

# Joseph M Prospero

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140  
papers

24,080  
citations

70  
h-index

145  
g-index

145  
ext. papers

26,317  
ext. citations

10.4  
avg, IF

6.63  
L-index

#	Paper	IF	Citations
140	Long-term characterisation of the vertical structure of the Saharan Air Layer over the Canary Islands using lidar and radiosonde profiles: implications for radiative and cloud processes over the subtropical Atlantic Ocean. <i>Atmospheric Chemistry and Physics</i> , <b>2022</b> , 22, 739-763	6.8	1
139	Sr-Nd-Hf isotopic analysis of reference materials and natural and anthropogenic particulate matter sources: Implications for accurately tracing North African dust in complex urban atmospheres.. <i>Talanta</i> , <b>2022</b> , 241, 123236	6.2	0
138	The Discovery of African Dust Transport to the Western Hemisphere and the Saharan Air Layer: A History. <i>Bulletin of the American Meteorological Society</i> , <b>2021</b> , 102, E1239-E1260	6.1	10
137	Tracking the changes of iron solubility and air pollutants traces as African dust transits the Atlantic in the Saharan dust outbreaks. <i>Atmospheric Environment</i> , <b>2021</b> , 246, 118092	5.3	3
136	Atmospheric Transport of North African Dust-Bearing Supermicron Freshwater Diatoms to South America: Implications for Iron Transport to the Equatorial North Atlantic Ocean. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL090476	4.9	3
135	Evaluation of natural aerosols in CRESCENDO Earth system models (ESMs): mineral dust. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 10295-10335	6.8	6
134	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 AM4.0/LM4.0). <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 55-81	6.8	8
133	Characterizing and Quantifying African Dust Transport and Deposition to South America: Implications for the Phosphorus Budget in the Amazon Basin. <i>Global Biogeochemical Cycles</i> , <b>2020</b> , 34, e2020GB006536	5.9	19
132	Is Summer African Dust Arriving Earlier to Barbados? The Updated Long-Term In Situ Dust Mass Concentration Time Series from Ragged Point, Barbados, and Miami, Florida. <i>Bulletin of the American Meteorological Society</i> , <b>2019</b> , 100, 1981-1986	6.1	25
131	African biomass burning is a substantial source of phosphorus deposition to the Amazon, Tropical Atlantic Ocean, and Southern Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 16216-16221	11.5	59
130	Identifying and Quantifying the Impacts of Advected North African Dust on the Concentration and Composition of Airborne Fine Particulate Matter in Houston and Galveston, Texas. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 12282-12300	4.4	13
129	Linking Barbados Mineral Dust Aerosols to North African Sources Using Elemental Composition and Radiogenic Sr, Nd, and Pb Isotope Signatures. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 1384-1400	4.4	23
128	Impact of long-range transport over the Atlantic Ocean on Saharan dust optical and microphysical properties based on AERONET data. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 9411-9424	6.8	22
127	Temporal and spatial variability of Icelandic dust emissions and atmospheric transport. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 10865-10878	6.8	25
126	Observation- and Model-Based Estimates of Particulate Dry Nitrogen Deposition to the Oceans. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 8189-8210	6.8	22
125	Predicting the mineral composition of dust aerosols: Insights from elemental composition measured at the Izaña Observatory. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 10520-10529	4.9	19
124	Properties of cloud condensation nuclei (CCN) in the trade wind marine boundary layer of the western North Atlantic. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2675-2688	6.8	26

