

Peter Knippertz

List of Publications by Year in descending order

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Version: 2024-02-01

163
papers

8,612
citations

50244

46
h-index

71651

76
g-index

234
all docs

234
docs citations

234
times ranked

6716
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical profiling of convective dust plumes in southern Morocco during SAMUM. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 340.	0.8	68
2	Vertical profiling of Saharan dust with Raman lidars and airborne HSRL in southern Morocco during SAMUM. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 144.	0.8	196
3	Desert dust aerosol air mass mapping in the western Sahara, using particle properties derived from space-based multi-angle imaging. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 239.	0.8	57
4	Dust mobilization and transport in the northern Sahara during SAMUM 2006 – a meteorological overview. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 12.	0.8	79
5	Saharan dust absorption and refractive index from aircraft-based observations during SAMUM 2006. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 118.	0.8	156
6	Size distribution, mass concentration, chemical and mineralogical composition and derived optical parameters of the boundary layer aerosol at Tinfou, Morocco, during SAMUM 2006. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 32.	0.8	321
7	Regional Saharan dust modelling during the SAMUM 2006 campaign. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 307.	0.8	48
8	Depolarization ratio profiling at several wavelengths in pure Saharan dust during SAMUM 2006. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 165.	0.8	436
9	EARLINET observations of the 14–22-May long-range dust transport event during SAMUM 2006: validation of results from dust transport modelling. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 325.	0.8	47
10	Dust mobilization and aerosol transport from West Africa to Cape Verde – a meteorological overview of SAMUM-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 63, 430.	0.8	29
11	Regional modelling of Saharan dust and biomass-burning smoke: Part 1: Model description and evaluation. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 63, 781.	0.8	47
12	Sensitivity of low-level clouds and precipitation to anthropogenic aerosol emission in southern West Africa: a DACCWA case study. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3251-3273.	1.9	3
13	The intricacies of identifying equatorial waves. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 2814-2852.	1.0	12
14	The potential of increasing man-made air pollution to reduce rainfall over southern West Africa. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 35-55.	1.9	7
15	Statistical Forecasts for the Occurrence of Precipitation Outperform Global Models over Northern Tropical Africa. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091022.	1.5	9
16	Waves to Weather: Exploring the Limits of Predictability of Weather. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E2151-E2164.	1.7	5
17	The impact of GPS and high-resolution radiosonde nudging on the simulation of heavy precipitation during HyMeX IOP6. <i>Weather and Climate Dynamics</i> , 2021, 2, 561-580.	1.2	5
18	A Lagrangian Perspective on Stable Water Isotopes During the West African Monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034895.	1.2	10

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19	Disentangling different moisture transport pathways over the eastern subtropical North Atlantic using multi-platform isotope observations and high-resolution numerical modelling. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16319-16347.	1.9	12
20	The global and multi-annual MUSICA IASI {H<sub>2</sub>O, <i>i</i>D} pair dataset. <i>Earth System Science Data</i> , 2021, 13, 5273-5292.	3.7	10
21	An evaluation of operational and research weather forecasts for southern West Africa using observations from the DACCIWA field campaign in June<sup>a</sup<sup>e</sup</sup>July 2016. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 1121-1148.	1.0	16
22	Dynamics of sting<sup>a</sup<sup>e</sup</sup>jet storm <i>Egon</i> over continental Europe: Impact of surface properties and model resolution. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 186-210.	1.0	11
23	Formation of Wind Gusts in an Extratropical Cyclone in Light of Doppler Lidar Observations and Large-Eddy Simulations. <i>Monthly Weather Review</i> , 2020, 148, 353-375.	0.5	7
24	Unexpected Biomass Burning Aerosol Absorption Enhancement Explained by Black Carbon Mixing State. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089055.	1.5	20
25	Synoptic-scale controls of fog and low-cloud variability in the Namib Desert. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3415-3438.	1.9	14
26	Three<sup>a</sup<sup>e</sup</sup>dimensional pathways of dust over the Sahara during summer 2011 as revealed by new Infrared Atmospheric Sounding Interferometer observations. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 2731-2755.	1.0	16
27	Downward cloud venting of the central African biomass burning plume during the West Africa summer monsoon. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5373-5390.	1.9	3
28	The influence of DACCIWA radiosonde data on the quality of ECMWF analyses and forecasts over southern West Africa. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 1719-1739.	1.0	10
29	A Process-Based Validation of GPM IMERG and Its Sources Using a Mesoscale Rain Gauge Network in the West African Forest Zone. <i>Journal of Hydrometeorology</i> , 2020, 21, 729-749.	0.7	38
30	Overview of aerosol optical properties over southern West Africa from DACCIWA aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4735-4756.	1.9	27
31	The role of observed cloud<sup>a</sup<sup>e</sup</sup>radiative anomalies for the dynamics of the North Atlantic Oscillation on synoptic time<sup>a</sup<sup>e</sup</sup>scales. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 1822-1841.	1.0	7
32	Structure, Process, and Mechanism. , 2020, , 15-43.		8
33	Skill of Global Raw and Postprocessed Ensemble Predictions of Rainfall in the Tropics. <i>Weather and Forecasting</i> , 2020, 35, 2367-2385.	0.5	17
34	Resolving Sahelian thunderstorms improves mid-latitude weather forecasts. <i>Nature Communications</i> , 2019, 10, 3487.	5.8	27
35	Aerosol influences on low-level clouds in the West African monsoon. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8503-8522.	1.9	19
36	Tropical Transition of Hurricane Chris (2012) over the North Atlantic Ocean: A Multiscale Investigation of Predictability. <i>Monthly Weather Review</i> , 2019, 147, 951-970.	0.5	7

