

Analysis of dust storms observed in Mongolia during 19

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sources of Asian dust and role of climate change versus desertification in Asian dust emission. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	425
2	Identification and characterization of sources of atmospheric mineral dust in East Asia. <i>Atmospheric Environment</i> , 2004, 38, 6239-6252.	4.1	105
3	Chemical composition of atmospheric aerosols from Zhenbeitai, China, and Gosan, South Korea, during ACE-Asia. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	152
4	The transport pathways and sources of PM10 pollution in Beijing during spring 2001, 2002 and 2003. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	72
5	Analyses of the spring dust storm frequency of northern China in relation to antecedent and concurrent wind, precipitation, vegetation, and soil moisture conditions. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	166
6	Total Ozone Mapping Spectrometer (TOMS) observations of increases in Asian aerosol in winter from 1979 to 2000. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	114
7	The utility of Hayashi's quantification theory for assessment of land surface indices in influence of dust storms: a case study in Inner Mongolia, China. <i>Atmospheric Environment</i> , 2005, 39, 119-126.	4.1	9
8	Regional characteristics of three kinds of dust storm events in China. <i>Atmospheric Environment</i> , 2005, 39, 509-520.	4.1	196
9	Characteristics of PM10, SO2, NOx and O3 in ambient air during the dust storm period in Beijing. <i>Science of the Total Environment</i> , 2005, 345, 153-164.	8.0	92
10	Temporal variations of sandstorms in Minqin oasis during 1954-2000. <i>Environmental Geology</i> , 2005, 49, 332-338.	1.2	21
11	Climatic and Environmental Changes in the Source Areas of Dust Storms in Xinjiang, China, during the Last 50 Years. <i>Water, Air and Soil Pollution</i> , 2005, 5, 207-216.	0.8	5
12	Characteristics of air pollution in Beijing during sand-dust storm periods. <i>Water, Air and Soil Pollution</i> , 2005, 5, 217-229.	0.8	14
13	Size Distribution of Trace Elements and Major Ions in the Eastern Mediterranean Atmosphere. <i>Water, Air, and Soil Pollution</i> , 2005, 167, 221-241.	2.4	28
14	Preliminary Simulation Research of Direct Radiative Forcing of Mineral Dust Aerosol Over East Asia Region. <i>Chinese Journal of Geophysics</i> , 2005, 48, 1336-1347.	0.2	7
15	Dust weather records in Beijing during 1860-1898 AD based on the Diary of Tonghe Weng. <i>Atmospheric Environment</i> , 2005, 39, 3943-3946.	4.1	9
16	Simulation of the mineral dust emission frequencies from desert areas of China and Mongolia using an aerodynamic roughness length map derived from the POLDER/ADEOS 1 surface products. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	111
17	A Simulated Climatology of Asian Dust Aerosol and Its Trans-Pacific Transport. Part II: Interannual Variability and Climate Connections. <i>Journal of Climate</i> , 2006, 19, 104-122.	3.2	122
18	Control of dust emissions by geomorphic conditions, wind environments and land use in northern China: An examination based on dust storm frequency from 1960 to 2003. <i>Geomorphology</i> , 2006, 81, 292-308.	2.6	88

#	ARTICLE	IF	CITATIONS
19	The relative role of climatic and human factors in desertification in semiarid China. <i>Global Environmental Change</i> , 2006, 16, 48-57.	7.8	187
20	An intercomparison of four wet deposition schemes used in dust transport modeling. <i>Global and Planetary Change</i> , 2006, 52, 248-260.	3.5	21
21	The characteristics of Asian dust events in Northeast Asia during the springtime from 1993 to 2004. <i>Global and Planetary Change</i> , 2006, 52, 231-247.	3.5	93
22	A review on East Asian dust storm climate, modelling and monitoring. <i>Global and Planetary Change</i> , 2006, 52, 1-22.	3.5	395
23	Modeling mineral dust emissions from Chinese and Mongolian deserts. <i>Global and Planetary Change</i> , 2006, 52, 121-141.	3.5	180
24	Characterization of Asian Dust during ACE-Asia. <i>Global and Planetary Change</i> , 2006, 52, 23-56.	3.5	190
25	Charcoal records of fire history in the Holocene loess "soil sequences over the southern Loess Plateau of China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 239, 28-44.	2.3	99
26	A Simulated Climatology of Asian Dust Aerosol and Its Trans-Pacific Transport. Part I: Mean Climate and Validation. <i>Journal of Climate</i> , 2006, 19, 88-103.	3.2	158
27	Dragon Dust: Atmospheric Science and Cooperation on Desertification in the Asia and Pacific Region. <i>Journal of East Asian Studies</i> , 2006, 6, 433-461.	0.6	4
28	Aerosol characteristics from the Taiwan aerosol supersite in the Asian yellow-dust periods of 2002. <i>Atmospheric Environment</i> , 2006, 40, 3409-3418.	4.1	56
29	Observation on soil water content and wind speed in Erlanhot, a dust-source area in northern China. <i>Atmospheric Environment</i> , 2006, 40, 5298-5303.	4.1	13
30	Characterization of Asian dust storm and non-Asian dust storm PM _{2.5} aerosol in southern Taiwan. <i>Atmospheric Environment</i> , 2006, 40, 4734-4750.	4.1	51
32	Microwave attenuation due to dust and sand storm in earth-satellite link. , 2007, , .		4
33	Assessment of potential long-range transport of particulate air pollution using trajectory modeling and monitoring data. <i>Atmospheric Research</i> , 2007, 85, 3-17.	4.1	66
34	Ground-surface conditions of sand-dust event occurrences in the southern Junggar Basin of Xinjiang, China. <i>Journal of Arid Environments</i> , 2007, 70, 49-62.	2.4	25
35	The logarithm-linear relationship of the occurrence frequency to the duration of sand "dust storms: Evidence from observational data in China. <i>Journal of Arid Environments</i> , 2007, 71, 243-249.	2.4	7
36	Threshold wind speed for dust emission in east Asia and its seasonal variations. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	102
37	Original and secondary high-frequency sandstorm zones in the loess plateau region, china. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2007, 89, 121-127.	1.5	5