123	The Barbados Cloud Observatory: Anchoring Investigations of Clouds and Circulation on the Edge of the ITCZ. <i>Bulletin of the American Meteorological Society</i> , <b>2016</b> , 97, 787-801	6.1	105
122	Effects of African dust deposition on phytoplankton in the western tropical Atlantic Ocean off Barbados. <i>Global Biogeochemical Cycles</i> , <b>2016</b> , 30, 716-734	5.9	63
121	The fertilizing role of African dust in the Amazon rainforest: A first multiyear assessment based on data from Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 1984-1991	4.9	189
120	Quantification of trans-Atlantic dust transport from seven-year (2007-2013) record of CALIPSO lidar measurements. <i>Remote Sensing of Environment</i> , <b>2015</b> , 159, 232-249	13.2	106
119	Multi-decadal aerosol variations from 1980 to 2009: a perspective from observations and a global model. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 3657-3690	6.8	201
118	Characterizing the annual cycle of African dust transport to the Caribbean Basin and South America and its impact on the environment and air quality. <i>Global Biogeochemical Cycles</i> , <b>2014</b> , 28, 757-773	5.9	155
117	Geochemical fingerprinting of trans-Atlantic African dust based on radiogenic Sr-Nd-Hf isotopes and rare earth element anomalies. <i>Geology</i> , <b>2014</b> , 42, 675-678	5	62
116	Identifying Sources of Aeolian Mineral Dust: Present and Past <b>2014</b> , 51-74		16
115	Quantifying the contribution of long-range Saharan dust transport on particulate matter concentrations in Houston, Texas, using detailed elemental analysis. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 10179-87	10.3	31
114	Vertical structure of aerosols, temperature, and moisture associated with an intense African dust event observed over the eastern Caribbean. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 4623-4643	4.4	23
113	Understanding the Transport and Impact of African Dust on the Caribbean Basin. <i>Bulletin of the American Meteorological Society</i> , <b>2013</b> , 94, 1329-1337	6.1	129
112	Atmospheric fluxes of organic N and P to the global ocean. <i>Global Biogeochemical Cycles</i> , <b>2012</b> , 26,	5.9	152
111	Claes G. H. Rooth (1928-2011). <i>Eos</i> , <b>2012</b> , 93, 235-236	1.5	
110	Soil genesis on the island of Bermuda in the Quaternary: The importance of African dust transport and deposition. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		28
109	Global-scale attribution of anthropogenic and natural dust sources and their emission rates based on MODIS Deep Blue aerosol products. <i>Reviews of Geophysics</i> , <b>2012</b> , 50,	23.1	800
108	CALIPSO-Derived Three-Dimensional Structure of Aerosol over the Atlantic Basin and Adjacent Continents. <i>Journal of Climate</i> , <b>2012</b> , 25, 6862-6879	4.4	94
107	Atmospheric transport and deposition of mineral dust to the ocean: implications for research needs. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10390-404	10.3	148
106	High-latitude dust over the North Atlantic: inputs from Icelandic proglacial dust storms. <i>Science</i> , <b>2012</b> , 335, 1078-82	33.3	114

105	Impacts of atmospheric nutrient deposition on marine productivity: Roles of nitrogen, phosphorus, and iron. <i>Global Biogeochemical Cycles</i> , <b>2011</b> , 25, n/a-n/a	5.9	148
104	Deposition of 7Be to Bermuda and the regional ocean: Environmental factors affecting estimates of atmospheric flux to the ocean. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		21
103	Global dust model intercomparison in AeroCom phase I. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 7781-7816	6.8	662
102	Geochemical and mineralogical evidence for Sahara and Sahel dust additions to Quaternary soils on Lanzarote, eastern Canary Islands, Spain. <i>Terra Nova</i> , <b>2010</b> , 22, 399-410	3	50
101	Trends in the solubility of iron in dust-dominated aerosols in the equatorial Atlantic trade winds: Importance of iron speciation and sources. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2010</b> , 11, n/a-n/a	3.6	59
100	African dust outbreaks: A satellite perspective of temporal and spatial variability over the tropical Atlantic Ocean. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		70
99	African dust deposition to Florida: Temporal and spatial variability and comparisons to models. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		87
98	Global connections between aeolian dust, climate and ocean biogeochemistry at the present day and at the last glacial maximum. <i>Earth-Science Reviews</i> , <b>2010</b> , 99, 61-97	10.2	385
97	Temporal variability of the elemental composition of African dust measured in trade wind aerosols at Barbados and Miami. <i>Marine Chemistry</i> , <b>2010</b> , 120, 71-82	3.7	82
96	Aerosol-Induced Large-Scale Variability in Precipitation over the Tropical Atlantic. <i>Journal of Climate</i> , <b>2009</b> , 22, 4970-4988	4.4	25
95	African aerosol and large-scale precipitation variability over West Africa. <i>Environmental Research Letters</i> , <b>2009</b> , 4, 015006	6.2	32
94	Reply to: African dust and asthma in the Caribbean—medical and statistical perspectives by M A Monteil and R Antoine. <i>International Journal of Biometeorology</i> , <b>2009</b> , 53, 383-385	3.7	2
93	Response to Aerosol iron deposition to the surface ocean [Modes of iron supply and biological responses] by P.W. Boyd, D.S. Mackie, and K.A. Hunter. <i>Marine Chemistry</i> , <b>2009</b> , 116, 56-57	3.7	2
92	Atmospheric iron deposition: global distribution, variability, and human perturbations. <i>Annual Review of Marine Science</i> , <b>2009</b> , 1, 245-78	15.4	461
91	Impacts of atmospheric anthropogenic nitrogen on the open ocean. <i>Science</i> , <b>2008</b> , 320, 893-7	33.3	802
90	Relationship between African dust carried in the Atlantic trade winds and surges in pediatric asthma attendances in the Caribbean. <i>International Journal of Biometeorology</i> , <b>2008</b> , 52, 823-32	3.7	81
89	Geochemical evidence for African dust inputs to soils of western Atlantic islands: Barbados, the Bahamas, and Florida. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		130
88	African Dust: Its Large-Scale Transport over the Atlantic Ocean and its Impact on the Mediterranean Region. <i>NATO Science Series Series IV, Earth and Environmental Sciences</i> , <b>2007</b> , 15-38		5