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37	Climatology of coastal wind regimes in Benin. <i>Meteorologische Zeitschrift</i> , 2019, 28, 23-39.	0.5	8
38	Revisiting interannual to decadal teleconnections influencing seasonal rainfall in the Greater Horn of Africa during the 20th century. <i>International Journal of Climatology</i> , 2019, 39, 2765-2785.	1.5	43
39	Interactions between Convection and a Moist Vortex Associated with an Extreme Rainfall Event over Southern West Africa. <i>Monthly Weather Review</i> , 2019, 147, 2309-2328.	0.5	19
40	Diurnal cycle of coastal anthropogenic pollutant transport over southern West Africa during the DACCIWA campaign. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 473-497.	1.9	24
41	The role of low-level clouds in the West African monsoon system. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1623-1647.	1.9	15
42	A Systematic Comparison of Tropical Waves over Northern Africa. Part II: Dynamics and Thermodynamics. <i>Journal of Climate</i> , 2019, 32, 2605-2625.	1.2	20
43	Remote biomass burning dominates southern West African air pollution during the monsoon. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 15217-15234.	1.9	29
44	A Systematic Comparison of Tropical Waves over Northern Africa. Part I: Influence on Rainfall. <i>Journal of Climate</i> , 2019, 32, 1501-1523.	1.2	35
45	The Dynamics of Aerosol-Cloud Interactions in West Africa Field Campaign: Overview and Research Highlights. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 83-104.	1.7	62
46	Skill of Global Raw and Postprocessed Ensemble Predictions of Rainfall over Northern Tropical Africa. <i>Weather and Forecasting</i> , 2018, 33, 369-388.	0.5	62
47	An overview of the diurnal cycle of the atmospheric boundary layer during the West African monsoon season: results from the 2016 observational campaign. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2913-2928.	1.9	48
48	Assessing the role of anthropogenic and biogenic sources on PM _{2.5} over southern West Africa using aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 757-772.	1.9	26
49	The devil in the detail of storms. <i>Environmental Research Letters</i> , 2018, 13, 051001.	2.2	2
50	Aerosol liquid water content in the moist southern West African monsoon layer and its radiative impact. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14271-14295.	1.9	20
51	The mysterious long-range transport of giant mineral dust particles. <i>Science Advances</i> , 2018, 4, eaau2768.	4.7	147
52	Status and future of numerical atmospheric aerosol prediction with a focus on data requirements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10615-10643.	1.9	64
53	Numerical simulations of aerosol radiative effects and their impact on clouds and atmospheric dynamics over southern West Africa. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9767-9788.	1.9	36
54	Aerosol distribution in the northern Gulf of Guinea: local anthropogenic sources, long-range transport, and the role of coastal shallow circulations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12363-12389.	1.9	21