#	ARTICLE	IF	CITATIONS
38	Distinguishing the sources of Asian dust based on electron spin resonance signal intensity and crystallinity of quartz. <i>Atmospheric Environment</i> , 2007, 41, 8537-8548.	4.1	63
39	Estimation of wind erosion rates by using ¹³⁷ Cs tracing technique: A case study in Tariat-Xilin Gol transect, Mongolian Plateau. <i>Science Bulletin</i> , 2008, 53, 751-758.	1.7	27
40	Using ¹³⁷ Cs tracing technique to estimate wind erosion rates in the typical steppe region, northern Mongolian Plateau. <i>Science Bulletin</i> , 2008, 53, 1423-1430.	9.0	21
41	The trend of sand flux and the meteorology elements changes in the near-surface layer of Tengger desert in the spring of 2006. <i>Science Bulletin</i> , 2008, 53, 3346-3353.	9.0	4
42	Shifts of dust source regions over central Asia and the Tibetan Plateau: Connections with the Arctic oscillation and the westerly jet. <i>Atmospheric Environment</i> , 2008, 42, 2358-2368.	4.1	68
43	Transport routes and source regions of Asian dust observed in Korea during the past 40 years (1965-2004). <i>Atmospheric Environment</i> , 2008, 42, 4778-4789.	4.1	116
44	The properties of dust aerosol and reducing tendency of the dust storms in northwest China. <i>Atmospheric Environment</i> , 2008, 42, 5896-5904.	4.1	36
45	Characterizing the transport pathways of Asian dust. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	44
46	A height resolved global view of dust aerosols from the first year CALIPSO lidar measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	225
47	Dust sources in arid and semiarid China and southern Mongolia: Impacts of geomorphological setting and surface materials. <i>Geomorphology</i> , 2008, 97, 583-600.	2.6	98
48	Contributions of sandy lands and stony deserts to long-distance dust emission in China and Mongolia during 2000-2006. <i>Global and Planetary Change</i> , 2008, 60, 487-504.	3.5	113
49	Long-range transport and vertical structure of Asian dust from CALIPSO and surface measurements during PACDEX. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	324
50	Spatial-temporal pattern of GIMMS NDVI and its dynamics in Mongolian Plateau. , 2008, , .		6
51	Monitoring the source of trans-national dust storms in north east Asia. <i>International Journal of Digital Earth</i> , 2008, 1, 119-129.	3.9	40
53	An improvement on the dust emission scheme in the global aerosol-climate model ECHAM5-HAM. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1105-1117.	4.9	63
54	Asian dust storm influence on North American ambient PM levels: observational evidence and controlling factors. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2717-2728.	4.9	68
55	Surface observation of sand and dust storm in East Asia and its application in CUACE/Dust. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 545-553.	4.9	87
56	Wind modeling of Chihuahuan Desert dust outbreaks. <i>Atmospheric Environment</i> , 2009, 43, 347-354.	4.1	54

#	ARTICLE	IF	CITATIONS
57	NDVI spatial pattern and its differentiation on the Mongolian Plateau. <i>Journal of Chinese Geography</i> , 2009, 19, 403-415.	3.9	50
58	Surface-Level Fine Particle Mass Concentrations: From Hemispheric Distributions to Megacity Sources. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 770-789.	1.9	18
59	Relationships among dust outbreaks, vegetation cover, and surface soil water content on the Loess Plateau of China, 1999–2000. <i>Catena</i> , 2009, 77, 292-296.	5.0	53
60	Physics and Modelling of Wind Erosion. <i>Atmospheric and Oceanographic Sciences Library</i> , 2009, , .	0.1	188
61	Examining the impact of wind and surface vegetation on the Asian dust occurrence over three classified source regions. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	32
62	A critical overview of pan evaporation trends over the last 50 years. <i>Climatic Change</i> , 2009, 97, 193-214.	3.6	112
63	Simulation of dust aerosol and its regional feedbacks over East Asia using a regional climate model. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1095-1110.	4.9	97
64	Wind erosion gradient patterns of Mongolian Plateau. , 2010, , .		0
65	Detection of dust aerosol by combining CALIPSO active lidar and passive IIR measurements. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4241-4251.	4.9	73
66	Could the Twin Towers collapse teach the interaction of dilute pyroclastic density currents with buildings?. <i>Natural Hazards</i> , 2010, 55, 177-179.	3.4	7
67	Source, route and effect of Asian sand dust on environment and the oceans. <i>Particuology</i> , 2010, 8, 319-324.	3.6	29
68	Indoor and outdoor PM2.5 and PM10 concentrations in the air during a dust storm. <i>Building and Environment</i> , 2010, 45, 610-614.	6.9	63
69	Comparing patterns of ecosystem service consumption and perceptions of range management between ethnic herders in Inner Mongolia and Mongolia. <i>Environmental Research Letters</i> , 2010, 5, 015001.	5.2	53
70	Dusty cloud properties and radiative forcing over dust source and downwind regions derived from A-train data during the Pacific Dust Experiment. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	74
71	Spatial distribution of threshold wind speeds for dust outbreaks in northeast Asia. <i>Geomorphology</i> , 2010, 114, 319-325.	2.6	76
72	Riders under storms: Contributions of nomadic herders' observations to analysing climate change in Mongolia. <i>Global Environmental Change</i> , 2010, 20, 162-176.	7.8	201
73	Effects of large herbivore exclusion on southern Mongolian desert steppes. <i>Acta Oecologica</i> , 2010, 36, 234-241.	1.1	61
74	OSL dating of sediments from the Gobi Desert, Southern Mongolia. <i>Quaternary Geochronology</i> , 2010, 5, 107-113.	1.4	46

