Jens Oldeland

List of Publications by Year
in descending order

94 papers	2,415 citations	236925 25 h-index	233421 45 g-index
97 all docs	97 docs citations	97 times ranked	4018 citing authors

#	Article	IF	Citations
1	Remotely sensed spectral heterogeneity as a proxy of species diversity: Recent advances and open challenges. Ecological Informatics, 2010, 5, 318-329.	5.2	284
2	The Global Index of Vegetationâ€Plot Databases (GIVD): a new resource for vegetation science. Journal of Vegetation Science, 2011, 22, 582-597.	2.2	251
3	Does using species abundance data improve estimates of species diversity from remotely sensed spectral heterogeneity?. Ecological Indicators, 2010, 10, 390-396.	6.3	125
4	Ethnobotanical knowledge and valuation of woody plants species: a comparative analysis of three ethnic groups from the sub-Sahel of Burkina Faso. Environment, Development and Sustainability, 2012, 14, 627-649.	5.0	85
5	Field Spectroscopy in the VNIR-SWIR Region to Discriminate between Mediterranean Native Plants and Exotic-Invasive Shrubs Based on Leaf Tannin Content. Remote Sensing, 2015, 7, 1225-1241.	4.0	83
6	Combining vegetation indices, constrained ordination and fuzzy classification for mapping semi-natural vegetation units from hyperspectral imagery. Remote Sensing of Environment, 2010, 114, 1155-1166.	11.0	79
7	Effects of climate change on the coupled dynamics of water and vegetation in drylands. Ecohydrology, 2010, 3, 226-237.	2.4	77
8	Knowledge and use of wild edible plants in rural communities along Paraguay River, Pantanal, Brazil. Journal of Ethnobiology and Ethnomedicine, 2015, 11, 46.	2.6	62
9	The BIOTA Biodiversity Observatories in Africaâ€"a standardized framework for large-scale environmental monitoring. Environmental Monitoring and Assessment, 2012, 184, 655-678.	2.7	58
10	Evaluation of Continuous VNIR-SWIR Spectra versus Narrowband Hyperspectral Indices to Discriminate the Invasive Acacia longifolia within a Mediterranean Dune Ecosystem. Remote Sensing, 2016, 8, 334.	4.0	58
11	Multi-scale pattern analysis of a mound-building termite species. Insectes Sociaux, 2010, 57, 477-486.	1.2	55
12	Disentangling plant trait responses to livestock grazing from spatioâ€temporal variation: the partial RLQ approach. Journal of Vegetation Science, 2012, 23, 98-113.	2.2	53
13	Mapping Bush Encroaching Species by Seasonal Differences in Hyperspectral Imagery. Remote Sensing, 2010, 2, 1416-1438.	4.0	52
14	Modelling potential distribution of the threatened tree species *Juniperus oxycedrus*: how to evaluate the predictions of different modelling approaches?. Journal of Vegetation Science, 2011, 22, 647-659.	2.2	50
15	LOCAL PERCEPTIONS OF WOODY VEGETATION DYNAMICS IN THE CONTEXT OF A â€˜GREENING SAHELâ€™: A CASE STUDY FROM BURKINA FASO. Land Degradation and Development, 2013, 24, 511-527.	3.9	45
16	Retrieving nitrogen isotopic signatures from fresh leaf reflectance spectra: disentangling Î´15N from biochemical and structural leaf properties. Frontiers in Plant Science, 2015, 6, 307.	3.6	45
17	Detecting myrtle rust (*Austropuccinia psidii*) on lemon myrtle trees using spectral signatures and machine learning. Plant Pathology, 2018, 67, 1114-1121.	2.4	36
18	Ecology and spatial patterns of large-scale vegetation units within the central Namib Desert. Journal of Arid Environments, 2013, 93, 59-79.	2.4	34

