Modeling mineral dust emissions from Chinese and Mo

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Citation Report

#	Article	IF	CITATIONS
1	Speciation and sources of atmospheric aerosols in a highly industrialised emerging mega-city in Central China. Journal of Environmental Monitoring, 2006, 8, 1049-1059.	2.1	67
2	Assessment and monitoring of desertification using satellite imagery of MODIS in East Asia. , 2006, , .		5
3	Evidence of cyclic dust deposition in the US Great plains during the last deglaciation from the high-resolution analysis of the Peoria Loess in the Eustis sequence (Nebraska, USA). Earth and Planetary Science Letters, 2007, 262, 159-174.	4.4	25
4	Improvement and Application of the Similarity Saltation Model: Wind-Tunnel Experimental Investigation and Numerical Simulation of the Vertical Sand Mass Flux Distribution in the Saltation Layer. Boundary-Layer Meteorology, 2008, 127, 313-332.	2.3	3
5	Aeolian system responses to global change: challenges of scale, process and temporal integration. Earth Surface Processes and Landforms, 2008, 33, 1396-1418.	2.5	98
6	Modeling the Potential of the Northern China Forest Shelterbelt in Improving Hydroclimate Conditions ¹ . Journal of the American Water Resources Association, 2008, 44, 1176-1192.	2.4	42
7	Modeling mineral dust emissions from the Sahara desert using new surface properties and soil database. Journal of Geophysical Research, 2008, 113, .	3.3	197
8	Effects of grazing and topography on dust flux and deposition in the Xilingele grassland, Inner Mongolia. Journal of Arid Environments, 2008, 72, 792-807.	2.4	171
9	Surface wind accuracy for modeling mineral dust emissions: Comparing two regional models in a Bodélé case study. Geophysical Research Letters, 2008, 35, .	4.0	12
10	Control of Lunar and Martian Dust—Experimental Insights from Artificial and Natural Cyanobacterial and Algal Crusts in the Desert of Inner Mongolia, China. Astrobiology, 2008, 8, 75-86.	3.0	51
11	Heavy dust fall in Beijing, on April 16-17, 2006: Geochemical properties and indications of the dust provenance. Geochemical Journal, 2008, 42, 221-236.	1.0	30
12	An improvement on the dust emission scheme in the global aerosol-climate model ECHAM5-HAM. Atmospheric Chemistry and Physics, 2008, 8, 1105-1117.	4.9	63
13	Approaches to modelling land erodibility by wind. Progress in Physical Geography, 2009, 33, 587-613.	3.2	44
14	Prev'air: An Operational Forecasting and Mapping System for Air Quality in Europe. Bulletin of the American Meteorological Society, 2009, 90, 73-84.	3.3	122
15	Fuzzy modelâ€based assessment and monitoring of desertification using MODIS satellite imagery. Engineering Computations, 2009, 26, 745-760.	1.4	70
16	Evaluation of long-range transport and deposition of desert dust with the CTM MOCAGE. Tellus, Series B: Chemical and Physical Meteorology, 2022, 61, 449.	1.6	41
17	Dust storms: Recent developments. Journal of Environmental Management, 2009, 90, 89-94.	7.8	237
18	Sr isotopic and elemental characteristics of calcites in the Chinese deserts: Implications for eolian Sr transport and seawater Sr evolution. Geochimica Et Cosmochimica Acta, 2009, 73, 5600-5618.	3.9	34

#	Article	IF	CITATIONS
19	Imprint of North-Atlantic abrupt climate changes on western European loess deposits as viewed in a dust emission model. Quaternary Science Reviews, 2009, 28, 2851-2866.	3.0	61
20	Dust deposition to the East China Sea and its biogeochemical implications. Journal of Geophysical Research, 2009, 114, .	3.3	58
21	Development of a physically based dust emission module within the Weather Research and Forecasting (WRF) model: Assessment of dust emission parameterizations and input parameters for source regions in Central and East Asia. Journal of Geophysical Research, 2009, 114, .	3.3	156
22	Atmospheric soluble dust records from a Tibetan ice core: Possible climate proxies and teleconnection with the Pacific Decadal Oscillation. Journal of Geophysical Research, 2009, 114, .	3.3	31