87	Saharan Dust Impacts and Climate Change. <i>Oceanography</i> , <b>2006</b> , 19, 60-61	2.3	14
86	The climate-environment-society nexus in the Sahara from prehistoric times to the present day. <i>Journal of North African Studies</i> , <b>2005</b> , 10, 253-292	0.7	56
85	Global iron connections between desert dust, ocean biogeochemistry, and climate. <i>Science</i> , <b>2005</b> , 308, 67-71	33.3	1996
84	Atmospheric global dust cycle and iron inputs to the ocean. <i>Global Biogeochemical Cycles</i> , <b>2005</b> , 19, n/a-n/a	7.9	777
83	Understanding the long-term variability of African dust transport across the Atlantic as recorded in both Barbados surface concentrations and large-scale Total Ozone Mapping Spectrometer (TOMS) optical thickness. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		137
82	Interhemispheric transport of viable fungi and bacteria from Africa to the Caribbean with soil dust. <i>Aerobiologia</i> , <b>2005</b> , 21, 1-19	2.4	292
81	Long-term simulation of global dust distribution with the GOCART model: correlation with North Atlantic Oscillation. <i>Environmental Modelling and Software</i> , <b>2004</b> , 19, 113-128	5.2	353
80	Interhemispheric Transport of Viable Fungi and Bacteria from Africa to the Caribbean with Soil Dust <b>2004</b> , 127-133		0
79	African droughts and dust transport to the Caribbean: climate change implications. <i>Science</i> , <b>2003</b> , 302, 1024-7	33.3	776
78	Long-term record of nss-sulfate and nitrate in aerosols on Midway Island, 1981-2000: Evidence of increased (now decreasing?) anthropogenic emissions from Asia. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, AAC 10-1		89
77	Analysis of measurements of Saharan dust by airborne and ground-based remote sensing methods during the Puerto Rico Dust Experiment (PRIDE). <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		120
76	Saharan dust storms and indirect aerosol effects on clouds: CRYSTAL-FACE results. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	287
75	Saharan dust storms and indirect aerosol effects on clouds: CRYSTAL-FACE results <b>2003</b> , 30,		1
74	Marine biogenic and anthropogenic contributions to non-sea-salt sulfate in the marine boundary layer over the North Atlantic Ocean. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, AAC 3-1		99
73	Cloud susceptibility and the first aerosol indirect forcing: Sensitivity to black carbon and aerosol concentrations. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, AAC 10-1-AAC 10-23		97
72	ENVIRONMENTAL CHARACTERIZATION OF GLOBAL SOURCES OF ATMOSPHERIC SOIL DUST IDENTIFIED WITH THE NIMBUS 7 TOTAL OZONE MAPPING SPECTROMETER (TOMS) ABSORBING AEROSOL PRODUCT. <i>Reviews of Geophysics</i> , <b>2002</b> , 40, 2-1	23.1	2000
71	How are climate and marine biological outbreaks functionally linked?. <i>Hydrobiologia</i> , <b>2001</b> , 460, 213-220	2.4	50
70	Al and Fe in PM 2.5 and PM 10 Suspended Particles in South-Central Florida: The Impact of the Long Range Transport of African Mineral Dust. <i>Water, Air, and Soil Pollution</i> , <b>2001</b> , 125, 291-317	2.6	87