#	ARTICLE	IF	CITATIONS
75	Temperate grasslands as a dust source: Knowledge, uncertainties, and challenges. <i>Aeolian Research</i> , 2011, 3, 271-293.	2.7	72
76	Spatial and temporal variations of dust concentrations in the Gobi Desert of Mongolia. <i>Global and Planetary Change</i> , 2011, 78, 14-22.	3.5	83
77	Desert winds and dust. , 2011, , 230-254.		0
79	Particularities of Formation and Transport of Arid Aerosol in Central Asia. , 2011, , .		0
80	Influence of Arctic Oscillation on dust activity over northeast Asia. <i>Atmospheric Environment</i> , 2011, 45, 326-337.	4.1	67
81	Numerical research of extreme wind-induced dust transport in a semi-arid human-impacted region of Mexico. <i>Atmospheric Environment</i> , 2011, 45, 4652-4660.	4.1	10
82	Global sand and dust storms in 2008: Observation and HYSPLIT model verification. <i>Atmospheric Environment</i> , 2011, 45, 6368-6381.	4.1	67
83	Evolutionary characteristics of a dust storm over Oman on 2 February 2008. <i>Meteorology and Atmospheric Physics</i> , 2011, 114, 107-121.	2.0	10
85	The time interval distribution of sandâ€dust storms in theory: testing with observational data for Yanchi, China. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2012, 2012, P11015.	2.3	1
86	A review of techniques and technologies for sand and dust storm detection. <i>Reviews in Environmental Science and Biotechnology</i> , 2012, 11, 305-322.	8.1	67
87	Aeolian salts in Gobi deserts of the western region of Inner Mongolia: Gone with the dust aerosols. <i>Atmospheric Research</i> , 2012, 118, 1-9.	4.1	48
88	The return periods and risk assessment of severe dust storms in Inner Mongolia with consideration of the main contributing factors. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 5471-5485.	2.7	9
89	Geochemical and magnetic characteristics of fine-grained surface sediments in potential dust source areas: Implications for tracing the provenance of aeolian deposits and associated palaeoclimatic change in East Asia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 323-325, 123-132.	2.3	18
90	Seasonal variations and chemical compositions of PM2.5 aerosol in the urban area of Fuzhou, China. <i>Atmospheric Research</i> , 2012, 104-105, 264-272.	4.1	144
91	The evaluation of PM10, PM2.5, and PM1 concentrations during the Middle Eastern Dust (MED) events in Ahvaz, Iran, from april through september 2010. <i>Journal of Arid Environments</i> , 2012, 77, 72-83.	2.4	203
92	Characteristics of the Gobi desert and their significance for dust emissions in the Ala Shan Plateau (Central Asia): An experimental study. <i>Journal of Arid Environments</i> , 2012, 81, 35-46.	2.4	44
93	An observational study of aerosol and turbulence properties during dust storms in northwest China. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	3
94	Globalâ€scale attribution of anthropogenic and natural dust sources and their emission rates based on MODIS Deep Blue aerosol products. <i>Reviews of Geophysics</i> , 2012, 50, .	23.0	1,041

