

# Wolfgang Buermann

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

3,572  
citations

236925

25  
h-index

454955

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

4850  
citing authors

#	ARTICLE	IF	CITATIONS
1	Climatic Control of the High-Latitude Vegetation Greening Trend and Pinatubo Effect. <i>Science</i> , 2002, 296, 1687-1689.	12.6	672
2	Summer soil drying exacerbated by earlier spring greening of northern vegetation. <i>Science Advances</i> , 2020, 6, eaax0255.	10.3	258
3	Vegetation productivity patterns at high northern latitudes: a multi-sensor satellite data assessment. <i>Global Change Biology</i> , 2014, 20, 3147-3158.	9.5	243
4	Widespread seasonal compensation effects of spring warming on northern plant productivity. <i>Nature</i> , 2018, 562, 110-114.	27.8	240
5	Evaluation of the MODIS LAI algorithm at a coniferous forest site in Finland. <i>Remote Sensing of Environment</i> , 2004, 91, 114-127.	11.0	206
6	Modeling distribution of Amazonian tree species and diversity using remote sensing measurements. <i>Remote Sensing of Environment</i> , 2008, 112, 2000-2017.	11.0	202
7	Predicting species distributions across the Amazonian and Andean regions using remote sensing data. <i>Journal of Biogeography</i> , 2008, 35, 1160-1176.	3.0	178
8	Multiscale analysis and validation of the MODIS LAI productI. Uncertainty assessment. <i>Remote Sensing of Environment</i> , 2002, 83, 414-430.	11.0	174
9	Earlier springs decrease peak summer productivity in North American boreal forests. <i>Environmental Research Letters</i> , 2013, 8, 024027.	5.2	164
10	Evaluation of the Utility of Satellite-Based Vegetation Leaf Area Index Data for Climate Simulations. <i>Journal of Climate</i> , 2001, 14, 3536-3550.	3.2	152
11	Increasing impact of warm droughts on northern ecosystem productivity over recent decades. <i>Nature Climate Change</i> , 2021, 11, 772-779.	18.8	148
12	Interannual covariability in Northern Hemisphere air temperatures and greenness associated with El Niño-Southern Oscillation and the Arctic Oscillation. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	122
13	Birdsong tuned to the environment: green hylia song varies with elevation, tree cover, and noise. <i>Behavioral Ecology</i> , 2009, 20, 1089-1095.	2.2	104
14	Multiscale analysis and validation of the MODIS LAI productII. Sampling strategy. <i>Remote Sensing of Environment</i> , 2002, 83, 431-441.	11.0	89
15	Analysis of a multiyear global vegetation leaf area index data set. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 14-1.	3.3	85
16	Mapping evolutionary process: a multi-taxa approach to conservation prioritization. <i>Evolutionary Applications</i> , 2011, 4, 397-413.	3.1	84
17	A new parameterization of canopy spectral response to incident solar radiation: case study with hyperspectral data from pine dominant forest. <i>Remote Sensing of Environment</i> , 2003, 85, 304-315.	11.0	61
18	Modeling environmentally associated morphological and genetic variation in a rainforest bird, and its application to conservation prioritization. <i>Evolutionary Applications</i> , 2010, 3, 1-16.	3.1	52

#	ARTICLE	IF	CITATIONS
19	Increasing summer drying in North American ecosystems in response to longer nonfrozen periods. <i>Geophysical Research Letters</i> , 2014, 41, 5476-5483.	4.0	52
20	Seasonal biological carryover dominates northern vegetation growth. <i>Nature Communications</i> , 2021, 12, 983.	12.8	45
21	TESTING ALTERNATIVE HYPOTHESES FOR EVOLUTIONARY DIVERSIFICATION IN AN AFRICAN SONGBIRD: RAINFOREST REFUGIA VERSUS ECOLOGICAL GRADIENTS. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3162-3174.	2.3	43
22	Climate-Driven Variability and Trends in Plant Productivity Over Recent Decades Based on Three Global Products. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006613.	4.9	36
23	Pathogen-Host Associations and Predicted Range Shifts of Human Monkeypox in Response to Climate Change in Central Africa. <i>PLoS ONE</i> , 2013, 8, e66071.	2.5	34
24	Predicting bird song from space. <i>Evolutionary Applications</i> , 2013, 6, 865-874.	3.1	31
25	Predicting alpha diversity of African rain forests: models based on climate and satellite-derived data do not perform better than a purely spatial model. <i>Journal of Biogeography</i> , 2011, 38, 1164-1176.	3.0	30
26	Satellite observations reveal seasonal redistribution of northern ecosystem productivity in response to interannual climate variability. <i>Remote Sensing of Environment</i> , 2020, 242, 111755.	11.0	23
27	Seasonal circulation and Mauna Loa CO <sub>2</sub> variability. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	19
28	Climate-driven shifts in continental net primary production implicated as a driver of a recent abrupt increase in the land carbon sink. <i>Biogeosciences</i> , 2016, 13, 1597-1607.	3.3	12
29	Modeling the Effects of Anthropogenic Habitat Change on Savanna Snake Invasions into African Rainforest. <i>Conservation Biology</i> , 2009, 23, 81-92.	4.7	9
30	Spatial conservation planning framework for assessing conservation opportunities in the Atlantic Forest of Brazil. <i>Applied Geography</i> , 2014, 53, 369-376.	3.7	4