23	Development of a dust source database for mesoscale forecasting in southwest Asia. Journal of Geophysical Research, 2009, 114, .	3.3	68
24	Modelling mineral dust emissions. IOP Conference Series: Earth and Environmental Science, 2009, 7, 012006.	0.3	5
25	Characteristics and source of black carbon aerosol over Taklimakan Desert. Science China Chemistry, 2010, 53, 1202-1209.	8.2	8
26	Provenances of atmospheric dust over Korea from Sr–Nd isotopes and rare earth elements in early 2006. Atmospheric Environment, 2010, 44, 2401-2414.	4.1	45
27	Source, route and effect of Asian sand dust on environment and the oceans. Particuology, 2010, 8, 319-324.	3.6	29
28	A model study of Saharan dust emissions and distributions during the SAMUMâ€1 campaign. Journal of Geophysical Research, 2010, 115, .	3.3	33
29	Anthropogenic air pollution observed near dust source regions in northwestern China during springtime 2008. Journal of Geophysical Research, 2010, 115, .	3.3	27
30	Asian Dust Transport in China: A Palaeoclimate and Modeling Study. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
31	Parameterization of size-resolved dust emission and validation with measurements. Journal of Geophysical Research, 2011, 116, .	3.3	165
32	AEOLIAN PROCESSES AND THE BIOSPHERE. Reviews of Geophysics, 2011, 49, .	23.0	230
33	Atmospheric dust modeling from meso to global scales with the online NMMB/BSC-Dust model – Part 1: Model description, annual simulations and evaluation. Atmospheric Chemistry and Physics, 2011, 11, 13001-13027.	4.9	198
34	Saharan and Asian dust: similarities and differences determined by CALIPSO, AERONET, and a coupled climate-aerosol microphysical model. Atmospheric Chemistry and Physics, 2011, 11, 3263-3280.	4.9	76
35	Recent progress in understanding physical and chemical properties of African and Asian mineral dust. Atmospheric Chemistry and Physics, 2011, 11, 8231-8256.	4.9	367
36	Model study of atmospheric particulates during dust storm period in March 2010 over East Asia. Atmospheric Environment, 2011, 45, 3954-3964.	4.1	54

#	Article	IF	CITATIONS
37	Simulated variations of eolian dust from inner Asian deserts at the mid-Pliocene, last glacial maximum, and present day: contributions from the regional tectonic uplift and global climate change. Climate Dynamics, 2011, 37, 2289-2301.	3.8	45
39	Response of surface processes to climatic change in the dunefields and Loess Plateau of North China during the late Quaternary. Earth Surface Processes and Landforms, 2011, 36, 1590-1603.	2.5	67
40	Comparison of satellite microwave backscattering (ASCAT) and visible/near-infrared reflectances (PARASOL) for the estimation of aeolian aerodynamic roughness length in arid and semi-arid regions. Atmospheric Measurement Techniques, 2012, 5, 2703-2712.	3.1	38
42	Implementation of dust emission and chemistry into the Community Multiscale Air Quality modeling system and initial application to an Asian dust storm episode. Atmospheric Chemistry and Physics, 2012, 12, 10209-10237.	4.9	104
43	Parameterization of dust emissions in the global atmospheric chemistry-climate model EMAC: impact of nudging and soil properties. Atmospheric Chemistry and Physics, 2012, 12, 11057-11083.	4.9	77
44	The global aerosol-climate model ECHAM-HAM, version 2: sensitivity to improvements in process representations. Atmospheric Chemistry and Physics, 2012, 12, 8911-8949.	4.9	319
45	Asian dust storm observed at a rural mountain site in southern China: chemical evolution and heterogeneous photochemistry. Atmospheric Chemistry and Physics, 2012, 12, 11985-11995.	4.9	44
46	Single-Particle SEM-EDX Analysis of Iron-Containing Coarse Particulate Matter in an Urban Environment: Sources and Distribution of Iron within Cleveland, Ohio. Environmental Science & Technology, 2012, 46, 4331-4339.	10.0	119