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55	Quantifying the Contribution of Different Cloud Types to the Radiation Budget in Southern West Africa. <i>Journal of Climate</i> , 2018, 31, 5273-5291.	1.2	33
56	Forecasting wind gusts in winter storms using a calibrated convection-permitting ensemble. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 1864-1881.	1.0	21
57	Rainfall types over southern West Africa: Objective identification, climatology and synoptic environment. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 1628-1648.	1.0	57
58	Why Do Global Climate Models Struggle to Represent Low-Level Clouds in the West African Summer Monsoon?. <i>Journal of Climate</i> , 2017, 30, 1665-1687.	1.2	56
59	Global Climatologies of Eulerian and Lagrangian Flow Features based on ERA-Interim. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1739-1748.	1.7	108
60	New Saharan wind observations reveal substantial biases in analysed dust-generating winds. <i>Atmospheric Science Letters</i> , 2017, 18, 366-372.	0.8	20
61	Extreme Precipitation in the West African Cities of Dakar and Ouagadougou: Atmospheric Dynamics and Implications for Flood Risk Assessments. <i>Journal of Hydrometeorology</i> , 2017, 18, 2937-2957.	0.7	46
62	Birth of the Biscane. <i>Weather</i> , 2017, 72, 236-241.	0.6	3
63	Large-eddy simulations over Germany using ICON: a comprehensive evaluation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 69-100.	1.0	175
64	Drivers for the deepening of severe European windstorms and their impacts on forecast quality. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 309-320.	1.0	11
65	A meteorological and chemical overview of the DACCIWA field campaign in West Africa in June–July 2016. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10893-10918.	1.9	62
66	Revealing the meteorological drivers of the September 2015 severe dust event in the Eastern Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13573-13604.	1.9	30
67	Revisiting the synoptic-scale predictability of severe European winter storms using ECMWF ensemble reforecasts. <i>Natural Hazards and Earth System Sciences</i> , 2017, 17, 1795-1810.	1.5	9
68	Dust Devil Sediment Transport: From Lab to Field to Global Impact. <i>Space Sciences Series of ISSI</i> , 2017, , 377-426.	0.0	1
69	Modeling haboob dust storms in large-scale weather and climate models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2090-2109.	1.2	34
70	Identifying errors in dust models from data assimilation. <i>Geophysical Research Letters</i> , 2016, 43, 9270-9279.	1.5	33
71	Dust Devil Sediment Transport: From Lab to Field to Global Impact. <i>Space Science Reviews</i> , 2016, 203, 377-426.	3.7	35
72	Weakening and moistening of the summertime Saharan heat low through convective cold pools from the Atlas Mountains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 3907-3928.	1.2	6

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73	Can we trust climate models to realistically represent severe European windstorms?. <i>Climate Dynamics</i> , 2016, 46, 3431-3451.	1.7	9
74	A process-based evaluation of dust-emitting winds in the CMIP5 simulation of HadGEM2-ES. <i>Climate Dynamics</i> , 2016, 46, 1107-1130.	1.7	23
75	On What Scale Can We Predict the Agronomic Onset of the West African Monsoon?. <i>Monthly Weather Review</i> , 2016, 144, 1571-1589.	0.5	6
76	The importance of Harmattan surges for the emission of North African dust aerosol. <i>Geophysical Research Letters</i> , 2015, 42, 9495-9504.	1.5	16
77	The importance of rare, high-wind events for dust uplift in northern Africa. <i>Geophysical Research Letters</i> , 2015, 42, 8208-8215.	1.5	37
78	The sensitivity of nocturnal low-level jets and near-surface winds over the Sahel to model resolution, initial conditions and boundary-layer setup. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 1442-1456.	1.0	23
79	Lagrangian dust model simulations for a case of moist convective dust emission and transport in the western Sahara region during Fennec/LADUNEX. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 6117-6144.	1.2	20
80	The West African Monsoon Onset: A Concise Comparison of Definitions. <i>Journal of Climate</i> , 2015, 28, 8673-8694.	1.2	67
81	Idealized large-eddy simulations of nocturnal low-level jets over subtropical desert regions and implications for dust-generating winds. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 1740-1752.	1.0	12
82	An Objective Detection Method for Convective Cold Pool Events and Its Application to Northern Africa. <i>Monthly Weather Review</i> , 2015, 143, 5055-5072.	0.5	15
83	The DACCIWA Project: Dynamics-Aerosol-Chemistry-Cloud Interactions in West Africa. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1451-1460.	1.7	84
84	Quantifying global dust devil occurrence from meteorological analyses. <i>Geophysical Research Letters</i> , 2015, 42, 1275-1282.	1.5	49
85	Disagreements in Low-Level Moisture between (Re)Analyses over Summertime West Africa. <i>Monthly Weather Review</i> , 2015, 143, 1193-1211.	0.5	29
86	Cloud Banding and Winds in Intense European Cyclones: Results from the DIAMET Project. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 249-265.	1.7	32
87	A Parameterization of Convective Dust Storms for Models with Mass-Flux Convection Schemes. <i>Journals of the Atmospheric Sciences</i> , 2015, 72, 2545-2561.	0.6	42
88	The possible role of local air pollution in climate change in West Africa. <i>Nature Climate Change</i> , 2015, 5, 815-822.	8.1	109
89	The formation of a large summertime Saharan dust plume: Convective and synoptic-scale analysis. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1766-1785.	1.2	37
90	Meteorological Aspects of Dust Storms. , 2014, , 121-147.		28

