

# Koen Hufkens

## List of Publications by Citations

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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.

43  
papers

2,787  
citations

27  
h-index

47  
g-index

47  
ext. papers

3,412  
ext. citations

7.7  
avg, IF

5.06  
L-index

#	Paper	IF	Citations
43	Digital repeat photography for phenological research in forest ecosystems. <i>Agricultural and Forest Meteorology</i> , <b>2012</b> , 152, 159-177	5.8	352
42	Above-ground biomass and structure of 260 African tropical forests. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 368, 20120295	5.8	204
41	Linking near-surface and satellite remote sensing measurements of deciduous broadleaf forest phenology. <i>Remote Sensing of Environment</i> , <b>2012</b> , 117, 307-321	13.2	201
40	Terrestrial biosphere model performance for inter-annual variability of land-atmosphere CO2 exchange. <i>Global Change Biology</i> , <b>2012</b> , 18, 1971-1987	11.4	191
39	Tracking vegetation phenology across diverse North American biomes using PhenoCam imagery. <i>Scientific Data</i> , <b>2018</b> , 5, 180028	8.2	187
38	Ecological impacts of a widespread frost event following early spring leaf-out. <i>Global Change Biology</i> , <b>2012</b> , 18, 2365-2377	11.4	168
37	Ecosystem warming extends vegetation activity but heightens vulnerability to cold temperatures. <i>Nature</i> , <b>2018</b> , 560, 368-371	50.4	149
36	Greenness indices from digital cameras predict the timing and seasonal dynamics of canopy-scale photosynthesis <b>2015</b> , 25, 99-115		100
35	Productivity of North American grasslands is increased under future climate scenarios despite rising aridity. <i>Nature Climate Change</i> , <b>2016</b> , 6, 710-714	21.4	99
34	Using data from Landsat, MODIS, VIIRS and PhenoCams to monitor the phenology of California oak/grass savanna and open grassland across spatial scales. <i>Agricultural and Forest Meteorology</i> , <b>2017</b> , 237-238, 311-325	5.8	96
33	Satellite-observed pantropical carbon dynamics. <i>Nature Plants</i> , <b>2019</b> , 5, 944-951	11.5	82
32	Conventional tree height-diameter relationships significantly overestimate aboveground carbon stocks in the Central Congo Basin. <i>Nature Communications</i> , <b>2013</b> , 4, 2269	17.4	81
31	An integrated phenology modelling framework in r. <i>Methods in Ecology and Evolution</i> , <b>2018</b> , 9, 1276-1285	7.7	73
30	Intercomparison of phenological transition dates derived from the PhenoCam Dataset V1.0 and MODIS satellite remote sensing. <i>Scientific Reports</i> , <b>2018</b> , 8, 5679	4.9	71
29	Ecotones in vegetation ecology: methodologies and definitions revisited. <i>Ecological Research</i> , <b>2009</b> , 24, 977-986	1.9	68
28	A tale of two springs: using recent climate anomalies to characterize the sensitivity of temperate forest phenology to climate change. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 054006	6.2	67
27	Seasonal patterns of foliar reflectance in relation to photosynthetic capacity and color index in two co-occurring tree species, <i>Quercus rubra</i> and <i>Betula papyrifera</i> . <i>Agricultural and Forest Meteorology</i> , <b>2012</b> , 160, 60-68	5.8	64