47	Impact of vegetation and soil moisture seasonal dynamics on dust emissions over the Sahel. Journal of Geophysical Research, 2012, 117, .	3.3	33
48	Mineral dust aerosols over the Sahara: Meteorological controls on emission and transport and implications for modeling. Reviews of Geophysics, 2012, 50, .	23.0	269
49	An air quality forecasting system in Beijing - Application to the study of dust storm events in China in May 2008. Journal of Environmental Sciences, 2012, 24, 102-111.	6.1	13
50	A super Asian dust storm over the East and South China Seas: Disproportionate dust deposition. Journal of Geophysical Research D: Atmospheres, 2013, 118, 7169-7181.	3.3	36
51	A-Train satellite measurements of dust aerosol distributions over northern China. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 122, 170-179.	2.3	20
52	11.5 Fundamentals of Aeolian Sediment Transport: Long-Range Transport of Dust. , 2013, , 64-84.		5
53	Temporal and spatial characteristics of dust storms in the Xilingol grassland, northern China, during 1954–2007. Regional Environmental Change, 2013, 13, 43-52.	2.9	18
54	Use of satellite data for air quality applications in northern China. , 2013, , .		0
55	Modeling a typical winter-time dust event over the Arabian Peninsula and the Red Sea. Atmospheric Chemistry and Physics, 2013, 13, 1999-2014.	4.9	88
56	Potential dust emissions from the southern Kalahari's dunelands. Journal of Geophysical Research F: Earth Surface, 2013, 118, 307-314.	2.8	28

#	Article	IF	CITATIONS
57	Numerical simulations of dust fluxes to the eastern Qinghaiâ€Tibetan Plateau: Comparison of model results with a Holocene peat record of dust deposition. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4597-4609.	3.3	8
58	Convective turbulent dust emission (CTDE) observed over Horqin Sandy Land area and validation of a CTDE scheme. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9980-9992.	3.3	23
59	Comparing drag partition schemes over a herbaceous Sahelian rangeland. Journal of Geophysical Research F: Earth Surface, 2014, 119, 2291-2313.	2.8	17
60	Linking coarse silt production in Asian sand deserts and Quaternary accretion of the Chinese Loess Plateau. Geology, 2014, 42, 23-26.	4.4	39
61	Meteorological Aspects of Dust Storms. , 2014, , 121-147.		28
63	Comparison of the Synoptic Environments Conducive to Eastward versus Southeastward Transport of Asian Dust Events. Advances in Meteorology, 2014, 2014, 1-13.	1.6	2
64	Modeling wind erosion flux and its seasonality from a cultivated sahelian surface: A case study in Niger. Catena, 2014, 122, 61-71.	5.0	27
65	Mineral Dust. , 2014, , .		123
66	Magnetic properties of airborne particulate matter in Shanghai during dust storm events and the implications for heavy metal contaminant sources. Environmental Earth Sciences, 2014, 72, 4167-4178.	2.7	8
67	External supply of dust in the Taklamakan sand sea, Northwest China, reveals the dust-forming processes of the modern sand sea surface. Catena, 2014, 119, 104-115.	5.0	4
68	Quantitative analysis on windblown dust concentrations of PM10 (PM2.5) during dust events in Mongolia. Aeolian Research, 2014, 14, 3-13.	2.7	39
69	Evolution of aerosol chemistry in Xi'an, inland China, during the dust storm period of 2013 – Part 1: Sources, chemical forms and formation mechanisms of nitrate and sulfate. Atmospheric Chemistry and Physics, 2014, 14, 11571-11585.	4.9	49
70	Seasonal dynamics of threshold friction velocity and dust emission in Central Asia. Journal of Geophysical Research D: Atmospheres, 2015, 120, 1536-1564.	3.3	65
71	Clayâ€sized Hfâ€Ndâ€Sr isotopic composition of Mongolian dust as a fingerprint for regional to hemispherical transport. Geophysical Research Letters, 2015, 42, 5661-5669.	4.0	53
72	Threeâ€dimensional distribution of a major desert dust outbreak over East Asia in March 2008 derived from IASI satellite observations. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7099-7127.	3.3	34