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91	Equatorward breaking Rossby waves over the North Atlantic and Mediterranean region in the ECMWF operational Ensemble Prediction System. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 58-71.	1.0	12
92	A climatology of dust emission events from northern Africa using long-term surface observations. Atmospheric Chemistry and Physics, 2014, 14, 8579-8597.	1.9	55
93	How important are atmospheric depressions and mobile cyclones for emitting mineral dust aerosol in North Africa?. Atmospheric Chemistry and Physics, 2014, 14, 8983-9000.	1.9	57
94	Impact of Dust Radiative Forcing upon Climate. , 2014, , 327-357.		61
95	Formation and Maintenance of Nocturnal Low-Level Stratus over the Southern West African Monsoon Region during AMMA 2006. Journals of the Atmospheric Sciences, 2013, 70, 2337-2355.	0.6	45
96	Flying through extratropical cyclone Friedhelm. Weather, 2013, 68, 9-13.	0.6	10
97	The role of deep convection and nocturnal low-level jets for dust emission in summertime West Africa: Estimates from convection-permitting simulations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4385-4400.	1.2	139
98	The predictability of precipitation episodes during the West African dry season. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 1047-1058.	1.0	7
99	Are vegetation-related roughness changes the cause of the recent decrease in dust emission from the Sahel?. Geophysical Research Letters, 2013, 40, 1868-1872.	1.5	80
100	Climatology of nocturnal low-level jets over North Africa and implications for modeling mineral dust emission. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6100-6121.	1.2	115
101	An Objective Climatology of Tropical Plumes. Journal of Climate, 2013, 26, 5044-5060.	1.2	33
102	A Global Climatology of Tropical Moisture Exports. Journal of Climate, 2013, 26, 3031-3045.	1.2	78
103	Dust may cool polar regions. Nature Climate Change, 2013, 3, 443-444.	8.1	0
104	The <i>Braer</i> storm revisited. Weather, 2013, 68, 105-111.	0.6	11
105	The role of moist convection in the West African monsoon system: Insights from continental-scale convection-permitting simulations. Geophysical Research Letters, 2013, 40, 1843-1849.	1.5	177
106	The Ewim Nimdie Summer School Series in Ghana: Capacity Building in Meteorological Education and Research—Lessons Learned and Future Prospects. Bulletin of the American Meteorological Society, 2012, 93, 595-601.	1.7	5
107	The Ewim Nimdie Summer School Series in Ghana: Capacity Building in Meteorological Education and Research, Lessons Learned, and Future Prospects. Bulletin of the American Meteorological Society, 2012, 93, ES47-ES47.	1.7	0
108	The “Year” of Tropical Convection (May 2008–April 2010): Climate Variability and Weather Highlights. Bulletin of the American Meteorological Society, 2012, 93, 1189-1218.	1.7	164

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109	Orographic Effects and Evaporative Cooling along a Subtropical Cold Front: The Case of the Spectacular Saharan Dust Outbreak of March 2004. <i>Monthly Weather Review</i> , 2012, 140, 2520-2533.	0.5	10
110	Convective Squalls over the Eastern Equatorial Atlantic. <i>Weather and Forecasting</i> , 2012, 27, 770-783.	0.5	5
111	Climate of the Mediterranean. , 2012, , 301-346.		78
112	Haboobs: convectively generated dust storms in West Africa. <i>Weather</i> , 2012, 67, 311-316.	0.6	36
113	A critical evaluation of the ability of the Spinning Enhanced Visible and Infrared Imager (SEVIRI) thermal infrared red-green-blue rendering to identify dust events: Theoretical analysis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	81
114	Mineral dust aerosols over the Sahara: Meteorological controls on emission and transport and implications for modeling. <i>Reviews of Geophysics</i> , 2012, 50, .	9.0	269
115	Diagnosing the influence of diabatic processes on the explosive deepening of extratropical cyclones. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	73
116	Evidence for flash floods over deserts from loss of coherence in InSAR imagery. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	21
117	The importance of the representation of deep convection for modeled dust-generating winds over West Africa during summer. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	135
118	Ultra-low clouds over the southern West African monsoon region. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	63
119	The vertical cloud structure of the West African monsoon: A 4 year climatology using CloudSat and CALIPSO. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	51
120	Soudano-Saharan depressions and their importance for precipitation and dust: a new perspective on a classical synoptic concept. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 1431-1445.	1.0	28
121	Heavy Precipitation at the Alpine South Side and Saharan Dust over Central Europe: A Predictability Study Using TIGGE. <i>Weather and Forecasting</i> , 2011, 26, 957-974.	0.5	11
122	Research flight observations of a prefrontal gravity wave near the southwestern UK. <i>Weather</i> , 2010, 65, 293-297.	0.6	8
123	Northward bursts of the West African monsoon leading to rainfall over the Hoggar Massif, Algeria. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 174-189.	1.0	41
124	Links between African easterly waves, midlatitude circulation and intraseasonal pulsations of the West African heat low. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 141-158.	1.0	59
125	Introduction to the AMMA Special Issue on "Advances in understanding atmospheric processes over West Africa through the AMMA field campaign". <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 2-7.	1.0	35
126	A Lagrangian Climatology of Tropical Moisture Exports to the Northern Hemispheric Extratropics. <i>Journal of Climate</i> , 2010, 23, 987-1003.	1.2	186

