forcing in CMIP5 model simulations. <i>Climate Dynamics</i> , 2015, 45, 2949-2961.	3.8	53
18	Meteorological regimes modulating dust outbreaks in southwest Asia: The role of pressure anomaly and Inter-Tropical Convergence Zone on the 3 July 2014 case. <i>Aeolian Research</i> , 2015, 18, 83-97.	2.7	39

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19	Dust-storm dynamics over Sistan region, Iran: Seasonality, transport characteristics and affected areas. <i>Aeolian Research</i> , 2015, 16, 35-48.	2.7	104
24	Towards understanding the variability of aerosol characteristics over the Indo-Gangetic Plain. <i>Proceedings of SPIE</i> , 2016, , .	0.8	3
25	Global trends of aerosol optical thickness using the ensemble empirical mode decomposition method. <i>International Journal of Climatology</i> , 2016, 36, 4358-4372.	3.5	25
26	Toward reconciling the influence of atmospheric aerosols and greenhouse gases on light precipitation changes in Eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 5878-5887.	3.3	46
27	Aerosols and contrasting monsoon conditions over the Himalayan region. , 2016, , .		1
28	Tracing dust transport from Middle-East over Delhi in March 2012 using metal and lead isotope composition. <i>Atmospheric Environment</i> , 2016, 132, 179-187.	4.1	32
29	The aerosol-monsoon climate system of Asia: A new paradigm. <i>Journal of Meteorological Research</i> , 2016, 30, 1-11.	2.4	44
30	Amplification of ENSO effects on Indian summer monsoon by absorbing aerosols. <i>Climate Dynamics</i> , 2016, 46, 2657-2671.	3.8	67
31	Recent changes in dust and its impact on aerosol trends over the Indo-Gangetic Plain (IGP). , 2016, , .		3
32	Aerosol and monsoon climate interactions over Asia. <i>Reviews of Geophysics</i> , 2016, 54, 866-929.	23.0	591
33	Confronting the "Indian summer monsoon response to black carbon aerosol" with the uncertainty in its radiative forcing and beyond. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 7833-7852.	3.3	16
34	Regional simulation of aerosol radiative effects and their influence on rainfall over India using WRFChem model. <i>Atmospheric Research</i> , 2016, 182, 232-242.	4.1	16
35	Seasonal Responses of Indian Summer Monsoon to Dust Aerosols in the Middle East, India, and China. <i>Journal of Climate</i> , 2016, 29, 6329-6349.	3.2	64
36	Local and Remote Impacts of Aerosol Species on Indian Summer Monsoon Rainfall in a GCM. <i>Journal of Climate</i> , 2016, 29, 6937-6955.	3.2	52
37	High sensitivity of Indian summer monsoon to Middle East dust absorptive properties. <i>Scientific Reports</i> , 2016, 6, 30690.	3.3	23
38	Large-scale enhancement in aerosol absorption in the lower free troposphere over continental India during spring. <i>Geophysical Research Letters</i> , 2016, 43, 11,453.	4.0	19
39	The impact of the Pacific Decadal Oscillation on springtime dust activity in Syria. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13431-13448.	4.9	42
40	Fluorescent biological aerosol particle measurements at a tropical high-altitude site in southern India during the southwest monsoon season. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9805-9830.	4.9	33

#	ARTICLE	IF	CITATIONS
41	Dust Rains Deliver Diverse Assemblages of Microorganisms to the Eastern Mediterranean. <i>Scientific Reports</i> , 2016, 6, 22657.	3.3	35
42	Saharan dust inputs and high UVR levels jointly alter the metabolic balance of marine oligotrophic ecosystems. <i>Scientific Reports</i> , 2016, 6, 35892.	3.3	16
43	Multi-year model simulations of mineral dust distribution and transport over the Indian subcontinent during summer monsoon seasons. <i>Meteorology and Atmospheric Physics</i> , 2016, 128, 453-464.	2.0	19
44	Detection and attribution of human influence on regional precipitation. <i>Nature Climate Change</i> , 2016, 6, 669-675.	18.8	89
46	A GCM investigation of dust aerosol impact on the regional climate of North Africa and South/East Asia. <i>Climate Dynamics</i> , 2016, 46, 2353-2370.	3.8	38
47	Seasonal variation of vertical distribution of aerosol single scattering albedo over Indian sub-continent: RAWEX aircraft observations. <i>Atmospheric Environment</i> , 2016, 125, 312-323.	4.1	38
48	The Caspian Seaâ€“Hindu Kush Index (CashKI): A regulatory factor for dust activity over southwest Asia. <i>Global and Planetary Change</i> , 2016, 137, 10-23.	3.5	63
49	Near-linear response of mean monsoon strength to a broad range of radiative forcings. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1510-1515.	7.1	41
50	Characteristics of atmospheric aerosol particles and their role in aerosol radiative forcing over the northwestern Indian Himalaya in particular and over India in general. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 795-808.	3.3	12
51	Anthropogenic aerosol fraction over the Indian region: model simulations versus multi-satellite data analysis. <i>International Journal of Remote Sensing</i> , 2016, 37, 782-804.	2.9	5
52	ENSO Modulation of Interannual Variability of Dust Aerosols over the Northwest Indian Ocean*. <i>Journal of Climate</i> , 2016, 29, 1287-1303.	3.2	26
53	Direct observations of shortwave aerosol radiative forcing at surface and its diurnal variation during the Asian dry season at southwest Indian peninsula. <i>Meteorology and Atmospheric Physics</i> , 2016, 128, 477-489.	2.0	3
54	Seasonal differences in aerosol abundance and radiative forcing in months of contrasting emissions and rainfall over northern South Asia. <i>Atmospheric Environment</i> , 2016, 125, 512-523.	4.1	13
55	Dust-wind interactions can intensify aerosol pollution over eastern China. <i>Nature Communications</i> , 2017, 8, 15333.	12.8	105
57	Competing influences of greenhouse warming and aerosols on Asian summer monsoon circulation and rainfall. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2017, 53, 181-194.	2.3	53
58	The drying tendency of shallow meridional circulations in monsoons. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 2655-2664.	2.7	11
59	Contrasting influences of aerosols on cloud properties during deficient and abundant monsoon years. <i>Scientific Reports</i> , 2017, 7, 44996.	3.3	21
60	Assessment of changes in atmospheric dynamics and dust activity over southwest Asia using the Caspian Seaâ€“Hindu Kush Index. <i>International Journal of Climatology</i> , 2017, 37, 1013-1034.	3.5	33