73	Dust interannual variability and trend in Central Asia from 2000 to 2014 and their climatic linkages. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12,175.	3.3	51
74	Quiescence of Asian dust events in South Korea and Japan during 2012 spring: Dust outbreaks and transports. Atmospheric Environment, 2015, 114, 92-101.	4.1	30
75	Testing the performance of state-of-the-art dust emission schemes using DO4Models field data. Geoscientific Model Development, 2015, 8, 341-362.	3.6	34

#	Article	IF	CITATIONS
76	Modelling of primary aerosols in the chemical transport model MOCAGE: development and evaluation of aerosol physical parameterizations. Geoscientific Model Development, 2015, 8, 381-408.	3.6	38
77	A multidisciplinary approach to trace Asian dust storms from source to sink. Atmospheric Environment, 2015, 105, 43-52.	4.1	33
78	Identification of Dust Hot Spots from Multi-Resolution Remotely Sensed Data in Eastern China and Mongolia. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	10
79	Comparison of the mixing state of long-range transported Asian and African mineral dust. Atmospheric Environment, 2015, 115, 19-25.	4.1	62
80	Aerosol data assimilation in the chemical transport model MOCAGE during the TRAQA/ChArMEx campaign: aerosol optical depth. Atmospheric Measurement Techniques, 2016, 9, 5535-5554.	3.1	27
81	Increasing aeolian dust deposition to snowpacks in the Rocky Mountains inferred from snowpack, wet deposition, and aerosol chemistry. Atmospheric Environment, 2016, 146, 183-194.	4.1	50
82	Relationships between soil moisture and dust emissions in a bare sandy soil of Mongolia. Particuology, 2016, 28, 131-137.	3.6	41
83	Interactions of Water with Mineral Dust Aerosol: Water Adsorption, Hygroscopicity, Cloud Condensation, and Ice Nucleation. Chemical Reviews, 2016, 116, 4205-4259.	47.7	296
84	Implications of surface properties for dust emission from gravel deserts (gobis) in the Hexi Corridor. Geoderma, 2016, 268, 69-77.	5.1	44
85	Identification of a late Quaternary alluvial–aeolian sedimentary sequence in the Sichuan Basin, China. Quaternary Research, 2016, 85, 279-289.	1.7	3
86	Extreme aridification since the beginning of the Pliocene in the Tarim Basin, western China. Palaeogeography, Palaeoclimatology, Palaeoecology, 2017, 485, 189-200.	2.3	57
87	Characteristics and origins of air pollutants in Wuhan, China, based on observations and hybrid receptor models. Journal of the Air and Waste Management Association, 2017, 67, 739-753.	1.9	33
88	Gas–particle phase partitioning and particle size distribution of chlorinated and brominated polycyclic aromatic hydrocarbons in haze. Environmental Pollution, 2017, 231, 1601-1608.	7.5	39
89	The effect of mineral dust transport on PM10 concentrations and physical properties in Istanbul during 2007–2014. Atmospheric Research, 2017, 197, 342-355.	4.1	25
90	An Investigation into the Processes and Quantity of Dust Emissions over Gravel and Sand Deserts in North-Western China. Boundary-Layer Meteorology, 2017, 163, 523-535.	2.3	12
91	Transport of East Asian dust storms to the marginal seas of China and the southern North Pacific in spring 2010. Atmospheric Environment, 2017, 148, 316-328.	4.1	57
92	Variation of strong dust storm events in Northern China during 1978–2007. Atmospheric Research, 2017, 183, 166-172.	4.1	58
93	Development and evaluation of a physicsâ€based windblown dust emission scheme implemented in the <scp>C</scp> MAQ modeling system. Journal of Advances in Modeling Earth Systems, 2017, 9, 585-608.	3.8	60

#	Article	IF	CITATIONS
94	Developing a Dust Emission Procedure for Central Asia. Air, Soil and Water Research, 2017, 10, 117862211771193.	2.5	8
96	Identification of atmospheric transport and dispersion of Asian dust storms. Natural Hazards and Earth System Sciences, 2017, 17, 1425-1435.	3.6	9
97	Eurasian contribution to the last glacial dust cycle: how are loess sequences built?. Climate of the Past, 2017, 13, 1181-1197.	3.4	25