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127	Mineral dust observed with AERONET Sun photometer, Raman lidar, and in situ instruments during SAMUM 2006: Shape-independent particle properties. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	49
128	The central west Saharan dust hot spot and its relation to African easterly waves and extratropical disturbances. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	100
129	Climatology of convective density currents in the southern foothills of the Atlas Mountains. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	39
130	Prediction of Dry-Season Precipitation in Tropical West Africa and Its Relation to Forcing from the Extratropics. <i>Weather and Forecasting</i> , 2009, 24, 1064-1084.	0.5	27
131	Dynamics and Predictability of a Heavy Dry-Season Precipitation Event over West Africa—Sensitivity Experiments with a Global Model. <i>Monthly Weather Review</i> , 2009, 137, 189-206.	0.5	16
132	The impact of a mesoscale convective system cold pool on the northward propagation of the intertropical discontinuity over West Africa. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 139-159.	1.0	54
133	Simulations of convectively-driven density currents in the Atlas region using a regional model: Impacts on dust emission and sensitivity to horizontal resolution and convection schemes. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	38
134	High-resolution simulations of convective cold pools over the northwestern Sahara. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	50
135	Dust mobilization and transport in the northern Sahara during SAMUM 2006 – a meteorological overview. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009, 61, .	0.8	1
136	Size distribution, mass concentration, chemical and mineralogical composition and derived optical parameters of the boundary layer aerosol at Tinfou, Morocco, during SAMUM 2006. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009, 61, .	0.8	3
137	Depolarization ratio profiling at several wavelengths in pure Saharan dust during SAMUM 2006. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009, 61, .	0.8	3
138	EARLINET observations of the 14–22-May long-range dust transport event during SAMUM 2006: validation of results from dust transport modelling. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009, 61, .	0.8	2
139	Vertical profiling of convective dust plumes in southern Morocco during SAMUM. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2009, 61, .	0.8	1
140	Dust emissions over the Sahel associated with the West African monsoon intertropical discontinuity region: A representative case study. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2008, 134, 621-634.	1.0	152
141	Influence of Saharan dust on cloud glaciation in southern Morocco during the Saharan Mineral Dust Experiment. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	156
142	Dry-Season Precipitation in Tropical West Africa and Its Relation to Forcing from the Extratropics. <i>Monthly Weather Review</i> , 2008, 136, 3579-3596.	0.5	54
143	Regional Model Simulations of the Bodéï Low-Level Jet of Northern Chad during the Bodéï Dust Experiment (BoDEx 2005). <i>Journal of Climate</i> , 2008, 21, 995-1012.	1.2	95
144	Moroccan Climate in the Present and Future: Combined View from Observational Data and Regional Climate Scenarios. <i>Environmental Science</i> , 2008, , 29-45.	0.1	19

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145	Identification and global climatology of upper-level troughs at low latitudes. <i>Meteorologische Zeitschrift</i> , 2008, 17, 565-573.	0.5	16
146	Dust emissions in the West African heat trough the role of the diurnal cycle and of extratropical disturbances. <i>Meteorologische Zeitschrift</i> , 2008, 17, 553-563.	0.5	71
147	A Pacific Moisture Conveyor Belt and Its Relationship to a Significant Precipitation Event in the Semiarid Southwestern United States. <i>Weather and Forecasting</i> , 2007, 22, 125-144.	0.5	58
148	Tropical–extratropical interactions related to upper-level troughs at low latitudes. <i>Dynamics of Atmospheres and Oceans</i> , 2007, 43, 36-62.	0.7	68
149	Dust mobilization due to density currents in the Atlas region: Observations from the Saharan Mineral Dust Experiment 2006 field campaign. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	113
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