#	ARTICLE	IF	CITATIONS
61	Mid-troposphere transport of Middle-East dust over the Arabian Sea and its effect on rainwater composition and sensitive ecosystems over India. <i>Scientific Reports</i> , 2017, 7, 13676.	3.3	55
62	Investigating the relationship between Aerosol Optical Depth and Precipitation over Southeast Asia with Relative Humidity as an influencing factor. <i>Scientific Reports</i> , 2017, 7, 13395.	3.3	25
63	Evaluation of MODIS Deep Blue Aerosol Algorithm in Desert Region of East Asia: Ground Validation and Intercomparison. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,357.	3.3	39
64	Increased sporadic extremes decrease the intraseasonal variability in the Indian summer monsoon rainfall. <i>Scientific Reports</i> , 2017, 7, 7824.	3.3	35
65	Impacts of aerosol–monsoon interaction on rainfall and circulation over Northern India and the Himalaya Foothills. <i>Climate Dynamics</i> , 2017, 49, 1945-1960.	3.8	57
66	Dryland climate change: Recent progress and challenges. <i>Reviews of Geophysics</i> , 2017, 55, 719-778.	23.0	507
67	The global monsoon across time scales: Mechanisms and outstanding issues. <i>Earth-Science Reviews</i> , 2017, 174, 84-121.	9.1	290
68	Role of aerosols in modulating cloud properties during active–break cycle of Indian summer monsoon. <i>Climate Dynamics</i> , 2017, 49, 2131-2145.	3.8	12
69	Seasonal Verification of Dust Forecast over the Indian Region. <i>Pure and Applied Geophysics</i> , 2017, 174, 4225-4240.	1.9	2
70	Declining pre-monsoon dust loading over South Asia: Signature of a changing regional climate. <i>Scientific Reports</i> , 2017, 7, 16062.	3.3	86
71	Aerosols cause intraseasonal short-term suppression of Indian monsoon rainfall. <i>Scientific Reports</i> , 2017, 7, 17347.	3.3	48
72	Revisiting the observed correlation between weekly averaged Indian monsoon precipitation and Arabian Sea aerosol optical depth. <i>Geophysical Research Letters</i> , 2017, 44, 10006-10016.	4.0	20
73	REYâ€œThâ€œU Solute Dynamics in the Critical Zone: Combined Influence of Chemical Weathering, Atmospheric Deposit Leaching, and Vegetation Cycling (Mule Hole Watershed, South India). <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 4409-4425.	2.5	18
74	Direct radiative effects of aerosols over South Asia from observations and modeling. <i>Climate Dynamics</i> , 2017, 49, 1411-1428.	3.8	33
75	Potential modulations of pre-monsoon aerosols during El NiÃ±o: impact on Indian summer monsoon. <i>Climate Dynamics</i> , 2017, 49, 2279-2290.	3.8	18
76	Vertical Structure of Aerosols and Mineral Dust Over the Bay of Bengal From Multisatellite Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,845.	3.3	30
77	Potential impact of carbonaceous aerosol on the upper troposphere and lower stratosphere (UTLS) and precipitation during Asian summer monsoon in a global model simulation. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11637-11654.	4.9	26
78	Spectral- and size-resolved mass absorption efficiency of mineral dust aerosols in the shortwave spectrum: a simulation chamber study. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7175-7191.	4.9	66

#	ARTICLE	IF	CITATIONS
79	Dust load and rainfall characteristics and their relationship over the South Asian monsoon region under various warming scenarios. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 7896-7921.	3.3	17
81	Influence of enhanced Asian NO _x emissions on ozone in the upper troposphere and lower stratosphere in chemistry-climate model simulations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1297-1311.	4.9	18
83	The PMIP4 contribution to CMIP6 – Part 2: Two interglacials, scientific objective and experimental design for Holocene and Last Interglacial simulations. <i>Geoscientific Model Development</i> , 2017, 10, 3979-4003.	3.6	171
84	Assessment of 1D and 3D model simulated radiation flux based on surface measurements and estimation of aerosol forcing and their climatological aspects. <i>Atmospheric Research</i> , 2018, 204, 110-127.	4.1	11
85	The Interannual Dominant Covariation Mode of Boreal Summer Monsoon Rainfall during 1979–2014. <i>Journal of Climate</i> , 2018, 31, 4193-4213.	3.2	1
86	Investigation of optical and radiative properties of aerosols during an intense dust storm: A regional climate modeling approach. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 168, 21-31.	1.6	10
87	How Light-Absorbing Properties of Organic Aerosol Modify the Asian Summer Monsoon Rainfall?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2244-2255.	3.3	10
88	How Will Air Quality Change in South Asia by 2050?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1840-1864.	3.3	61
89	Season-dependent size distribution of aerosols over the tropical coastal environment of south-west India. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 167, 219-232.	1.6	4
90	Elevated heat pump effects of dust aerosol over Northwestern China during summer. <i>Atmospheric Research</i> , 2018, 203, 95-104.	4.1	21
91	Upper air thermal inversion and their impact on the summer monsoon rainfall over Goa – A case study. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 169, 37-44.	1.6	4
92	Trends of absorption, scattering and total aerosol optical depths over India and surrounding oceanic regions from satellite observations: role of local production, transport and atmospheric dynamics. <i>Environmental Science and Pollution Research</i> , 2018, 25, 18147-18160.	5.3	21
93	Radiative impact of a heavy dust storm over India and surrounding oceanic regions. <i>Atmospheric Environment</i> , 2018, 185, 109-120.	4.1	37
94	Nine-year spatial and temporal evolution of desert dust aerosols over South and East Asia as revealed by CALIOP. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1337-1362.	4.9	112
95	Tibetan Plateau Impacts on Global Dust Transport in the Upper Troposphere. <i>Journal of Climate</i> , 2018, 31, 4745-4756.	3.2	40
96	Radiative effects of black carbon aerosols on Indian monsoon: a study using WRF-Chem model. <i>Theoretical and Applied Climatology</i> , 2018, 132, 115-134.	2.8	10
97	On the dust load and rainfall relationship in South Asia: an analysis from CMIP5. <i>Climate Dynamics</i> , 2018, 50, 403-422.	3.8	13
98	Global and regional evaluation of a global model simulated AODs with AERONET and MODIS observations. <i>International Journal of Climatology</i> , 2018, 38, e269.	3.5	10