#	ARTICLE	IF	CITATIONS
95	Dust, biomass burning smoke, and anthropogenic aerosol detected by polarization-sensitive Mie lidar measurements in Mongolia. <i>Atmospheric Environment</i> , 2012, 54, 231-241.	4.1	9
96	Desert dust observation from space – Application of measured mineral component infrared extinction spectra. <i>Atmospheric Environment</i> , 2012, 54, 419-427.	4.1	43
97	Estimation of surface soil water content from surface temperatures in dust source regions of Mongolia and China. <i>Environmental Earth Sciences</i> , 2012, 65, 1847-1853.	2.7	8
98	The effects of transported Asian dust on the composition and concentration of ambient fungi in Taiwan. <i>International Journal of Biometeorology</i> , 2012, 56, 211-219.	3.0	26
99	Understanding the dynamic coupling between vegetation cover and climatic factors in a semiarid region – a case study of Inner Mongolia, China. <i>Ecohydrology</i> , 2013, 6, 917-926.	2.4	14
100	The Return Period Analysis of Natural Disasters with Statistical Modeling of Bivariate Joint Probability Distribution. <i>Risk Analysis</i> , 2013, 33, 134-145.	2.7	44
101	Mass concentration of PM10 and PM2.5 fine-dispersed aerosol fractions in the Eastern Gobi Desert. <i>Russian Meteorology and Hydrology</i> , 2013, 38, 80-87.	1.3	7
102	Long-term frequency and characteristics of dust storm events in Northeast Iceland (1949–2011). <i>Atmospheric Environment</i> , 2013, 77, 117-127.	4.1	48
103	Influence of DSSs on urban air quality in China during 2005–2010 and analysis of a severe DSS event. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2013, 49, 67-71.	2.3	2
104	The influence of vegetation variation on Northeast Asian dust activity. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2013, 49, 87-94.	2.3	23
105	Temporal and spatial characteristics of dust storms in the Xilingol grassland, northern China, during 1954–2007. <i>Regional Environmental Change</i> , 2013, 13, 43-52.	2.9	18
106	ESR signal intensity and crystallinity of quartz from Gobi and sandy deserts in East Asia and implication for tracing Asian dust provenance. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 2615-2627.	2.5	46
107	Analyzing causes of desertification in Bayankhangai soum, Tuv province, central Mongolia. <i>Forest Science and Technology</i> , 2013, 9, 59-64.	0.8	2
109	Quantification of iron-rich volcanogenic dust emissions and deposition over the ocean from Icelandic dust sources. <i>Biogeosciences</i> , 2014, 11, 6623-6632.	3.3	39
110	Determination of ¹³⁷ Cs reference inventories in a large-scale region: A case study in the central-eastern Inner Mongolia Plateau. <i>Journal of Chinese Geography</i> , 2014, 24, 1047-1059.	3.9	7
111	Dust Identification over Arid and Semiarid Regions of Asia Using AIRS Thermal Infrared Channels. <i>Advances in Meteorology</i> , 2014, 2014, 1-16.	1.6	4
112	Meteorological Aspects of Dust Storms. , 2014, , 121-147.		28
113	Desert dust and human health disorders. <i>Environment International</i> , 2014, 63, 101-113.	10.0	536

#	ARTICLE	IF	CITATIONS
114	Assessing drought vulnerability using soil moisture-based water use efficiency measurements obtained from multi-sensor satellite data in Northeast Asia dryland regions. <i>Journal of Arid Environments</i> , 2014, 105, 22-32.	2.4	14
115	Mineral Dust. , 2014, , .		123
116	Messages from a middle power: participation by the Republic of Korea in regional environmental cooperation on transboundary air pollution issues. <i>International Environmental Agreements: Politics, Law and Economics</i> , 2014, 14, 147-162.	2.9	9
117	Intensity of dust storms in China from 1980 to 2007: A new definition. <i>Atmospheric Environment</i> , 2014, 85, 215-222.	4.1	22
118	Pyroclastic density currents and local topography as seen with the conveyer model. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 278-279, 25-39.	2.1	21
119	Quantitative analysis on windblown dust concentrations of PM10 (PM2.5) during dust events in Mongolia. <i>Aeolian Research</i> , 2014, 14, 3-13.	2.7	39
120	An observational study of saltation and dust emission in a hotspot of Mongolia. <i>Aeolian Research</i> , 2014, 15, 169-176.	2.7	31
121	Western Pacific atmospheric nutrient deposition fluxes, their impact on surface ocean productivity. <i>Global Biogeochemical Cycles</i> , 2014, 28, 712-728.	4.9	63
123	Long-term variability of dust events in Iceland (1949â€“2011). <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 13411-13422.	4.9	57
124	Investigation of aged aerosols in size-resolved Asian dust storm particles transported from Beijing, China, to Incheon, Korea, using low- and high-resolution particle EPMA. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3307-3323.	4.9	35
125	Simulating the adaptive measures of soybean production to climate change in China: Based on cross-scale model coupling. , 2015, , 161-168.		0
126	Clay-sized HfNdSr isotopic composition of Mongolian dust as a fingerprint for regional to hemispherical transport. <i>Geophysical Research Letters</i> , 2015, 42, 5661-5669.	4.0	53
127	Impact of soil moisture on dust outbreaks in East Asia: Using satellite and assimilation data. <i>Geophysical Research Letters</i> , 2015, 42, 2789-2796.	4.0	69
128	Dusty roads and disconnections: Perceptions of dust from unpaved mining roads in Mongolia's South Gobi province. <i>Geoforum</i> , 2015, 66, 94-105.	2.5	31
129	Spatiotemporal variability in dust observed over the Sinkiang and Inner Mongolia regions of Northern China. <i>Atmospheric Pollution Research</i> , 2015, 6, 562-571.	3.8	12
130	New Asia Dust Storm Detection Method Based on the Thermal Infrared Spectral Signature. <i>Remote Sensing</i> , 2015, 7, 51-71.	4.0	6
131	Long-term inverse modeling of Asian dust: Interannual variations of its emission, transport, deposition, and radiative forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1582-1607.	3.3	43
132	Land surface memory effects on dust emission in a Mongolian temperate grassland. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 414-427.	3.0	28