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19	The grazing fingerprint: Modelling species responses and trait patterns along grazing gradients in semi-arid Namibian rangelands. Ecological Indicators, 2013, 27, 61-70.	6.3	33
20	Inundation and Fire Shape the Structure of Riparian Forests in the Pantanal, Brazil. PLoS ONE, 2016, 11, e0156825.	2.5	33
21	Heterogeneous environments shape invader impacts: integrating environmental, structural and functional effects by isoscapes and remote sensing. Scientific Reports, 2017, 7, 4118.	3.3	33
22	Spatial Analysis of Land Cover Determinants of Malaria Incidence in the Ashanti Region, Ghana. PLoS ONE, 2011, 6, e17905.	2.5	33
23	Population structure of three woody species in four ethnic domains of the sub‑sahel of Burkina Faso. Land Degradation and Development, 2011, 22, 519-529.	3.9	32
24	Social and ecological constraints on decision making by transhumant pastoralists: a case study from the Moroccan Atlas Mountains. Journal of Mountain Science, 2012, 9, 307-321.	2.0	28
25	Effects of sampling protocol on the shapes of species richness curves. Journal of Biogeography, 2010, 37, 1698-1705.	3.0	26
26	Species, functional groups and community structure in seed banks of the arid Nama Karoo: Grazing impacts and implications for rangeland restoration. Agriculture, Ecosystems and Environment, 2011, 141, 399-409.	5.3	25
27	Weaknesses in the plant competition hypothesis for fairy circle formation and evidence supporting the sand termite hypothesis. Ecological Entomology, 2015, 40, 661-668.	2.2	25
28	Early detection of GPP-related regime shifts after plant invasion by integrating imaging spectroscopy with airborne LiDAR. Remote Sensing of Environment, 2018, 209, 780-792.	11.0	24
29	Multispectral, Aerial Disease Detection for Myrtle Rust (Austropuccinia psidii) on a Lemon Myrtle Plantation. Drones, 2019, 3, 25.	4.9	22
30	Linking Land Surface Phenology and Vegetation-Plot Databases to Model Terrestrial Plant α-Diversity of the Okavango Basin. Remote Sensing, 2016, 8, 370.	4.0	21
31	Application of Thermal and Phenological Land Surface Parameters for Improving Ecological Niche Models of Betula utilis in the Himalayan Region. Remote Sensing, 2018, 10, 814.	4.0	21
32	Do soil-adjusted or standard vegetation indices better predict above ground biomass of semi-arid, saline rangelands in North-East Iran?. International Journal of Remote Sensing, 2019, 40, 8223-8235.	2.9	20
33	Changes in phenology and abundance of suction‑trapped Diptera from a farmland site in the UK over four decades. Ecological Entomology, 2020, 45, 1215-1219.	2.2	20
34	Influence of elevation on the species–area relationship. Journal of Biogeography, 2020, 47, 2029-2041.	3.0	20
35	The Effect of Epidermal Structures on Leaf Spectral Signatures of Ice Plants (Aizoaceae). Remote Sensing, 2015, 7, 16901-16914.	4.0	19
36	Developing a spectral disease index for myrtle rust (Austropuccinia psidii). Plant Pathology, 2019, 68, 738-745.	2.4	19