#	ARTICLE	IF	CITATIONS
99	Fine-grained quartz OSL dating chronology of loess sequence from southern Tajikistan: Implications for climate change in arid central Asia during MIS 2. <i>Journal of Asian Earth Sciences</i> , 2018, 155, 116-123.	2.3	15
100	Impact of atmospheric circulation types on southwest Asian dust and Indian summer monsoon rainfall. <i>Atmospheric Research</i> , 2018, 201, 189-205.	4.1	47
101	Investigation of the Relationship Between Natural Aerosols and Indian Summer Monsoon Rainfall Using a Climate Model. <i>Water Science and Technology Library</i> , 2018, , 137-143.	0.3	0
102	Large contrast in the vertical distribution of aerosol optical properties and radiative effects across the Indo-Gangetic Plain during the SWAAMI“RAWEX campaign. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17669-17685.	4.9	38
103	Impact of Snow Darkening by Deposition of Light-Absorbing Aerosols on Snow Cover in the Himalayas“Tibetan Plateau and Influence on the Asian Summer Monsoon: A Possible Mechanism for the Blanford Hypothesis. <i>Atmosphere</i> , 2018, 9, 438.	2.3	43
106	Observations and Cloud“Resolving Modeling of Haboob Dust Storms Over the Arabian Peninsula. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 12,147.	3.3	16
107	How reliable are CMIP5 models in simulating dust optical depth?. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12491-12510.	4.9	70
108	High Summertime Aerosol Loadings Over the Arabian Sea and Their Transport Pathways. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,568.	3.3	44
109	Discerning the pre-monsoon urban atmosphere aerosol characteristic and its potential source type remotely sensed by AERONET over the Bengal Gangetic plain. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22163-22179.	5.3	8
110	Direct radiative effects during intense Mediterranean desert dust outbreaks. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8757-8787.	4.9	41
111	Constrained simulation of aerosol species and sources during pre-monsoon season over the Indian subcontinent. <i>Atmospheric Research</i> , 2018, 214, 91-108.	4.1	8
113	Circulation responses to regional aerosol climate forcing in summer over East Asia. <i>Climate Dynamics</i> , 2018, 51, 3973-3984.	3.8	20
114	Aerosol Optical Depth variability over the Arabian Peninsula as inferred from satellite measurements. <i>Atmospheric Environment</i> , 2018, 187, 346-357.	4.1	28
115	Long-term study of aerosol“cloud“precipitation interaction over the eastern part of India using satellite observations during pre-monsoon season. <i>Theoretical and Applied Climatology</i> , 2019, 136, 605-626.	2.8	27
116	Characteristics of northward propagating intraseasonal oscillation in the Indian summer monsoon. <i>Climate Dynamics</i> , 2019, 52, 1903-1916.	3.8	23
117	Disentangling sea-surface temperature and anthropogenic aerosol influences on recent trends in South Asian monsoon rainfall. <i>Climate Dynamics</i> , 2019, 52, 2287-2302.	3.8	20
118	Aerosol Influences on Cloud Modification and Rainfall Suppression in the South Asian Monsoon Region. , 2019, , 21-37.		3
119	Elevated aerosol layer over South Asia worsens the Indian droughts. <i>Scientific Reports</i> , 2019, 9, 10268.	3.3	34

#	ARTICLE	IF	CITATIONS
120	Simulations of black carbon over the Indian region: improvements and implications of diurnality in emissions. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8229-8241.	4.9	10
121	Aerosol and cloud radiative forcing over various hot spot regions in India. <i>Advances in Space Research</i> , 2019, 64, 1577-1591.	2.6	1
122	Strengthened Indian Summer Monsoon Precipitation Susceptibility Linked to Dust-Induced Ice Cloud Modification. <i>Geophysical Research Letters</i> , 2019, 46, 8431-8441.	4.0	10
123	CAM6 simulation of mean and extreme precipitation over Asia: sensitivity to upgraded physical parameterizations and higher horizontal resolution. <i>Geoscientific Model Development</i> , 2019, 12, 3773-3793.	3.6	28
124	Radiative Effect of Mineral Dust on East Asian Summer Monsoon During the Last Glacial Maximum: Role of Snow-Albedo Feedback. <i>Geophysical Research Letters</i> , 2019, 46, 10901-10909.	4.0	19
125	Possible Impacts of Snow Darkening Effects on the Hydrological Cycle over Western Eurasia and East Asia. <i>Atmosphere</i> , 2019, 10, 500.	2.3	5
132	Climate response of the south Asian monsoon system to West Asia, Tibetan Plateau and local dust emissions. <i>Climate Dynamics</i> , 2019, 53, 6245-6264.	3.8	10
133	Impact of West Asia, Tibetan Plateau and local dust emissions on intra-seasonal oscillations of the South Asian monsoon rainfall. <i>Climate Dynamics</i> , 2019, 53, 6569-6593.	3.8	15
134	Recent Regime Shifts in Mineral Dust Trends Over South Asia From Long-Term CALIPSO Observations. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 4485-4489.	6.3	16
135	Aerosols impact on the convective and non-convective rain distribution over the Indian region: Results from WRF-Chem simulation. <i>Atmospheric Environment</i> , 2019, 202, 64-74.	4.1	10
137	Assessment of two intense dust storm characteristics over Indo-Gangetic basin and their radiative impacts: A case study. <i>Atmospheric Research</i> , 2019, 228, 23-40.	4.1	49
138	Modeling of the Effects of Wintertime Aerosols on Boundary Layer Properties Over the Indo Gangetic Plain. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 4141-4157.	3.3	25
139	Optical dating of Holocene paleosol development and climate changes in the Yili Basin, arid central Asia. <i>Holocene</i> , 2019, 29, 1068-1077.	1.7	25
140	Indian summer monsoon: Extreme events, historical changes, and role of anthropogenic forcings. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2019, 10, e571.	8.1	117
141	Redistribution of Indian summer monsoon by dust aerosol forcing. <i>Meteorological Applications</i> , 2019, 26, 584-596.	2.1	21
142	Marginal Benefit to South Asian Economies from SO ₂ Emissions Mitigation and Subsequent Increase in Monsoon Rainfall. <i>Atmosphere</i> , 2019, 10, 70.	2.3	0
143	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.	4.9	15
144	Impact of Deadly Dust Storms (May 2018) on Air Quality, Meteorological, and Atmospheric Parameters Over the Northern Parts of India. <i>GeoHealth</i> , 2019, 3, 67-80.	4.0	82