#	ARTICLE	IF	CITATIONS
133	Holocene shorelines and lake evolution in Juyanze Basin, southern Mongolian Plateau, revealed by luminescence dating. <i>Holocene</i> , 2015, 25, 1898-1911.	1.7	21
134	Geochemical and magnetic characteristics of aeolian transported materials under different near-surface wind fields: An experimental study. <i>Geomorphology</i> , 2015, 239, 106-113.	2.6	9
135	Assessing the accuracy of multiple regressions, ANFIS, and ANN models in predicting dust storm occurrences in Sanandaj, Iran. <i>Natural Hazards</i> , 2015, 78, 879-893.	3.4	29
136	Retrieval of dust storm aerosols using an integrated Neural Network model. <i>Computers and Geosciences</i> , 2015, 85, 104-114.	4.2	16
137	Identification of Dust Hot Spots from Multi-Resolution Remotely Sensed Data in Eastern China and Mongolia. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	10
138	Local impact of dust storms around a suburban building in arid and semi-arid regions: numerical simulation examples from Dubai and Riyadh, Arabian Peninsula. <i>Arabian Journal of Geosciences</i> , 2015, 8, 7359-7369.	1.3	23
139	Characterizing regional precipitation-driven lake area change in Mongolia. <i>Journal of Arid Land</i> , 2015, 7, 146-158.	2.3	29
140	Iron fertilisation by Asian dust influences North Pacific sardine regime shifts. <i>Progress in Oceanography</i> , 2015, 134, 370-378.	3.2	5
141	The joint return period analysis of natural disasters based on monitoring and statistical modeling of multidimensional hazard factors. <i>Science of the Total Environment</i> , 2015, 538, 724-732.	8.0	17
142	Quartz and K-feldspar luminescence dating of a Marine Isotope Stage 5 megalake in the Juyanze Basin, central Gobi Desert, China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 440, 96-109.	2.3	23
143	Effect of the temperature variation between Mediterranean Sea and Syrian deserts on the dust storm occurrence in the western half of Iran. <i>Atmospheric Research</i> , 2015, 154, 116-125.	4.1	26
144	Climatological analysis of dust storms in the area surrounding the Tengger Desert during 1960–2007. <i>Climate Dynamics</i> , 2015, 45, 903-913.	3.8	40
145	Long-term trend of airborne particulate matter in Seoul, Korea from 2004 to 2013. <i>Atmospheric Environment</i> , 2015, 101, 125-133.	4.1	64
146	Variability in Dust Observed over China Using A-Train CALIOP Instrument. <i>Advances in Meteorology</i> , 2016, 2016, 1-11.	1.6	6
148	Assessing Drought Vulnerability using Soil Moisture-based Water Use Efficiency in Northeast Asia dryland regions. , 2016, , .		1
149	Dust storms, volcanic ash hurricanes, and turbidity currents: physical similarities and differences with emphasis on flow temperature. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	1.3	20
150	Factors limiting vegetation recovery processes after cessation of cropping in a semiarid grassland in Mongolia. <i>Journal of Arid Environments</i> , 2016, 131, 1-5.	2.4	32
151	Regional Characteristics of Recent Dust Occurrence and Its Controlling Factors in East Asia. <i>Scientific Online Letters on the Atmosphere</i> , 2016, 12, 187-191.	1.4	33

#	ARTICLE	IF	CITATIONS
152	The Icelandic volcanic aeolian environment: Processes and impacts – A review. <i>Aeolian Research</i> , 2016, 20, 176-195.	2.7	105
153	Relationships between soil moisture and dust emissions in a bare sandy soil of Mongolia. <i>Particuology</i> , 2016, 28, 131-137.	3.6	41
154	Development of an effective and potentially scalable weather generator for temperature and growing degree days. <i>Theoretical and Applied Climatology</i> , 2016, 124, 1167-1186.	2.8	6
155	Spatial assessment of soil wind erosion using WEQ approach in Mongolia. <i>Journal of Chinese Geography</i> , 2016, 26, 473-483.	3.9	30
156	Synoptic characteristics of the primary widespread winter dust patterns over the northern Arabian Peninsula. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 503-516.	3.3	13
157	Long-term dust aerosol production from natural sources in Iceland. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 173-181.	1.9	10
158	Arabian Peninsula wet season dust storm distribution: regionalization and trends analysis (1983–2013). <i>International Journal of Climatology</i> , 2017, 37, 1356-1373.	3.5	21
159	Dust Storms in Northern China: Long-Term Spatiotemporal Characteristics and Climate Controls. <i>Journal of Climate</i> , 2017, 30, 6683-6700.	3.2	84
160	Mineralogical and Chemical Characterization of Suspended Atmospheric Particles in Ahvaz. <i>International Journal of Environmental Research</i> , 2017, 11, 55-62.	2.3	9
161	Long-term variations of dust storms and associated dustfall and related climate factors in Korea during 1997–2016. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 1269-1280.	3.3	12
162	Simulation and evaluation of dust emissions with WRF-Chem (v3.7.1) and its relationship to the changing climate over East Asia from 1980 to 2015. <i>Atmospheric Environment</i> , 2017, 167, 511-522.	4.1	43
163	Spatio-temporal variability of particulate matter in the key part of Gansu Province, Western China. <i>Environmental Pollution</i> , 2017, 230, 189-198.	7.5	73
164	Desert Dust and Health: A Central Asian Review and Steppe Case Study. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 1342.	2.6	31
165	Determining the Frequency of Dry Lake Bed Formation in Semi-Arid Mongolia From Satellite Data. <i>Land</i> , 2017, 6, 88.	2.9	4
168	Identification of atmospheric transport and dispersion of Asian dust storms. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1425-1435.	3.6	9
170	Temporal and spatial characteristics of dust devils and their contribution to the aerosol budget in East Asia – An analysis using a new parameterization scheme for dust devils. <i>Atmospheric Environment</i> , 2018, 182, 225-233.	4.1	12
171	Temporal and spatial variations in sand and dust storm events in East Asia from 2007 to 2016: Relationships with surface conditions and climate change. <i>Science of the Total Environment</i> , 2018, 633, 452-462.	8.0	118
172	Daytime variation of aerosol optical depth in North China and its impact on aerosol direct radiative effects. <i>Atmospheric Environment</i> , 2018, 182, 31-40.	4.1	12