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37	Analysis of GPS trajectories to assess goat grazing pattern and intensity in Southern Morocco. Rangeland Journal, 2012, 34, 415.	0.9	18
38	Impact of Shifting Cultivation on Dense Tropical Woodlands in Southeast Angola. Tropical Conservation Science, 2015, 8, 863-892.	1.2	18
39	Seedling recruitment and facilitation dependence on safe site characteristics in a Himalayan treeline ecotone. Plant Ecology, 2018, 219, 115-132.	1.6	18
40	Spectral variation versus species β-diversity at different spatial scales: a test in African highland savannas. Journal of Environmental Monitoring, 2010, 12, 825.	2.1	17
41	Isoscapes resolve species-specific spatial patterns in plant–plant interactions in an invaded Mediterranean dune ecosystem. Tree Physiology, 2016, 36, 1460-1470.	3.1	17
42	Species response curves of oak species along climatic gradients in Turkey. International Journal of Biometeorology, 2012, 56, 85-93.	3.0	15
43	Invasive acacias differ from native dune species in the hyperspectral/biochemical trait space. Journal of Vegetation Science, 2018, 29, 325-335.	2.2	15
44	Urban stormwater run-off promotes compression of saltmarshes by freshwater plants and mangrove forests. Science of the Total Environment, 2018, 637-638, 137-144.	8.0	15
45	Small-scale soil patterns drive sharp boundaries between succulent "dwarf" biomes (or habitats) in the arid Succulent Karoo, South Africa. South African Journal of Botany, 2015, 101, 129-138.	2.5	14
46	A Spatially Explicit Dual-Isotope Approach to Map Regions of Plant-Plant Interaction after Exotic Plant Invasion. PLoS ONE, 2016, 11, e0159403.	2.5	14
47	Implications of tree species – environment relationships for the responsiveness of Himalayan krummholz treelines to climate change. Journal of Mountain Science, 2017, 14, 453-473.	2.0	13
48	Welwitschia: Phylogeography of a living fossil, diversified within a desert refuge. Scientific Reports, 2021, 11, 2385.	3.3	12
49	Plant functional traits match grazing gradient and vegetation patterns on mountain pastures in SW Kyrgyzstan. Phytocoenologia, 2013, 43, 171-181.	0.5	11
50	Effect of grazing on vegetation and soil of the heuweltjieveld in the Succulent Karoo, South Africa. Acta Oecologica, 2016, 77, 27-36.	1.1	10
51	New tools for old problems – comparing drone- and field-based assessments of a problematic plant species. Environmental Monitoring and Assessment, 2021, 193, 90.	2.7	10
52	Continuing Fragmentation of a Widespread Species by Geographical Barriers as Initial Step in a Land Snail Radiation on Crete. PLoS ONE, 2013, 8, e62569.	2.5	10
53	News from the Global Index of Vegetation-Plot Databases (GIVD): the metadata platform, available data, and their properties. Biodiversity and Ecology = Biodiversitat Und Okologie, 2012, 4, 77-82.	0.3	10
54	Largest on earth: Discovery of a new type of fairy circle in <scp>Angola</scp> supports a termite origin. Ecological Entomology, 2021, 46, 777-789.	2.2	10

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55	Phylogenetic clustering found in lichen but not in plant communities in European heathlands. Community Ecology, 2016, 17, 216-224.	0.9	9
56	Species richness and evenness respond to diverging land–use patterns â€" a cross–border study of dry tropical woodlands in southern Africa. African Journal of Ecology, 2017, 55, 152-161.	0.9	9
57	Plant functional type approach for a functional interpretation of altitudinal vegetation zones in the Alborz Mts., Iran. Journal of Mountain Science, 2017, 14, 2257-2269.	2.0	9
58	Climatic stress drives plant functional diversity in the Alborz Mountains, Iran. Ecological Research, 2019, 34, 171-181.	1.5	9
59	Grazing impact on forage quality and macronutrient content of rangelands in Qilian Mountains, NW China. Journal of Mountain Science, 2019, 16, 43-53.	2.0	9
60	Do fire and flood interact to determine forest islet structure and diversity in a Neotropical wetland?. Flora: Morphology, Distribution, Functional Ecology of Plants, 2021, 281, 151874.	1.2	9
61	Vegetation succession of low estuarine marshes is affected by distance to navigation channel and changes in water level. Journal of Coastal Conservation, 2016, 20, 221-236.	1.6	8
62	Dry tropical forests and woodlands of the Cubango Basin in southern Africa â€" First classification and assessment of their woody species diversity. Phytocoenologia, 2018, 48, 23-50.	0.5	8
63	Vegetation responses to seasonal weather conditions and decreasing grazing pressure in the arid Succulent Karoo of South Africa. African Journal of Range and Forage Science, 2018, 35, 303-310.	1.4	8
64	Phytosociology and ecology of treeline ecotone vegetation in Rolwaling Himal, Nepal. Phytocoenologia, 2017, 47, 197-220.	0.5	8
65	Biogeography, diversity and environmental relationships of shelf and deep-sea benthic Amphipoda around Iceland. PeerJ, 2021, 9, e11898.	2.0	7
66	Partitioned beta diversity patterns of plants across sharp and distinct boundaries of quartz habitat islands. Journal of Vegetation Science, 2021, 32, e13036.	2.2	6
67	Plant communities and their environmental drivers on an arid mountain, Gebel Elba, Egypt. Vegetation Classification and Survey, 0, 1, 21-36.	0.0	6
68	Phytosociology and ecology of treeline ecotone vegetation in Rolwaling Himal, Nepal. Phytocoenologia, 2017, 47, 197-220.	0.5	6
69	The Potential of UAV Derived Image Features for Discriminating Savannah Tree Species. , 2017, , 183-201.		5
70	Response of Kalahari vegetation to seasonal climate and herbivory: Results of 15Âyears of vegetation monitoring. Journal of Vegetation Science, 2021, 32, e12927.	2.2	5
71	Estimating food resource availability in arid environments with Sentinel 2 satellite imagery. PeerJ, 2020, 8, e9209.	2.0	5
72	RLQ and fourth-corner analysis of plant species traits and spectral indices derived from HyMap and CHRIS-PROBA imagery. International Journal of Remote Sensing, 2012, 33, 6459-6479.	2.9	4

