Stephanie Horion

List of Publications by Year
in descending order

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35	2,257	304743	395702
papers	citations	22 h-index	33 g-index

42	42	42	2807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Increased vegetation growth and carbon stock in China karst via ecological engineering. Nature Sustainability, 2018, 1, 44-50.	23.7	460
2	Forest management in southern China generates short term extensive carbon sequestration. Nature Communications, 2020, 11, 129.	12.8	259
3	Evaluating temporal consistency of long-term global NDVI datasets for trend analysis. Remote Sensing of Environment, 2015, 163, 326-340.	11.0	232
4	Assessing Land Degradation/Recovery in the African Sahel from Long-Term Earth Observation Based Primary Productivity and Precipitation Relationships. Remote Sensing, 2013, 5, 664-686.	4.0	171
5	Drought footprint on <scp>E</scp>uropean ecosystems between 1999 and 2010 assessed by remotely sensed vegetation phenology and productivity. Global Change Biology, 2014, 20, 581-593.	9.5	109
6	Dynamics of Cholera Outbreaks in Great Lakes Region of Africa, 1978â€“2008. Emerging Infectious Diseases, 2011, 17, 2026-34.	4.3	100
7	Recent divergence in the contributions of tropical and boreal forests to the terrestrial carbon sink. Nature Ecology and Evolution, 2020, 4, 202-209.	7.8	93
8	Ecosystem properties of semiarid savanna grassland in West Africa and its relationship with environmental variability. Global Change Biology, 2015, 21, 250-264.	9.5	91
9	Revealing turning points in ecosystem functioning over the Northern Eurasian agricultural frontier. Global Change Biology, 2016, 22, 2801-2817.	9.5	71
10	Ecological engineering projects increased vegetation cover, production, and biomass in semiarid and subhumid Northern China. Land Degradation and Development, 2019, 30, 1620-1631.	3.9	71
11	The humanâ€“environment nexus and vegetationâ€“rainfall sensitivity in tropical drylands. Nature Sustainability, 2021, 4, 25-32.	23.7	60
12	Dynamics in carbon exchange fluxes for a grazed semi-arid savanna ecosystem in West Africa. Agriculture, Ecosystems and Environment, 2015, 205, 15-24.	5.3	51
13	Satellite remote sensing for soil mapping in Africa. Progress in Physical Geography, 2012, 36, 514-538.	3.2	45
14	Using earth observation-based dry season NDVI trends for assessment of changes in tree cover in the Sahel. International Journal of Remote Sensing, 2014, 35, 2493-2515.	2.9	44
15	Globalâ€scale characterization of turning points in arid and semiâ€arid ecosystem functioning. Global Ecology and Biogeography, 2020, 29, 1230-1245.	5.8	43
16	Mapping European ecosystem change types in response to landâ€use change, extreme climate events, and land degradation. Land Degradation and Development, 2019, 30, 951-963.	3.9	34
17	Globalâ€scale mapping of changes in ecosystem functioning from earth observationâ€based trends in total and recurrent vegetation. Global Ecology and Biogeography, 2015, 24, 1003-1017.	5.8	27
18	Spatiotemporal variability in carbon exchange fluxes across the Sahel. Agricultural and Forest Meteorology, 2016, 226-227, 108-118.	4.8	27

#	Article	IF	Citations
19	Towards improved remote sensing based monitoring of dryland ecosystem functioning using sequential linear regression slopes (SeRGS). Remote Sensing of Environment, 2019, 224, 317-332.	11.0	27
20	Global quantification of the bidirectional dependency between soil moisture and vegetation productivity. Agricultural and Forest Meteorology, 2022, 313, 108735.	4.8	26
21	Environmental change in the Sahel: reconciling contrasting evidence and interpretations. Regional Environmental Change, 2016, 16, 673-680.	2.9	25
22	A physiologyâ€based Earth observation model indicates stagnation in the global gross primary production during recent decades. Global Change Biology, 2021, 27, 836-854.	9.5	25
23	Global Biogeographical Pattern of Ecosystem Functional Types Derived From Earth Observation Data. Remote Sensing, 2013, 5, 3305-3330.	4.0	24
24	An assessment of actual evapotranspiration and soil water deficit in agricultural regions in Europe. International Journal of Climatology, 2015, 35, 2451-2471.	3.5	21
25	Very high CO2exchange fluxes at the peak of the rainy season in a West African grazed semi-arid savanna ecosystem. Geografisk Tidsskrift, 2016, 116, 93-109.	0.6	18
26	Modelling spatial and temporal dynamics of gross primary production in the Sahel from earth-observation-based photosynthetic capacity and quantum efficiency. Biogeosciences, 2017, 14, 1333-1348.	3.3	16
27	Thirty Years of Land Cover and Fraction Cover Changes over the Sudano-Sahel Using Landsat Time Series. Remote Sensing, 2020, 12, 3817.	4.0	16
28	Assessing Drivers of Vegetation Changes in Drylands from Time Series of Earth Observation Data. Remote Sensing and Digital Image Processing, 2015, , 183-202.	0.7	14
29	Global Ecosystem Response Types Derived from the Standardized Precipitation Evapotranspiration Index and FPAR3g Series. Remote Sensing, 2014, 6, 4266-4288.	4.0	13
30	Uncovering Dryland Woody Dynamics Using Optical, Microwave, and Field Dataâ€"Prolonged Above-Average Rainfall Paradoxically Contributes to Woody Plant Die-Off in the Western Sahel. Remote Sensing, 2020, 12, 2332.	4.0	12
31	Contrasting responses of woody and herbaceous vegetation to altered rainfall characteristics in the Sahel. Biogeosciences, 2021, 18, 77-93.	3.3	11
32	Tracking Sustainable Restoration in Agro-Pastoral Ecotone of Northwest China. Remote Sensing, 2021, 13, 5031.	4.0	7
33	Massively-parallel break detection for satellite data. , 2018, , .		2
34	Mapping Sahelian Ecosystem Vulnerability to Vegetation Collapse: Vegetation Model Optimization. , 2021, , .		2
35	Thirty Years of Land Cover and Fraction Cover Changes Over the Sudano-Sahel Using Landsat Time Series. , 2021, , .		0