98	Comparison of two different dust emission mechanisms over the Horqin Sandy Land area: Aerosols contribution and size distributions. Atmospheric Environment, 2018, 176, 82-90.	4.1	14
99	Testing the autoâ€abrasion hypothesis for dust production using diatomite dune sediments from the Bodélé Depression in Chad. Sedimentology, 2018, 65, 1322-1330.	3.1	13
100	WRFâ€Chem Simulation of an East Asian Dustâ€Infused Baroclinic Storm (DIBS). Journal of Geophysical Research D: Atmospheres, 2018, 123, 6880-6895.	3.3	8
102	Difference in wind erosion characteristics between loamy and sandy farmlands and the implications for soil dust emission potential. Land Degradation and Development, 2018, 29, 4362-4372.	3.9	7
103	Simulation of Severe Dust Events over Egypt Using Tuned Dust Schemes in Weather Research Forecast (WRF-Chem). Atmosphere, 2018, 9, 246.	2.3	18
104	How reliable are CMIP5 models in simulating dust optical depth?. Atmospheric Chemistry and Physics, 2018, 18, 12491-12510.	4.9	70
105	Transport of Mineral Dust and Its Impact on Climate. Geosciences (Switzerland), 2018, 8, 151.	2.2	123
106	Characterizing Sand and Dust Storms (SDS) Intensity in China Based on Meteorological Data. Sustainability, 2018, 10, 2372.	3.2	15
107	Parameterization of dust flux emitted by convective turbulent dust emission (CTDE) over the Horqin Sandy Land area. Atmospheric Environment, 2018, 187, 62-69.	4.1	5
108	Application of satellite observations in conjunction with aerosol reanalysis to characterize long-range transport of African and Asian dust on air quality in the contiguous U.S Atmospheric Environment, 2018, 187, 174-195.	4.1	24
109	Spatial variation of topsoil features in soil wind erosion areas of northern China. Catena, 2018, 167, 429-439.	5.0	42
110	Modeling natural dust emissions in the central Middle East: Parameterizations and sensitivity. Atmospheric Environment, 2018, 190, 294-307.	4.1	24
111	Global Ramifications of Dust and Sandstorm Microbiota. Genome Biology and Evolution, 2018, 10, 1970-1987.	2.5	44
112	Analysis of Dust Aerosol Retrievals Using Satellite Data in Central Asia. Atmosphere, 2018, 9, 288.	2.3	23
113	Tracing the dune activation of Badain Jaran Desert and Tengger Desert by using near infrared spectroscopy, 2019, 27, 370-378.	1.5	2

#	Article	IF	CITATIONS
114	Construction cleared land impact on air quality deterioration: quantification of soil borne dustfall and suspended particulate generation. MATEC Web of Conferences, 2019, 258, 01016.	0.2	1
115	lce nucleation activity of silicates and aluminosilicates in pure water and aqueous solutions – Part 2: Quartz and amorphous silica. Atmospheric Chemistry and Physics, 2019, 19, 6035-6058.	4.9	37
116	Simulating Performance of CHIMERE on a Late Autumnal Dust Storm over Northern China. Sustainability, 2019, 11, 1074.	3.2	5
117	Contribution of dust in northern China to PM10 concentrations over the Hexi corridor. Science of the Total Environment, 2019, 660, 947-958.	8.0	37
118	Influence of polluted dust on chlorophyll-a concentration and particulate organic carbon in the subarctic North Pacific Ocean based on satellite observation and the WRF-Chem simulation. Atmospheric Research, 2020, 236, 104812.	4.1	10
119	Using composite fingerprints to quantify the potential dust source contributions in northwest China. Science of the Total Environment, 2020, 742, 140560.	8.0	30
120	Air Quality Degradation by Mineral Dust over Beijing, Chengdu and Shanghai Chinese Megacities. Atmosphere, 2020, 11, 708.	2.3	11
121	Dust Emission Thresholds in Loess Soil Under Different Saltation Fluxes. Applied Sciences (Switzerland), 2020, 10, 5949.	2.5	4
122	Identification and quantitative analysis of dust trajectories in the Hexi Corridor. Agricultural and Forest Meteorology, 2020, 291, 107987.	4.8	5
123	Satellite ASTER Mineral Mapping the Provenance of the Loess Used by the Ming to Build their Earthen Great Wall. Remote Sensing, 2020, 12, 270.	4.0	4