#	ARTICLE	IF	CITATIONS
147	Snow-darkening versus direct radiative effects of mineral dust aerosol on the Indian summer monsoon onset: role of temperature change over dust sources. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1605-1622.	4.9	24
148	Relationship between Asian monsoon strength and transport of surface aerosols to the Asian Tropopause Aerosol Layer (ATAL): interannual variability and decadal changes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1901-1913.	4.9	34
149	Climate Change Indicators and Spatiotemporal Shift in Monsoon Patterns in Pakistan. <i>Advances in Meteorology</i> , 2019, 2019, 1-14.	1.6	29
150	Complex refractive indices and single-scattering albedo of global dust aerosols in the shortwave spectrum and relationship to size and iron content. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15503-15531.	4.9	108
151	On the Recent Amplification of Dust Over the Arabian Peninsula During 2002–2012. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 13220-13229.	3.3	24
152	Quantifying snow darkening and atmospheric radiative effects of black carbon and dust on the South Asian monsoon and hydrological cycle: experiments using variable-resolution CESM. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12025-12049.	4.9	31
153	The current state of aerosol-radiation interactions: A mini review. <i>Journal of Aerosol Science</i> , 2019, 130, 45-54.	3.8	46
154	Long-Range Transport of Mineral Dust to the Northeast Indian Ocean: Regional versus Remote Sources and the Implications. <i>Journal of Climate</i> , 2019, 32, 1525-1549.	3.2	33
155	Air Pollution in the Hindu Kush Himalaya. , 2019, , 339-387.		31
156	Regional scale analysis of trends in rainfall using nonparametric methods and wavelet transforms over a semi-arid region in India. <i>International Journal of Climatology</i> , 2019, 39, 2737-2764.	3.5	22
157	A seasonal analysis of aerosol-cloud-radiation interaction over Indian region during 2000–2017. <i>Atmospheric Environment</i> , 2019, 201, 212-222.	4.1	30
158	Disentangling the influence of local and remote anthropogenic aerosols on South Asian monsoon daily rainfall characteristics. <i>Climate Dynamics</i> , 2019, 52, 6301-6320.	3.8	26
159	On the connection between remote dust aerosol and Indian summer monsoon. <i>Theoretical and Applied Climatology</i> , 2019, 137, 929-940.	2.8	8
160	Atmospheric aerosol optical depth and its variability over an urban location in Eastern India. <i>Natural Hazards</i> , 2020, 102, 591-605.	3.4	8
161	Assessing the impacts of the spring sensible heat flux over the Tibetan Plateau on Asian summer monsoon rainfall using observational and reanalysis data. <i>International Journal of Climatology</i> , 2020, 40, 2342-2358.	3.5	5
162	Role of Arabian Sea warming on the Indian summer monsoon rainfall in a regional climate model. <i>International Journal of Climatology</i> , 2020, 40, 2226-2238.	3.5	46
163	Characteristics and Variability of Carbonaceous Aerosols over a Semi Urban Location in Garhwal Himalayas. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2020, 56, 455-465.	2.3	17
164	Aerosol radiative impact on surface ozone during a heavy dust and biomass burning event over South Asia. <i>Atmospheric Environment</i> , 2020, 223, 117201.	4.1	13