#	ARTICLE	IF	CITATIONS
173	A GIS based approach to Holocene hydrology and social connectivity in the Gobi Desert, Mongolia. <i>Archaeological Research in Asia</i> , 2018, 15, 137-145.	0.7	14
174	Simulation and analysis of synoptic scale dust storms over the Arabian Peninsula. <i>Atmospheric Research</i> , 2018, 199, 62-81.	4.1	59
175	Association between forestry ecological engineering and dust weather in Inner Mongolia: A panel study. <i>Physics and Chemistry of the Earth</i> , 2018, 104, 76-83.	2.9	8
176	Satellite Monitoring of Vegetation Response to Precipitation and Dust Storm Outbreaks in Gobi Desert Regions. <i>Land</i> , 2018, 7, 19.	2.9	10
177	Wind speed characteristics and blown sand flux over a gravel surface in a compact wind tunnel. <i>Aeolian Research</i> , 2018, 35, 39-46.	2.7	9
178	Characterizing Sand and Dust Storms (SDS) Intensity in China Based on Meteorological Data. <i>Sustainability</i> , 2018, 10, 2372.	3.2	15
179	A Machine Learning Approach for Air Quality Prediction: Model Regularization and Optimization. <i>Big Data and Cognitive Computing</i> , 2018, 2, 5.	4.7	108
180	Developing a soil erodibility map across Mongolia. <i>Natural Hazards</i> , 2018, 92, 71-94.	3.4	9
181	Asian Beekeeping in the 21st Century. , 2018, , .		13
182	Lidar Network Observation of Dust Layer Development over the Gobi Desert in Association with a Cold Frontal System on 22-23 May 2013. <i>Journal of the Meteorological Society of Japan</i> , 2018, 96, 255-268.	1.8	12
183	Meteorological catalysts of dust events and particle source dynamics of affected soils during the 1930s Dust Bowl drought, Southern High Plains, USA. <i>Anthropocene</i> , 2019, 27, 100216.	3.3	13
184	Transport pathways of PM10 during the spring in northwest China and its characteristics of potential dust sources. <i>Journal of Cleaner Production</i> , 2019, 237, 117746.	9.3	21
185	A dust event in the Mongolian Gobi Desert in spring 2016: Observations and vertical dust flux estimation. <i>E3S Web of Conferences</i> , 2019, 99, 01009.	0.5	0
186	Imaging of micro-organisms on topsoil particles collected from different landscape in the Gobi Desert. <i>E3S Web of Conferences</i> , 2019, 99, 01011.	0.5	1
187	Observations and transport modeling of dust storm event over Northeast Asia using HYSPLIT: case study. <i>E3S Web of Conferences</i> , 2019, 99, 02002.	0.5	1
188	Monitoring Dust Storms in Iraq Using Satellite Data. <i>Sensors</i> , 2019, 19, 3687.	3.8	15
189	Analysis of near-surface wind speed change in China during 1958â€“2015. <i>Theoretical and Applied Climatology</i> , 2019, 137, 2785-2801.	2.8	38
190	Changes of the relationship between spring sand dust frequency and large-scale atmospheric circulation. <i>Atmospheric Research</i> , 2019, 226, 102-109.	4.1	14

#	ARTICLE	IF	CITATIONS
191	Long-term variation of dust episodes over the United Arab Emirates. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 187, 33-39.	1.6	11
192	Northeast Asian Dust Transport: A Case Study of a Dust Storm Event from 28 March to 2 April 2012. <i>Atmosphere</i> , 2019, 10, 69.	2.3	13
193	Changes in Dominant Perennial Species Affect Soil Hydraulic Properties after Crop Abandonment in a Semiarid Grassland in Mongolia. <i>Eurasian Soil Science</i> , 2019, 52, 1378-1390.	1.6	1
194	Contribution of dust in northern China to PM10 concentrations over the Hexi corridor. <i>Science of the Total Environment</i> , 2019, 660, 947-958.	8.0	37
196	An evaluation of satellite dust-detection algorithms in the Middle East region. <i>International Journal of Remote Sensing</i> , 2019, 40, 1331-1356.	2.9	16
197	Large-scale permafrost degradation as a primary factor in <i>Larix sibirica</i> forest dieback in the Khentii massif, northern Mongolia. <i>Journal of Forestry Research</i> , 2020, 31, 197-208.	3.6	17
198	Using composite fingerprints to quantify the potential dust source contributions in northwest China. <i>Science of the Total Environment</i> , 2020, 742, 140560.	8.0	30
199	Distribution of Viable Bacteria in the Dust-Generating Natural Source Area of the Gobi Region, Mongolia. <i>Atmosphere</i> , 2020, 11, 893.	2.3	7
200	Traditional livelihoods under a changing climate: herder perceptions of climate change and its consequences in South Gobi, Mongolia. <i>Climatic Change</i> , 2020, 162, 1065-1079.	3.6	15
201	Dust storm susceptibility on different land surface types in arid and semiarid regions of northern China. <i>Atmospheric Research</i> , 2020, 243, 105031.	4.1	27
202	Dynamic and synoptic study of spring dust storms over northern Saudi Arabia. <i>Theoretical and Applied Climatology</i> , 2020, 140, 619-634.	2.8	16
203	Dust storm frequency change in relation to climate drivers. <i>International Journal of Climatology</i> , 2021, 41, E187.	3.5	10
204	Simulation of an extreme dust episode using WRF-CHEM based on optimal ensemble approach. <i>Atmospheric Research</i> , 2021, 249, 105296.	4.1	22
205	Ambient viral and bacterial distribution during long-range transport in Northern Taiwan. <i>Environmental Pollution</i> , 2021, 270, 116231.	7.5	5
206	Synoptic pattern of the Red Sea trough associated with spring dust over the northern and western Arabian Peninsula. <i>Meteorology and Atmospheric Physics</i> , 2021, 133, 655-673.	2.0	5
207	Modeling the potential of Sand and Dust Storm sources formation using time series of remote sensing data, fuzzy logic and artificial neural network (A Case study of Euphrates basin). <i>Journal of Geospatial Information Technology</i> , 2021, 8, 61-82.	0.2	2
208	Dust Hotspot in the Gobi Desert: A Field Survey in April 2019. <i>Scientific Online Letters on the Atmosphere</i> , 2021, 17, 130-133.	1.4	5
209	Spatio-temporal changes of PM10 trends in South Korea caused by East Asian atmospheric variability. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 1001-1016.	3.3	13