124	Investigation of the "dust reservoir effect―of the Tarim Basin using WRF-GOCART model. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	1
125	Full particle size distribution characteristics of land surface sediment and their effect on wind erosion resistance in arid and semiarid regions of Northwest China. Geomorphology, 2021, 372, 107458.	2.6	8
126	Revisiting clayâ€sized mineral and elemental records of the silicate weathering history in the northern Tibetan Plateau during the late Cenozoic: The role of aeolian dust. Terra Nova, 2021, 33, 252-261.	2.1	6
127	Variations in Frequency and Intensity of Dust Events Crossing the Mongolia–China Border. Scientific Online Letters on the Atmosphere, 2021, 17, 145-150.	1.4	14
128	Gravel-Desert Surface Properties and Their Influences on the Wind-Erosion Threshold Friction Velocity in North-West China. Boundary-Layer Meteorology, 2021, 179, 117-131.	2.3	3
129	Dust Atmospheric Transport Over Long Distances. , 2022, , 259-300.		2
130	How dusty was the last glacial maximum over Europe?. Quaternary Science Reviews, 2021, 254, 106775.	3.0	11
131	Comparison of dust emission ability of sand desert, gravel desert (Gobi), and farmland in northern China. Catena, 2021, 201, 105215.	5.0	15

#	Article	IF	CITATIONS
132	Evaluation of natural aerosols in CRESCENDO Earth system models (ESMs): mineral dust. Atmospheric Chemistry and Physics, 2021, 21, 10295-10335.	4.9	20
133	Integrated modelling for mapping spatial sources of dust in central Asia - An important dust source in the global atmospheric system. Atmospheric Pollution Research, 2021, 12, 101173.	3.8	31
134	Sediment transport characteristics above a gobi surface in northwestern China, and implications for aeolian environments. Aeolian Research, 2021, 53, 100745.	2.7	10
135	Characteristics of the severe March 2021 Gobi Desert dust storm and its impact on air pollution in China. Chemosphere, 2022, 287, 132219.	8.2	62
136	On Composition, Morphology, and Size Distribution of Airborne Mineral Dust. , 2014, , 15-49.		21
137	Dust Production Mechanisms. , 2014, , 93-120.		17
138	Numerical Dust Models. , 2014, , 201-222.		7
139	Soil-Borne Particles and Their Impact on Environment and Human Health. , 2018, , 99-177.		6
140	Contributions of ecological programs to vegetation restoration in arid and semiarid China. Environmental Research Letters, 2020, 15, 114046.	5.2	47
141	Numerical Studies on a Severe Dust Storm in East Asia Using WRF-Chem. Atmospheric and Climate Sciences, 2017, 07, 92-116.	0.3	2
142	Simulation and Evaluation of Dust Emission with Polair3D-SIREAM Model over West Africa Focused on Ouagadougou (Burkina Faso). Journal of Environmental Protection, 2019, 10, 80-102.	0.7	3
143	Dependency of particle size distribution at dust emission on friction velocity and atmospheric boundary-layer stability. Atmospheric Chemistry and Physics, 2020, 20, 12939-12953.	4.9	28
155	SPATIOTEMPORAL MODELLING OF DUST STORM SOURCES EMISSION IN WEST ASIA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-1/W3, 235-239.	0.2	0
156	The Distribution of Aerosol Concentration during the Asian Dust Period over Busan Area, Korea in Spring 2009. Journal of the Korean Earth Science Society, 2013, 34, 693-710.	0.2	1
158	Dust aerosol emission on the desertified area. , 2020, , .		3
159	Potential links of gobi, dust, and desertification: A comprehensive understanding from aeolian landform evolution in a middle-latitude desert. Sedimentary Geology, 2022, 428, 106049.	2.1	9
160	Evaluation of dust production efficiencies in sandy sediments. Earth Surface Processes and Landforms, 2022, 47, 1229-1237.	2.5	1
161	Where and How Often Does Rain Prevent Dust Emission?. Geophysical Research Letters, 2022, 49, .	4.0	4

#	Article	IF	CITATIONS
162	Not all gravel deserts in northern China are sources of regionally deposited dust. Atmospheric Environment, 2022, 273, 118984.	4.1	5