69	HNO <sub>3</sub> losses within the cyclone inlet of a diffusion-denuder system under simulated marine environments. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 985-993	5.3	16
68	Radiative properties of aerosols in Saharan dust outbreaks using ground-based and satellite data: Applications to radiative forcing. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 18403-18416		38
67	Sources and distributions of dust aerosols simulated with the GOCART model. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 20255-20273		1355
66	Iron fertilization and the Trichodesmium response on the West Florida shelf. <i>Limnology and Oceanography</i> , <b>2001</b> , 46, 1261-1277	4.8	179
65	How are climate and marine biological outbreaks functionally linked? <b>2001</b> , 213-220		6
64	African dust and the demise of Caribbean Coral Reefs. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 3029-3032	4.9	252
63	Assessing the Impact of Advected African Dust on Air Quality and Health in the Eastern United States. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>1999</b> , 5, 471-479	4.9	34
62	Long-range transport of mineral dust in the global atmosphere: impact of African dust on the environment of the southeastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 3396-403	11.5	410
61	Long-term measurements of the transport of African mineral dust to the southeastern United States: Implications for regional air quality. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 15917-15927		437
60	Composition of the troposphere over the Indian Ocean during the monsoonal transition. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 18981-18995		70
59	Observations of aerosols in the free troposphere and marine boundary layer of the subtropical Northeast Atlantic: Discussion of processes determining their size distribution. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 21315-21328		91
58	Influence of continental outflow events on the aerosol composition at Cheju Island, South Korea. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 28551-28574		78
57	Characterization of tropospheric aerosols over the oceans with the NOAA advanced very high resolution radiometer optical thickness operational product. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 16889-16909		573
56	A large silicon-aluminum aerosol plume in Central Illinois: North African desert dust?. <i>Atmospheric Environment</i> , <b>1996</b> , 30, 3789-3799	5.3	51
55	Origin of Bermuda's clay-rich Quaternary paleosols and their paleoclimatic significance. <i>Journal of Geophysical Research</i> , <b>1996</b> , 101, 23389-23400		45
54	Results of the pre-ace 2 campaigns in the subtropical North Atlantic <b>1996</b> , 948-951		1
53	Temporal variability of summer-time ozone and aerosols in the free troposphere over the eastern North Atlantic. <i>Geophysical Research Letters</i> , <b>1995</b> , 22, 2925-2928	4.9	85
52	Sources of aerosol nitrate and non-sea-salt sulfate in the Iceland region. <i>Science of the Total Environment</i> , <b>1995</b> , 160-161, 181-191	10.2	33