#	ARTICLE	IF	CITATIONS
210	Meteorological characteristics of dust storm events in Turkey. <i>Aeolian Research</i> , 2021, 50, 100673.	2.7	19
211	Predicting land susceptibility to atmospheric dust emissions in central Iran by combining integrated data mining and a regional climate model. <i>Atmospheric Pollution Research</i> , 2021, 12, 172-187.	3.8	18
212	Next-generation remote sensing and prediction of sand and dust storms: State-of-the-art and future trends. <i>International Journal of Remote Sensing</i> , 2021, 42, 5277-5316.	2.9	15
213	Spatio-temporal trends of dust emissions triggered by desertification in China. <i>Catena</i> , 2021, 200, 105160.	5.0	18
214	Monitoring DSI and Lancaster Indices for Study Dust and Sand Storm In Meteorological Mehrabad Station of Tehran. <i>International Journal of Fundamental Physical Sciences</i> , 2021, 11, 30-42.	0.2	0
215	Seasonal variations in threshold wind speed for saltation depending on soil temperature and vegetation: A case study in the Gobi Desert. <i>Aeolian Research</i> , 2021, 52, 100716.	2.7	5
216	Effect of stones on the sand saltation threshold during natural sand and dust storms in a stony desert in Tsogt-Ovoo in the Gobi Desert, Mongolia. <i>Journal of Arid Land</i> , 2021, 13, 653-673.	2.3	8
217	Determining the critical geographical directions of sand and dust storms in urban areas by remote sensing. <i>Remote Sensing Applications: Society and Environment</i> , 2021, 23, 100561.	1.5	0
218	Impacts of Land Surface Conditions and Land Use on Dust Events in the Inner Mongolian Grasslands, China. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	5
219	Erosion around a large-scale topographic high in a semi-arid sedimentary basin: Interactions between fluvial erosion, aeolian erosion and aeolian transport. <i>Geomorphology</i> , 2021, 386, 107747.	2.6	8
220	Extreme altitude changes between night and day during marathon flights of great snipes. <i>Current Biology</i> , 2021, 31, 3433-3439.e3.	3.9	29
221	Description of Dust Emission Parameterization in CASaCESM2 and Its Simulation of Global Dust Cycle and East Asian Dust Events. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002456.	3.8	7
222	Shrinking water bodies as hotspots of sand and dust storms: The role of land degradation and sustainable soil and water management. <i>Catena</i> , 2021, 207, 105669.	5.0	37
223	Origin and Transport Pathway of Dust Storm and Its Contribution to Particulate Air Pollution in Northeast Edge of Taklimakan Desert, China. <i>Atmosphere</i> , 2021, 12, 113.	2.3	15
224	Vulnerability of Pastoral Social-Ecological Systems in Mongolia. , 2017, , 73-88.		8
225	Dust Production Mechanisms. , 2014, , 93-120.		17
226	Beekeeping in Mongolia. , 2018, , 199-221.		1
228	Characteristics of Dust Emission in the Mongolian Steppe during the 2008 DUVEX Intensive Observational Period. <i>Scientific Online Letters on the Atmosphere</i> , 2010, 6, 9-12.	1.4	39

