

Christel Bouet

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

504
citations

840776

11
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

642
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying uncertainty in estimates of mineral dust flux: An intercomparison of model performance over the Bodéi Depression, northern Chad. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	144
2	Dust as a tipping element: The Bodéi Depression, Chad. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20564-20571.	7.1	82
3	Dynamics of wind erosion and impact of vegetation cover and land use in the Sahel: A case study on sandy dunes in southeastern Niger. <i>Catena</i> , 2019, 177, 272-285.	5.0	48
4	How long does precipitation inhibit wind erosion in the Sahel?. <i>Geophysical Research Letters</i> , 2016, 43, 6643-6649.	4.0	40
5	Impact of vegetation and soil moisture seasonal dynamics on dust emissions over the Sahel. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	33
6	Mesoscale modeling of aeolian dust emission during the BoDEx 2005 experiment. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	22
7	Dissimilarity Between Dust, Heat, and Momentum Turbulent Transports During Aeolian Soil Erosion. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1064-1089.	3.3	22
8	Influence of Atmospheric Stability on the Size Distribution of the Vertical Dust Flux Measured in Eroding Conditions Over a Flat Bare Sandy Field. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031185.	3.3	18
9	Aerodynamic Parameters Over an Eroding Bare Surface: Reconciliation of the Law of the Wall and Eddy Covariance Determinations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4490-4508.	3.3	17
10	Bioturbation and soil resistance to wind erosion in Southern Tunisia. <i>Geoderma</i> , 2021, 403, 115198.	5.1	13
11	Surface wind accuracy for modeling mineral dust emissions: Comparing two regional models in a Bodéi case study. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	12
12	Impact of Desert Dust on Air Quality: What is the Meaningfulness of Daily PM Standards in Regions Close to the Sources? The Example of Southern Tunisia. <i>Atmosphere</i> , 2019, 10, 452.	2.3	11
13	A model tool for assessing real-time mixing of mineral and anthropogenic pollutants in East Asia: a case study of April 2005. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3603-3622.	4.9	10
14	Sensitivity of desert dust emissions to model horizontal grid spacing during the Bodéi Dust Experiment 2005. <i>Atmospheric Environment</i> , 2012, 50, 377-380.	4.1	9
15	Comparison Between Eddy Covariance and Flux Gradient Size Resolved Dust Fluxes During Wind Erosion Events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034735.	3.3	6
16	What is the effect of cloud inhomogeneities on actinic fluxes and chemical species concentrations?. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	5
17	Quantification des flux d'érosion éolienne au cours d'une transition champ-jachère au Sahel (Banizoumbou, Niger). <i>Physio-Géo</i> , 2018, , 125-142.	0.4	4
18	Unraveling the Roles of Saltation Bombardment and Atmospheric Instability on Magnitude and Size Distribution of Dust Emission Fluxes: Lessons From the JADE and WINDAVE Experiments. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	4

#	ARTICLE	IF	CITATIONS
19	Wind erosion response to past and future agro-pastoral trajectories in the Sahel (Niger). <i>Landscape Ecology</i> , 2022, 37, 529-550.	4.2	3
20	Differences in the Efficiency of the Vertical Transfer of Windblown Sediment over Different Ploughed Surfaces during Wind Erosion Events. <i>Land</i> , 2021, 10, 511.	2.9	0