51	Non-sea-salt sulfate and methanesulfonate at American Samoa. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 3587		55
50	Atmosphere beryllium-7 concentrations over the Pacific Ocean. <i>Geophysical Research Letters</i> , <b>1994</b> , 21, 561-564	4.9	22
49	Mineralogy of aeolian dust reaching the North Pacific Ocean: 1. Sampling and analysis. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 21017		94
48	Atmospheric Chemistry and Composition of Air Over the North Atlantic Ocean <b>1994</b> , 19-38		2
47	The temporal and spatial variability of scavenging ratios for NSS sulfate, nitrate, methanesulfonate and sodium in the Atmosphere over the North Atalantic Ocean. <i>Atmospheric Environment Part A General Topics</i> , <b>1993</b> , 27, 235-250		99
46	Photoreduction of iron(III) in marine mineral aerosol solutions. <i>Journal of Geophysical Research</i> , <b>1993</b> , 98, 9039-9046		111
45	Nitrogen and sulfur species in Antarctic aerosols at Mawson, Palmer Station, and Marsh (King George Island). <i>Journal of Atmospheric Chemistry</i> , <b>1993</b> , 17, 95-122	3.2	139
44	Sources of nitrate and ozone in the marine boundary layer of the tropical north Atlantic. <i>Journal of Geophysical Research</i> , <b>1992</b> , 97, 11575		62
43	Nitrogen and sulfur species in acrosols at Mawson, Antarctica, and their relationship to natural radionuclides. <i>Journal of Atmospheric Chemistry</i> , <b>1992</b> , 14, 181-204	3.2	90
42	Trace elements in aerosol particles from Bermuda and Barbados: Concentrations, sources and relationships to aerosol sulfate. <i>Journal of Atmospheric Chemistry</i> , <b>1992</b> , 14, 439-457	3.2	90
41	The solubility of ferric ion in marine mineral aerosol solutions at ambient relative humidities. <i>Marine Chemistry</i> , <b>1992</b> , 38, 91-107	3.7	120
40	The atmospheric input of trace species to the world ocean. <i>Global Biogeochemical Cycles</i> , <b>1991</b> , 5, 193-259		1272
39	The Long-Range Transport of Mineral Aerosols: Group Report <b>1990</b> , 197-229		12
38	Mineral-Aerosol Transport to the North Atlantic and North Pacific: The Impact of African and Asian Sources <b>1990</b> , 59-86		29
37	The use of Whatman 41 filters for high volume aerosol sampling. <i>Atmospheric Environment</i> , <b>1989</b> , 23, 2861		7
36	Nitrate in the atmospheric boundary layer of the tropical South Pacific: Implications regarding sources and transport. <i>Journal of Atmospheric Chemistry</i> , <b>1989</b> , 8, 391-415	3.2	45
35	Comparison of oceanic and continental sources of non-sea-salt sulphate over the Pacific Ocean. <i>Nature</i> , <b>1989</b> , 339, 685-687	50.4	227
34	Effect of continental sources on nitrate concentrations over the Pacific Ocean. <i>Nature</i> , <b>1989</b> , 339, 687-689	50.4	196

33	Non-sea-salt sulfate and nitrate in trade wind aerosols at Barbados: Evidence for long-range transport. <i>Journal of Geophysical Research</i> , <b>1989</b> , 94, 5069		151
32	Neodymium isotopes as tracers in marine sediments and aerosols: North Atlantic. <i>Earth and Planetary Science Letters</i> , <b>1988</b> , 87, 367-378	5.3	198
31	Aerosol residence times and iodine gas/particle conversion over the North Pacific as determined from Chernobyl radioactivity.. <i>Geochemical Journal</i> , <b>1988</b> , 22, 157-163	0.9	26
30	Atmospheric selenium: Geographical distribution and ocean to atmosphere flux in the Pacific. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 13277		42
29	Deposition rate of particulate and dissolved aluminum derived from saharan dust in precipitation at Miami, Florida. <i>Journal of Geophysical Research</i> , <b>1987</b> , 92, 14723		144
28	Spatial and diel variability in the emissions of some biogenic sulfur compounds from a Florida <i>Spartina alterniflora</i> coastal zone. <i>Atmospheric Environment</i> , <b>1987</b> , 21, 987-990		24
27	Short-term variability in biogenic sulphur emissions from a florida <i>spartina alterniflora</i> marsh. <i>Atmospheric Environment</i> , <b>1987</b> , 21, 7-12		48
26	Washout ratios of nitrate, non-sea-salt sulfate and sea-salt on Virginia key, Florida and on American Samoa. <i>Atmospheric Environment</i> , <b>1987</b> , 21, 103-112		31
25	Frequency distribution of dust concentration in Barbados as a function of averaging time. <i>Atmospheric Environment</i> , <b>1987</b> , 21, 1659-1663		10
24	Methanesulfonic acid and non-sea-salt sulfate in pacific air: Regional and seasonal variations. <i>Journal of Atmospheric Chemistry</i> , <b>1986</b> , 4, 227-240	3.2	145
23	Impact of the North African drought and El Niño on mineral dust in the Barbados trade winds. <i>Nature</i> , <b>1986</b> , 320, 735-738	50.4	364
22	Dynamics and composition of particles from an aeolian input event to the Sargasso Sea. <i>Journal of Geophysical Research</i> , <b>1986</b> , 91, 1055		34
21	Deposition of atmospheric mineral particles in the North Pacific Ocean. <i>Journal of Atmospheric Chemistry</i> , <b>1985</b> , 3, 123-138	3.2	194
20	Major Asian aeolian inputs indicated by the mineralogy of aerosols and sediments in the western North Pacific. <i>Nature</i> , <b>1985</b> , 314, 84-86	50.4	133
19	Magnetic differentiation of atmospheric dusts. <i>Nature</i> , <b>1985</b> , 317, 516-518	50.4	85
18	The Deposition of Sulfur and Nitrogen from the Remote Atmosphere Working-Group Report <b>1985</b> , 177-200		3
17	Deposition of Atmospheric Mineral Particles in the North Pacific Ocean <b>1985</b> , 121-136		
16	Transport of mineral aerosol from Asia Over the North Pacific Ocean. <i>Journal of Geophysical Research</i> , <b>1983</b> , 88, 5343-5352		451