#	ARTICLE	IF	CITATIONS
165	Aerosol-Radiation Interactions of Dust Storm Deteriorate Particle and Ozone Pollution in East China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033601.	3.3	17
166	Sensitivity of Cloud Microphysics on the Simulation of a Monsoon Depression Over the Bay of Bengal. <i>Pure and Applied Geophysics</i> , 2020, 177, 5487-5505.	1.9	7
167	Response of Natural Vegetation to Climate in Dryland Ecosystems: A Comparative Study between Xinjiang and Arizona. <i>Remote Sensing</i> , 2020, 12, 3567.	4.0	21
168	Magnetic susceptibility parameters as proxies for desert sediment provenance. <i>Aeolian Research</i> , 2020, 46, 100615.	2.7	12
169	Investigating the relative responses of regional monsoon dynamics to snow darkening and direct radiative effects of dust and carbonaceous aerosols over the Indian subcontinent. <i>Climate Dynamics</i> , 2020, 55, 1011-1030.	3.8	23
170	Vertical profiles of submicron aerosol single scattering albedo over the Indian region immediately before monsoon onset and during its development: research from the SWAAMI field campaign. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4031-4046.	4.9	9
171	Retrieving the global distribution of the threshold of wind erosion from satellite data and implementing it into the Geophysical Fluid Dynamics Laboratory land-atmosphere model (GFDL-ORNL-AM2.1). <i>Journal of Geophysical Research</i> , 2020, 125, e2019JD031414.	3.5	10
172	Impact of Dust-Cloud-Radiation-Precipitation Dynamical Feedback on Subseasonal-to-Seasonal Variability of the Asian Summer Monsoon in Global Variable-Resolution Simulations With MPAS-CAM5. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	13
173	An aerosol climatology for global models based on the tropospheric aerosol scheme in the Integrated Forecasting System of ECMWF. <i>Geoscientific Model Development</i> , 2020, 13, 1007-1034.	3.6	40
174	Near-Future Anthropogenic Aerosol Emission Scenarios and Their Direct Radiative Effects on the Present-Day Characteristics of the Indian Summer Monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031414.	3.3	17
175	Quantification of long-range transported aeolian dust towards the Indian peninsular region using satellite and ground-based data - A case study during a dust storm over the Arabian Sea. <i>Atmospheric Research</i> , 2020, 239, 104910.	4.1	35
176	Indian Network Project on Carbonaceous Aerosol Emissions, Source Apportionment and Climate Impacts (COALESCE). <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1052-E1068.	3.3	40
177	Modeling of aerosol induced snow albedo feedbacks over the Himalayas and its implications on regional climate. <i>Climate Dynamics</i> , 2020, 54, 4191-4210.	3.8	39
178	Altitude profiles of cloud condensation nuclei characteristics across the Indo-Gangetic Plain prior to the onset of the Indian summer monsoon. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 561-576.	4.9	22
179	Rapid response of the East Asian trough to Tibetan Plateau snow cover. <i>International Journal of Climatology</i> , 2021, 41, 251-261.	3.5	11
180	The stratospheric ozone rich cold intrusion during $\langle \text{scp} \rangle$ over the Indian region: Implication during the Indian summer monsoon. <i>International Journal of Climatology</i> , 2021, 41, E233.	3.5	8
181	Spatio-temporal variability of near-surface air pollutants at four distinct geographical locations in Andhra Pradesh State of India. <i>Environmental Pollution</i> , 2021, 268, 115899.	7.5	11
182	Assessment of the vertical distribution of speciated aerosol absorption over South Asia using spaceborne LIDAR and ground-based observations. <i>Remote Sensing of Environment</i> , 2021, 253, 112164.	11.0	15

#	ARTICLE	IF	CITATIONS
183	Simulation of an extreme dust episode using WRF-CHEM based on optimal ensemble approach. Atmospheric Research, 2021, 249, 105296.	4.1	22
184	Variability of monsoon inversion over the Arabian Sea and its impact on rainfall. International Journal of Climatology, 2021, 41, E2979.	3.5	12
185	Provenance tracing of long-range transported dust over the Northeastern Arabian Sea during the southwest monsoon. Atmospheric Research, 2021, 250, 105377.	4.1	21
186	Characterization of Aerosol Types by Columnar Optical Properties Analysis at a Coastal Site on Eastern Seaboard of India. Aerosol Science and Engineering, 2021, 5, 56-69.	1.9	0
187	Identifying a transport mechanism of dust aerosols over South Asia to the Tibetan Plateau: A case study. Science of the Total Environment, 2021, 758, 143714.	8.0	38
188	Abrupt climate variability since the last deglaciation based on a high-resolution peat dust deposition record from southwest China. Quaternary Science Reviews, 2021, 252, 106749.	3.0	7
189	Unraveling the characteristics of precipitation microphysics in summer and winter monsoon over Mumbai and Chennai – the two urban-coastal cities of Indian sub-continent. Atmospheric Research, 2021, 249, 105313.	4.1	10
190	South Asian summer monsoon and subtropical deserts. , 2021, , 299-318.		0
191	Impact of Urban and Semi-urban Aerosols on the Cloud Microphysical Properties and Precipitation. Springer Atmospheric Sciences, 2021, , 25-36.	0.3	2
192	Dust Atmospheric Transport Over Long Distances. , 2022, , 259-300.		2
193	On the build-up of dust aerosols and possible indirect effect during Indian summer monsoon break spells using recent satellite observations of aerosols and cloud properties. Journal of Earth System Science, 2021, 130, 1.	1.3	8
194	Impact of middle east dust on subseasonal-to-seasonal variability of the Asian summer monsoon. Climate Dynamics, 2021, 57, 37-54.	3.8	6
195	Influence of aerosols on clouds, precipitation and freezing level height over the foothills of the Himalayas during the Indian summer monsoon. Climate Dynamics, 2021, 57, 395-413.	3.8	11
196	Assessment of WRF-CHEM Simulated Dust Using Reanalysis, Satellite Data and Ground-Based Observations. Journal of the Indian Society of Remote Sensing, 2021, 49, 1545-1559.	2.4	4
197	Aerosol Climatology Over South and Southeast Asia: Aerosol Types, Vertical Profile, and Source Fields. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033554.	3.3	17
198	Interactions of Asian mineral dust with Indian summer monsoon: Recent advances and challenges. Earth-Science Reviews, 2021, 215, 103562.	9.1	67
199	Contribution of the world's main dust source regions to the global cycle of desert dust. Atmospheric Chemistry and Physics, 2021, 21, 8169-8193.	4.9	126
200	A dynamical pathway bridging African biomass burning and Asian summer monsoon. Climate Dynamics, 2021, 57, 1993-2004.	3.8	0