163	Gypsum formation from calcite in the atmosphere recorded in aerosol particles transported and trapped in Greenland ice core sample is a signature of secular change of SO2 emission in East Asia. Atmospheric Environment, 2022, 278, 119061.	4.1	3
164	Aeolian sediment transport rates in the middle reaches of the Yarlung Zangbo River, Tibet Plateau. Science of the Total Environment, 2022, 826, 154238.	8.0	7
165	High-frequency observation during sand and dust storms at the Qingtu Lake Observatory. Earth System Science Data, 2021, 13, 5819-5830.	9.9	1
166	Improved Parameterization for the Size Distribution of Emitted Dust Aerosols Reduces Model Underestimation of Super Coarse Dust. Geophysical Research Letters, 2022, 49, .	4.0	13
167	Investigation of the influence of mineral dust on airborne particulate matter during the COVID-19 epidemic in spring 2020 over China. Atmospheric Pollution Research, 2022, 13, 101424.	3.8	6
168	Infusing satellite data into aerosol forecast for near real-time episode detection and diagnosis in East Asia. Science of the Total Environment, 2023, 856, 158797.	8.0	2
169	Grain-size composition of the surface sediments in Chinese deserts and the associated dust emission. Catena, 2022, 219, 106615.	5.0	7
170	Soil Dust Emissions. , 2022, , 51-77.		3
171	Reorganization of Asian climate in relation to Tibetan Plateau uplift. Nature Reviews Earth & Environment, 2022, 3, 684-700.	29.7	64
172	Modeling a severe wintertime Asian dust event observed in the East Asia region: Sensitivity of the WRF-Chem dust emission schemes. Atmospheric Pollution Research, 2022, 13, 101599.	3.8	2
173	Dust emission and potential diffusion process in Mongolia. Land Degradation and Development, 0, , .	3.9	2
174	The Transport Path and Vertical Structure of Dust Storms in East Asia and the Impacts on Cities in Northern China. Remote Sensing, 2023, 15, 3183.	4.0	0
174 175	The Transport Path and Vertical Structure of Dust Storms in East Asia and the Impacts on Cities in Northern China. Remote Sensing, 2023, 15, 3183. Summer Extreme Dust Activity in the Taklimakan Desert Regulated by the South Asian High. Remote Sensing, 2023, 15, 2875.	4. 0	0
174 175 176	The Transport Path and Vertical Structure of Dust Storms in East Asia and the Impacts on Cities in Northern China. Remote Sensing, 2023, 15, 3183. Summer Extreme Dust Activity in the Taklimakan Desert Regulated by the South Asian High. Remote Sensing, 2023, 15, 2875. Long-term variations in spatiotemporal clustering characteristics of dust events in potential dust sources in East Asia. Catena, 2023, 232, 107397.	4.0 4.0 5.0	0 1 1
174 175 176 178	The Transport Path and Vertical Structure of Dust Storms in East Asia and the Impacts on Cities in Northern China. Remote Sensing, 2023, 15, 3183. Summer Extreme Dust Activity in the Taklimakan Desert Regulated by the South Asian High. Remote Sensing, 2023, 15, 2875. Long-term variations in spatiotemporal clustering characteristics of dust events in potential dust sources in East Asia. Catena, 2023, 232, 107397. Three-Dimensional Distribution and Transport Features of Dust and Polluted Dust over China and Surrounding Areas from CALIPSO. Remote Sensing, 2023, 15, 5734.	4.0 4.0 5.0 4.0	0 1 1 0
174 175 176 178 179	The Transport Path and Vertical Structure of Dust Storms in East Asia and the Impacts on Cities in Northern China. Remote Sensing, 2023, 15, 3183. Summer Extreme Dust Activity in the Taklimakan Desert Regulated by the South Asian High. Remote Sensing, 2023, 15, 2875. Long-term variations in spatiotemporal clustering characteristics of dust events in potential dust sources in East Asia. Catena, 2023, 232, 107397. Three-Dimensional Distribution and Transport Features of Dust and Polluted Dust over China and Surrounding Areas from CALIPSO. Remote Sensing, 2023, 15, 5734. Sensitivity Study of Daily Dust Forecast over the Mena Region Using the RegCM4.4 Model., 0, , .	4.0 4.0 5.0 4.0	0 1 1 0 0