15	Particle size distribution of nitrate and sulfate in the marine atmosphere. <i>Geophysical Research Letters</i> , <b>1982</b> , 9, 1207-1210	4.9	191
14	Saharan air outbreaks over the tropical North Atlantic. <i>Pure and Applied Geophysics</i> , <b>1981</b> , 119, 677-691	2.2	92
13	Atmospheric transport of soil dust from Africa to South America. <i>Nature</i> , <b>1981</b> , 289, 570-572	50.4	430
12	Saharan Air Outbreaks Over the Tropical North Atlantic <b>1981</b> , 677-691		3
11	Arid regions as sources of mineral aerosols in the marine atmosphere. <i>Special Paper of the Geological Society of America</i> , <b>1981</b> , 71-86		50
10	Saharan aerosols over the tropical North Atlantic [Mineralogy]. <i>Marine Geology</i> , <b>1980</b> , 37, 295-321	3.3	354
9	Hydrogen sulfide in the atmosphere of the northern equatorial Atlantic Ocean and its relation to the global sulfur cycle. <i>Atmospheric Environment</i> , <b>1978</b> , 12, 981-991		58
8	The Large-Scale Movement of Saharan Air Outbreaks over the Northern Equatorial Atlantic. <i>Journal of Applied Meteorology</i> , <b>1972</b> , 11, 283-297		518
7	Uranium and thorium concentrations in wind-borne Saharan dust over the Western Equatorial North Atlantic Ocean. <i>Earth and Planetary Science Letters</i> , <b>1972</b> , 14, 397-402	5.3	18
6	Working symposium on sea-air chemistry: Summary and recommendations. <i>Journal of Geophysical Research</i> , <b>1972</b> , 77, 5059-5061		27
5	Vertical and areal distribution of Saharan dust over the western equatorial north Atlantic Ocean. <i>Journal of Geophysical Research</i> , <b>1972</b> , 77, 5255-5265		500
4	Dust in the Caribbean atmosphere traced to an African dust storm. <i>Earth and Planetary Science Letters</i> , <b>1970</b> , 9, 287-293	5.3	170
3	Continental dust in the atmosphere of the Eastern Equatorial Pacific. <i>Journal of Geophysical Research</i> , <b>1969</b> , 74, 3362-3371		101
2	Microplastics and nanoplastics in the marine-atmosphere environment. <i>Nature Reviews Earth &amp; Environment</i> ,	30.2	8
1	Interannual variability in the source location of North African dust transported to the Amazon. <i>Geophysical Research Letters</i> ,	4.9	0