#	ARTICLE	IF	CITATIONS
201	Global Impact of ENSO on Dust Activities with Emphasis on the Key Region from the Arabian Peninsula to Central Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034068.	3.3	17
202	Neogene hyperaridity in Arabia drove the directions of mammalian dispersal between Africa and Eurasia. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	13
203	Glaciohydrology of the Himalaya-Karakoram. <i>Science</i> , 2021, 373, .	12.6	90
204	Evaluating Carbon Monoxide and Aerosol Optical Depth Simulations from CAM-Chem Using Satellite Observations. <i>Remote Sensing</i> , 2021, 13, 2231.	4.0	9
205	A Linkage Between Aerosol Optical Depth (AOD) and Meteorological Drought over the Eastern Gangetic Plain of India. <i>Aerosol Science and Engineering</i> , 2021, 5, 440-450.	1.9	4
206	Spatial heterogeneity of aerosol induced rapid adjustments on precipitation response over India: a general circulation model study with ECHAM6-HAM2. <i>Climate Dynamics</i> , 0, , 1.	3.8	0
207	Seasonal variability in aeolian dust deposition fluxes and their mineralogical composition over the Northeastern Arabian Sea. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 7701-7714.	3.5	8
208	The impact of COVID-19 lockdown measures on the Indian summer monsoon. <i>Environmental Research Letters</i> , 2021, 16, 074054.	5.2	25
209	Vertical distributions and columnar properties of the aerosols during different seasons over Kattankulathur (12.82oN, 80.04oE): A semi-urban tropical coastal station. <i>Atmospheric Environment</i> , 2021, 256, 118457.	4.1	10
210	Cloud resolving simulation of extremely heavy rainfall event over Kerala in August 2018 – Sensitivity to microphysics and aerosol feedback. <i>Atmospheric Research</i> , 2021, 258, 105613.	4.1	12
211	Radiative and cloud microphysical effects of the Saharan dust simulated by the WRF-Chem model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 219, 105646.	1.6	13
212	Assessment of the simulated aerosol optical properties and regional meteorology using WRF-Chem model. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	5
213	Variability, predictability, and uncertainty in global aerosols inferred from gap-filled satellite observations and an econometric modeling approach. <i>Remote Sensing of Environment</i> , 2021, 261, 112501.	11.0	15
214	Genesis of a Severe Dust Storm Over the Indian Subcontinent: Dynamics and Impacts. <i>Earth and Space Science</i> , 2022, 9, e2021EA001702.	2.6	7
215	Study of Active and Break Spell Phenomena of Indian Summer Monsoon Using WRF Downscaled Data. <i>Pure and Applied Geophysics</i> , 2021, 178, 4195-4219.	1.9	6
216	Temporal evolution of aerosols and their extreme events in polluted Asian regions during Terra's 20-year observations. <i>Remote Sensing of Environment</i> , 2021, 263, 112541.	11.0	25
217	Seasonal simulations of summer aerosol optical depth over the Arabian Peninsula using WRF-Chem: Validation, climatology, and variability. <i>International Journal of Climatology</i> , 2022, 42, 2901-2922.	3.5	5
218	Evaluation of extreme dust storm over the northwest Indo-Gangetic plain using WRF-Chem model. <i>Natural Hazards</i> , 2022, 110, 1887-1910.	3.4	7

#	ARTICLE	IF	CITATIONS
219	Radiative Impacts of Aerosols During COVID-19 Lockdown Period Over the Indian Region. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	11
220	Precipitation processes over Indian region under different environmental conditions from in situ measurements. <i>Atmospheric Research</i> , 2021, 262, 105775.	4.1	3
221	Sources of atmospheric pollution in India. , 2022, , 1-37.		6
222	A Global Climatology of Dust Aerosols Based on Satellite Data: Spatial, Seasonal and Inter-Annual Patterns over the Period 2005â€“2019. <i>Remote Sensing</i> , 2021, 13, 359.	4.0	18
223	Importance of aerosol non-sphericity in estimating aerosol radiative forcing in Indo-Gangetic Basin. <i>Science of the Total Environment</i> , 2017, 599-600, 655-662.	8.0	11
224	Major Changes in Extreme Dust Events Dynamics Over the Arabian Peninsula During 2003â€“2017 Driven by Atmospheric Conditions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032931.	3.3	32
225	Simulated Impact of the Tibetan Glacier Expansion on the Eurasian Climate and Glacial Surface Mass Balance during the Last Glacial Maximum. <i>Journal of Climate</i> , 2020, 33, 6491-6509.	3.2	3
226	Dust Induced Changes in Ice Cloud and Cloud Radiative Forcing over a High Altitude Site. <i>Aerosol and Air Quality Research</i> , 2016, 16, 1820-1831.	2.1	11
227	Chemical Characterization of Fine Atmospheric Particles of Water-Soluble Ions and Carbonaceous Species in a Tropical Urban Atmosphere over the Eastern Indo-Gangetic Plain. <i>Aerosol and Air Quality Research</i> , 2019, 19, 129-147.	2.1	20
228	Aerosol-enhanced high precipitation events near the Himalayan foothills. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15389-15399.	4.9	24
233	Simulation of Indian Summer Monsoon Rainfall (ISMR) with fully coupled regional chemistry transport model: A case study for 2017. <i>Atmospheric Environment</i> , 2022, 268, 118785.	4.1	3
235	Monitoring and Assessment of Air Pollution. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 9-35.	0.5	1
236	Assessment of Recent Changes in Dust over South Asia Using RegCM4 Regional Climate Model. <i>Remote Sensing</i> , 2021, 13, 4309.	4.0	6
237	Atmospheric Aerosols and Trace Gases. , 2020, , 93-116.		3
238	Aerosol dipole pattern over India: consequences on rainfall and relation with wind circulations. <i>Acta Geophysica</i> , 2021, 69, 2475.	2.0	5
239	The Sub-Daily Variability of Aerosol Loading and Associated Radiative Forcing Over the Indian Region. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	0
240	Evaluation of Nine Operational Models in Forecasting Different Types of Synoptic Dust Events in the Middle East. <i>Geosciences (Switzerland)</i> , 2021, 11, 458.	2.2	14
241	Characteristic dissimilarities during high aerosol loading days between western and eastern Indo-Gangetic Plain. <i>Atmospheric Environment</i> , 2022, 269, 118837.	4.1	9