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73	Volumeâ€"biomass functions reveal the effect of browsing on three Moroccan dwarf shrubs. African Journal of Range and Forage Science, 2012, 29, 31-36.	1.4	4
74	Elevationâ€‹richness pattern of vascular plants in wadis of the arid mountain Gebel Elba, Egypt. African Journal of Ecology, 2019, 57, 238-246.	0.9	4
75	The introduction of the European Caucasotachea vindobonensis (Gastropoda: Helicidae) in North America, its origin and its potential range. Biological Invasions, 2021, 23, 3281-3289.	2.4	4
76	Facilitating access to vegetation data â€" Introduction to the Special Volume. Biodiversity and Ecology = Biodiversitat Und Okologie, 2012, 4, 9-13.	0.3	4
77	Vegetation dynamics in the Namaqualand Hardeveld - observations from 17 years of annual monitoring. Biodiversity and Ecology = Biodiversitat Und Okologie, 2018, 6, 450-457.	0.3	4
78	Biodiversity modelling reveals a significant gap between diversity hotspots and protected areas for Iranian reptiles. Journal of Zoological Systematics and Evolutionary Research, 2021, 59, 1642-1655.	1.4	4
79	Niche breadth and biodiversity change derived from marine Amphipoda species off Iceland. Ecology and Evolution, 2022, 12, e8802.	1.9	4
80	Plant communities, diversity and endemism of the Kula Volcano, Manisa, Turkey. Plant Biosystems, 2016, 150, 1046-1055.	1.6	3
81	The tough, the wet and the hidden: Evolutionary strategies of a polyploid tropical tree in a changing environment. Perspectives in Plant Ecology, Evolution and Systematics, 2019, 38, 1-12.	2.7	3
82	Environmental drivers of three neighbouring monodominant stands in Pantanal wetland. Journal of Vegetation Science, 2021, 32, e13023.	2.2	3
83	Impact of land use on woody aboveground biomass in Miombo woodlands of western Zambia â€" comparison of three allometric equations. Southern Forests, 2019, 81, 213-221.	0.7	2
84	Germination success of habitat specialists from the Succulent Karoo and Renosterveld on different soil types. South African Journal of Botany, 2021, 137, 320-330.	2.5	2
85	The value of alien roadside trees for epiphytic lichen species along an urban pollution gradient. Journal of Urban Ecology, 2021, 7, .	1.5	2
86	Predictive mapping of plant diversity in an arid mountain environment (Gebel Elba, Egypt). Applied Vegetation Science, 2021, 24, e12582.	1.9	2
87	A beneficial relationship: associated trees facilitate termite colonies (Macrotermes michaelseni) in Namibia. Ecosphere, 2021, 12, e03671.	2.2	2
88	Filling the Gap: Fockea multiflora K. Schum. (Apocynaceae) in MalaÅµi. Haseltonia, 2011, 16, 79-82.	0.5	1
89	Guide to GIVD's Fact Sheets. Biodiversity and Ecology = Biodiversitat Und Okologie, 2012, 4, 83-88.	0.3	1
90	Do image resolution and classifier choice impact island biogeographical parameters of terrestrial islands?. Transactions in GIS, 2022, 26, 2004-2022.	2.3	1

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91	Spatial patterns and life histories of <i>Macrotermes michaelseni</i> termite mounds reflect intraspecific competition: insights of a temporal comparison spanning 12 years. Ecography, 2022, 2022, .	4.5	1
92	Freshwater input drives invasion success of exotic plants in saltmarsh communities. Austral Ecology, 2021, 46, 713-721.	1.5	0
93	15. The challenge of including biodiversity in certification standards of food supply chains. , 2018, , .		0
94	Ecological niche models of Welwitschia mirabilis and its subspecies in the Namib desert. South African Journal of Botany, 2022, 148, 210-217.	2.5	0