26	Pan-tropical prediction of forest structure from the largest trees. <i>Global Ecology and Biogeography</i> , <b>2018</b> , 27, 1366-1383	6.1	52
25	Monitoring crop phenology using a smartphone based near-surface remote sensing approach. <i>Agricultural and Forest Meteorology</i> , <b>2019</b> , 265, 327-337	5.8	49
24	Limitations to winter and spring photosynthesis of a Rocky Mountain subalpine forest. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 252, 241-255	5.8	45
23	NDVI derived from near-infrared-enabled digital cameras: Applicability across different plant functional types. <i>Agricultural and Forest Meteorology</i> , <b>2018</b> , 249, 275-285	5.8	44
22	Season Spotter: Using Citizen Science to Validate and Scale Plant Phenology from Near-Surface Remote Sensing. <i>Remote Sensing</i> , <b>2016</b> , 8, 726	5	39
21	Tracking vegetation phenology across diverse biomes using Version 2.0 of the PhenoCam Dataset. <i>Scientific Data</i> , <b>2019</b> , 6, 222	8.2	38
20	Model performance of tree height-diameter relationships in the central Congo Basin. <i>Annals of Forest Science</i> , <b>2017</b> , 74, 1	3.1	29
19	Functional community structure of African monodominant forest influenced by local environmental filtering. <i>Ecology and Evolution</i> , <b>2017</b> , 7, 295-304	2.8	29
18	Weather dataset choice introduces uncertainty to estimates of crop yield responses to climate variability and change. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 124089	6.2	28
17	On quantifying the apparent temperature sensitivity of plant phenology. <i>New Phytologist</i> , <b>2020</b> , 225, 1033-1040	9.8	27
16	Testing HopkinsaBioclimatic Law with PhenoCam data. <i>Applications in Plant Sciences</i> , <b>2019</b> , 7, e01228	2.3	24
15	Aboveground vs. Belowground Carbon Stocks in African Tropical Lowland Rainforest: Drivers and Implications. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143209	3.7	19
14	Later springs green-up faster: the relation between onset and completion of green-up in deciduous forests of North America. <i>International Journal of Biometeorology</i> , <b>2018</b> , 62, 1645-1655	3.7	15
13	Assimilating phenology datasets automatically across ICOS ecosystem stations. <i>International Agrophysics</i> , <b>2018</b> , 32, 677-687	2	11
12	Calibrating vegetation phenology from Sentinel-2 using eddy covariance, PhenoCam, and PEP725 networks across Europe. <i>Remote Sensing of Environment</i> , <b>2021</b> , 260, 112456	13.2	11
11	Accuracy assessment of contextual classification results for vegetation mapping. <i>International Journal of Applied Earth Observation and Geoinformation</i> , <b>2012</b> , 15, 7-15	7.3	10
10	Asymmetric responses of ecosystem productivity to rainfall anomalies vary inversely with mean annual rainfall over the conterminous United States. <i>Global Change Biology</i> , <b>2020</b> , 26, 6959-6973	11.4	9
9	Seasonal variation in the canopy color of temperate evergreen conifer forests. <i>New Phytologist</i> , <b>2021</b> , 229, 2586-2600	9.8	9

8	Integrating camera imagery, crowdsourcing, and deep learning to improve high-frequency automated monitoring of snow at continental-to-global scales. <i>PLoS ONE</i> , <b>2018</b> , 13, e0209649	3.7	8
7	Wood anatomy variability under contrasted environmental conditions of common deciduous and evergreen species from central African forests. <i>Trees - Structure and Function</i> , <b>2019</b> , 33, 893-909	2.6	7
6	Large-sized rare tree species contribute disproportionately to functional diversity in resource acquisition in African tropical forest. <i>Ecology and Evolution</i> , <b>2019</b> , 9, 4349-4361	2.8	7
5	Developmental changes in the reflectance spectra of temperate deciduous tree leaves and implications for thermal emissivity and leaf temperature. <i>New Phytologist</i> , <b>2021</b> , 229, 791-804	9.8	5
4	Improving the Performance of Index Insurance Using Crop Models and Phenological Monitoring. <i>Remote Sensing</i> , <b>2021</b> , 13, 924	5	5
3	Validation of the sigmoid wave curve fitting algorithm on a forest-tundra ecotone in the Northwest Territories, Canada. <i>Ecological Informatics</i> , <b>2009</b> , 4, 1-7	4.2	4
2	Historical Aerial Surveys Map Long-Term Changes of Forest Cover and Structure in the Central Congo Basin. <i>Remote Sensing</i> , <b>2020</b> , 12, 638	5	3
1	Habitat reporting of a heathland site: Classification probabilities as additional information, a case study. <i>Ecological Informatics</i> , <b>2010</b> , 5, 248-255	4.2	3