#	ARTICLE	IF	CITATIONS
242	Pathways of precipitation formation in different thermodynamic and aerosol environments over the Indian Peninsula. <i>Atmospheric Research</i> , 2022, 266, 105934.	4.1	3
243	Dynamics of dry air intrusion over India during summer monsoon breaks. <i>Climate Dynamics</i> , 2022, 59, 1649-1664.	3.8	1
244	Quantifying the impact of biomass burning and dust storm activities on aerosol characteristics over the Indo-Gangetic Basin. <i>Atmospheric Environment</i> , 2022, 270, 118893.	4.1	8
245	Dust storms in northern China and their significance for the concept of the Anthropocene. <i>Science China Earth Sciences</i> , 2022, 65, 921-933.	5.2	4
246	SCIENTIA SINICA Terrae, 2022, , .		
247	Roles of Atmospheric Aerosols in Extreme Meteorological Events: a Systematic Review. <i>Current Pollution Reports</i> , 2022, 8, 177-188.	6.6	10
248	CALiOP-Based Quantification of Central Asian Dust Transport. <i>Remote Sensing</i> , 2022, 14, 1416.	4.0	7
249	A global land aerosol fine-mode fraction dataset (2001–2020) retrieved from MODIS using hybrid physical and deep learning approaches. <i>Earth System Science Data</i> , 2022, 14, 1193-1213.	9.9	12
250	Aerosol distribution during spring and summer and its relationship with Inter-Annual variability of summer monsoon rainfall over Indian region. <i>Geocarto International</i> , 2022, 37, 11441-11455.	3.5	0
251	Arabian Sea Aerosol-Indian Summer Monsoon Rainfall relationship and its modulation by El-Nino Southern Oscillation. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	7
252	Black carbon-climate interactions regulate dust burdens over India revealed during COVID-19. <i>Nature Communications</i> , 2022, 13, 1839.	12.8	19
253	Investigation on the role of aerosols on precipitation enhancement over Kerala during August 2018. <i>Atmospheric Environment</i> , 2022, 279, 119101.	4.1	5
254	Aeolian Dust and Sea Salt in Marine Aerosols over the Arabian Sea during the Southwest Monsoon: Sources and Spatial Variability. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1044-1058.	2.7	12
255	Enhancement in free-tropospheric aerosol loading over India. <i>Atmospheric Environment</i> , 2022, 276, 119035.	4.1	2
256	Interannual crisscross pattern observed in South Asian monsoon rainfall and its relationship with aerosols. <i>Atmospheric Research</i> , 2022, 271, 106112.	4.1	1
257	Aerosol Characteristics and Their Impact on the Himalayan Energy Budget. <i>Sustainability</i> , 2022, 14, 179.	3.2	10
258	Is the Atlantic Ocean driving the recent variability in South Asian dust?. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17665-17685.	4.9	3
259	Variability of clouds over Southeast Tibetan Plateau: The roles of aerosols. <i>Chinese Science Bulletin</i> , 2023, 68, 532-545.	0.7	1

#	ARTICLE	IF	CITATIONS
260	Investigation of June 2020 giant Saharan dust storm using remote sensing observations and model reanalysis. <i>Scientific Reports</i> , 2022, 12, 6114.	3.3	13
266	Fast and Slow Responses of the Indian Summer Monsoon to the Direct Radiative Effect of West Asian Dust Aerosols. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	0
267	Zonal variations in the vertical distribution of atmospheric aerosols over the Indian region and the consequent radiative effects. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 6067-6085.	4.9	4
268	On the net primary productivity over the Arabian Sea due to the reduction in mineral dust deposition. <i>Scientific Reports</i> , 2022, 12, 7761.	3.3	5
269	Analysis of aerosol cloud interactions with a consistent signal of meteorology and other influencing parameters. <i>Atmospheric Research</i> , 2022, 275, 106241.	4.1	3
270	New estimates of aerosol radiative effects over India from surface and satellite observations. <i>Atmospheric Research</i> , 2022, 276, 106254.	4.1	7
271	Characterization of carbonaceous aerosols during the Indian summer monsoon over a rain-shadow region. <i>Air Quality, Atmosphere and Health</i> , 0, , .	3.3	0
272	Long-Term Trends in Black Carbon and Aerosol Optical Depth Over the Central Himalayas: Potential Causes and Implications. <i>Frontiers in Earth Science</i> , 0, 10, .	1.8	3
273	Impact of transported dust aerosols on precipitation over the Nepal Himalayas using convection-permitting WRF-Chem simulation. <i>Atmospheric Environment: X</i> , 2022, 15, 100179.	1.4	3
274	Three-dimensional nature of summertime aerosols over South Asia. <i>Science of the Total Environment</i> , 2022, 842, 156834.	8.0	6
275	Global Dust Cycle and Direct Radiative Effect in E3SM Version 1: Impact of Increasing Model Resolution. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	12
276	Vertical stratification of aerosols over South Asian cities. <i>Environmental Pollution</i> , 2022, 309, 119776.	7.5	5
277	Climate Change and Weather Extremes in the Eastern Mediterranean and Middle East. <i>Reviews of Geophysics</i> , 2022, 60, .	23.0	131
278	Sources, characteristics and climate impact of light-absorbing aerosols over the Tibetan Plateau. <i>Earth-Science Reviews</i> , 2022, 232, 104111.	9.1	18
279	Long-Term Variability of Aerosol Concentrations and Optical Properties over the Indo-Gangetic Plain in South Asia. <i>Atmosphere</i> , 2022, 13, 1266.	2.3	6
280	Abrupt emission reduction during COVID-19 intensified the spring 2020 rainfall over India. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	2
281	Response of Indian summer monsoon rainfall to remote carbonaceous aerosols at short time scales: Teleconnections and feedbacks. <i>Environmental Research</i> , 2022, 214, 113898.	7.5	3
282	Seasonal changes in East Asian monsoon-westerly circulation modulated by the snow-darkening effect of mineral dust. <i>Atmospheric Research</i> , 2022, 279, 106383.	4.1	0