#	ARTICLE	IF	CITATIONS
229	Does Ground Surface Soil Aggregation Affect Transition of the Wind Speed Threshold for Saltation and Dust Emission?. Scientific Online Letters on the Atmosphere, 2012, 8, 129-132.	1.4	22
230	Effects of cloud, atmospheric water vapor, and dust on photosynthetically active radiation and total solar ra-diation in a Mongolian grassland. Journal of Arid Land, 2012, 4, 349-356.	2.3	17
231	Chemical Characteristics of Particulate Matter during a Heavy Dust Episode in a Coastal City, Xiamen, 2010. Aerosol and Air Quality Research, 2011, 11, 299-308.	2.1	62
232	Aerosol Column Size Distribution and Water Uptake Observed during a Major Haze Outbreak over Beijing on January 2013. Aerosol and Air Quality Research, 2015, 15, 945-957.	2.1	14
233	Dust Events in the Western Parts of Iran and the Relationship with Drought Expansion over the Dust-Source Areas in Iraq and Syria. Atmospheric and Climate Sciences, 2013, 03, 321-336.	0.3	31
239	Seasonal and Inter-annual Variations of Lake Surface Area of Orog Lake in Gobi, Mongolia During 2000-2010. Korean Journal of Remote Sensing, 2012, 28, 267-276.	0.4	7
240	An Inter-comparison of Active and Passive satellite Soil Moisture Products in East Asia for Dust-Outbreak Prediction. Korean Society of Hazard Mitigation, 2015, 15, 53-58.	0.2	2
242	A Study on the Correlation between Forest Fire Occurrence and Asian Dust during the Spring Season from 2000 to 2008. Korean Journal of Agricultural and Forest Meteorology, 2011, 13, 148-156.	0.2	0
243	A descriptor for the local dust storm occurrence probability constituted by meteorological factors. Sciences in Cold and Arid Regions, 2012, 4, 140.	0.1	0
244	Investigating the Vegetation Changes in the Internal and External Dust Storm Sources using MODIS Satellite Imagery (Case Study: Kermanshah Province). Bul,,m/shinal,,sil,,i Jangal/hał,,-yi İl,,ral,,n, 2018, 6, 39-49.	0.2	1
245	Case Studies of Mass Concentration Variation in the Central-Southern Korean Peninsula Caused by Synoptic Scale Transport of Dust Storms. Journal of the Korean Earth Science Society, 2019, 40, 414-427.	0.2	3
246	Influence of Weather Conditions on Particulate Matter Suspension following the 2010 EyjafjallajÄŕkull Volcanic Eruption. Earth Interactions, 2020, 24, 1-16.	1.5	4
247	Dust and sandstorm: ecosystem perspectives on dryland hazards in Northeast Asia: a review. Journal of Ecology and Environment, 2021, 45, .	1.6	2
248	Where and How Often Does Rain Prevent Dust Emission?. Geophysical Research Letters, 2022, 49, .	4.0	4
249	Impact of the land-use/cover on the dust emission using meteorological data and satellite imagery. International Journal of Environmental Science and Technology, 2022, 19, 7763-7776.	3.5	3
250	The performance of a soiled CSP system in Inner Mongolia under various weather conditions. Journal of Renewable and Sustainable Energy, 0, , .	2.0	2
251	Experimental Study on Sand/Bed Collision Over the Gobi Surface. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	4
252	Anomaly Based Synoptic Analysis and Model Prediction of Six Dust Storms Moving From Mongolia to Northern China in Spring 2021. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	7

#	ARTICLE	IF	CITATIONS
253	Estimating the sand saltation thresholds from Sentinel-1 SAR data in the Gobi Desert, Mongolia. <i>Journal of Arid Environments</i> , 2022, 202, 104772.	2.4	2
254	Evolution Characteristics of Sand-Dust Weather Processes in China During 1961–2020. <i>Frontiers in Environmental Science</i> , 2022, 10, .	3.3	2
255	Major Natural Disasters in Deserts: Interventions Using Geospatial Technologies. <i>Water Science and Technology Library</i> , 2022, , 351-379.	0.3	1
256	The Issue of Problem Formulation in Public Policy-Making: A Sandstorm-Combating Policy Case in Northern China. <i>Chinese Public Administration Review</i> , 2011, 6, 47-59.	0.6	0
257	Land degradation drivers of anthropogenic sand and dust storms. <i>Catena</i> , 2022, 219, 106575.	5.0	10
258	Drivers of recent decline in dust activity over East Asia. <i>Nature Communications</i> , 2022, 13, .	12.8	28
259	Promoting vegetation coverage using fertilization treatments in abandoned farmland in Mongolia. <i>Grassland Science</i> , 0, , .	1.1	0
260	Characteristics and a mechanism of dust weather in Northern China. <i>Climate Dynamics</i> , 2023, 61, 1591-1606.	3.8	1
261	Diagnostic Study of a Severe Dust Storm over North Africa and the Arabian Peninsula. <i>Atmosphere</i> , 2023, 14, 196.	2.3	1
262	Dust emission and potential diffusion process in Mongolia. <i>Land Degradation and Development</i> , 0, , .	3.9	2
263	Assessing the impact of sand and dust storm on agriculture: Empirical evidence from Mongolia. <i>PLoS ONE</i> , 2023, 18, e0269271.	2.5	3
264	Spatiotemporal variations of 100% wind in Mongolia and implications for wind energy resources. <i>International Journal of Climatology</i> , 0, , .	3.5	0
265	Quantification of the Inhaled Deposited Dose During Sand and Dust Storms. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2023, , 17-30.	0.7	0
266	The largest deflation basin in Asia reveals that the Miocene basin-filling sediments in the eastern Gobi Desert are an important dust source. <i>Geomorphology</i> , 2023, 436, 108780.	2.6	0
267	Outdoor Radon and Its Progeny in Relation to the Particulate Matter during Different Polluted Weather in Beijing. <i>Atmosphere</i> , 2023, 14, 1132.	2.3	0
268	Long-term variations in spatiotemporal clustering characteristics of dust events in potential dust sources in East Asia. <i>Catena</i> , 2023, 232, 107397.	5.0	1
269	ESR Signal Intensity and Crystallinity of Quartz from Three Major Asian Dust Sources: Implication for Tracing the Provenances of Eolian Dust. , 2013, 1, 53-67.		0