#	ARTICLE	IF	CITATIONS
283	On the Existence of Summer <i>Shamal Wind</i> Induced by the Zagros Mountains in the Middle East. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
284	Influences of Spring Land Surface Thermal Anomalies over West Asia on Indian Early Summer Monsoon Activity and Its Pathway. <i>Journal of Climate</i> , 2022, 35, 6051-6074.	3.2	3
285	Transport of a severe dust storm from Middle East to Indian region and its impact on surrounding environment. <i>International Journal of Environmental Science and Technology</i> , 0, , .	3.5	0
286	Exacerbation of Indian Summer Monsoon Breaks by the Indirect Effect of Regional Dust Aerosols. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	0
287	Overview of aerosolâ€œcloud interactions over Indian summer monsoon region using remote sensing observations. , 2023, , 171-190.		0
288	Aerosol loading over the Northern Indian Ocean using space-borne measurements. , 2023, , 191-210.		0
289	Link between the Landâ€œSea Thermal Contrast and the Asian Summer Monsoon. <i>Journal of Climate</i> , 2023, 36, 213-225.	3.2	0
290	Current status of aerosol-cloud interactions and their impact over the Northern Indian Ocean: A comprehensive review. <i>Atmospheric Research</i> , 2023, 283, 106555.	4.1	2
291	Editorial: Atmospheric dust: How it affects climate, environment and life on Earth?. <i>Frontiers in Environmental Science</i> , 0, 10, .	3.3	1
292	Effects of Aerosol on Reference Crop Evapotranspiration: A Case Study in Henan Province, China. <i>Agronomy</i> , 2023, 13, 82.	3.0	0
293	Aerosol-heavy precipitation relationship within monsoonal regimes in the Western Himalayas. <i>Atmospheric Research</i> , 2023, 288, 106728.	4.1	2
294	Dust storm induced severe cooling in the northern Arabian Sea during winter 2022. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2023, 197, 104047.	1.4	1
295	Climatology, trend of aerosol-cloud parameters and their correlation over the Northern Indian Ocean. <i>Geoscience Frontiers</i> , 2023, 14, 101563.	8.4	4
297	Changes in extreme rainfall events in the recent decades and their linkage with atmospheric moisture transport. <i>Global and Planetary Change</i> , 2023, 221, 104047.	3.5	2
298	Identification of sources and sinks of atmospheric aerosols and their impact on east African rainfall. <i>Acta Geophysica</i> , 2023, 71, 1335-1346.	2.0	2
299	Observations on the decadal variability of aerosol in eastern Himalayan foothills: Evidence of an anthropologically induced positive shift. <i>Atmospheric Environment</i> , 2023, 299, 119638.	4.1	1
300	Changes in the dynamical, thermodynamical and hydrometeor characteristics prior to extreme rainfall events along the southwest coast of India in recent decades. <i>Atmospheric Research</i> , 2023, 289, 106752.	4.1	2
301	Long-term impacts of climate change on coastal and transitional eco-systems in India: an overview of its current status, future projections, solutions, and policies. <i>RSC Advances</i> , 2023, 13, 12204-12228.	3.6	13

#	ARTICLE	IF	CITATIONS
303	Impact of dust aerosols on the Indian Summer Monsoon Rainfall on intra-seasonal time-scale. Atmospheric Environment, 2023, 305, 119802.	4.1	2
304	Characteristics of elevated aerosol layer over the Indian east coast, Kattankulathur (12.82°N), Tj ETQq1 1 0.784314 rgBT /Overlock 107	3.6	2
305	Retrieval and validation of cloud condensation nuclei from satellite and airborne measurements over the Indian Monsoon region. Atmospheric Research, 2023, 290, 106802.	4.1	1
306	Manifestation of spatially varying demarcations in Indian rainfall trends through change-point analysis (1901–2020). Environmental Monitoring and Assessment, 2023, 195, .	2.7	1
307	Relationship Between the Aerosol Loadings Over the Bay of Bengal and the Arabian Sea in the Early Summer and Asian Monsoon Rainfall Anomalies, and the Role of SST Anomalies in the Indian Ocean. Journal of Geophysical Research D: Atmospheres, 2023, 128, .	3.3	0
308	From science to policy—Toward an approach linking extreme rainfall events to climate resilience and policy development: A case study from Kerala, India. Developments in Environmental Science, 2023, , 143-172.	0.5	0
309	Recent changes in atmospheric input and primary productivity in the north Indian Ocean. Heliyon, 2023, 9, e17940.	3.2	3
310	A satellite-observation based study on responses of clouds to aerosols over South Asia during IOD events of south-west monsoon season. Atmospheric Pollution Research, 2023, 14, 101861.	3.8	0
311	Forecasting of an unusual dust event over western India by the Air Quality Early Warning System. Atmospheric Environment, 2023, 311, 120013.	4.1	2
312	The Dichotomy of Wet and Dry Trends Over India by Aerosol Indirect Effects in CMIP5 Models. Earth's Future, 2023, 11, .	6.3	0
313	Changes in the mechanism of the South-Asian summer monsoon onset propagation induced by the pre-monsoon aerosol dust storm. Atmospheric Research, 2023, 294, 106980.	4.1	1
314	Impacts of Aerosol Orographic Precipitation Interaction Associated with Western Disturbances over India Using Satellite Observations. Water (Switzerland), 2023, 15, 2901.	2.7	1
315	Effects of atmospheric aerosols on heat stress over South Asia. , 2023, 2, 045007.		0
316	The effect of local pollution and transport dust on near surface aerosol properties over a semi-arid station from ground and satellite observations. Air Quality, Atmosphere and Health, 0, , .	3.3	0
317	Role of local absorbing aerosols in modulating Indian summer monsoon rainfall. Science of the Total Environment, 2024, 910, 168663.	8.0	1
318	Roles of tropical cyclones with varying intensities in the re-distribution of aerosols. Atmospheric Pollution Research, 2024, 15, 101990.	3.8	0
319	Formation and maintenance of monsoon inversion over the Arabian Sea. Theoretical and Applied Climatology, 2024, 155, 2841-2856.	2.8	0
320	Amplified drying in South Asian summer monsoon precipitation due to anthropogenic sulfate aerosols. Environmental Pollution, 2024, 343, 123175.	7.5	1

#	ARTICLE	IF	CITATIONS
321	Sources of atmospheric light-absorbing fine aerosols: Insights from optical source apportionment utilizing measurements made during COVID-19 lockdowns at a COALESCENCE network site - Bhopal, India. Atmospheric Environment, 2024, 321, 120343.	4.1	0
322	Impact of a severe dust storm on aerosol properties and their radiative forcing over the Indian subcontinent during winter. Atmospheric Research, 2024, 301, 107282.	4.1	0
323	Evaluation of CAS-ESM2 in simulating the spring dust activities in the Middle East. Atmospheric Research, 2024, 303, 107324.	4.1	0
324	Fast response of global monsoon area and precipitation to regional carbonaceous aerosols. Atmospheric Research, 2024, 304, 107354.	4.1	0