

Jens Oldeland

List of Publications by Year in descending order

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Version: 2024-02-01

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	Niche breadth and biodiversity change derived from marine Amphipoda species off Iceland. Ecology and Evolution, 2022, 12, e8802.	1.9	4
2	Do image resolution and classifier choice impact island biogeographical parameters of terrestrial islands?. Transactions in GIS, 2022, 26, 2004-2022.	2.3	1
3	Ecological niche models of <i>Welwitschia mirabilis</i> and its subspecies in the Namib desert. South African Journal of Botany, 2022, 148, 210-217.	2.5	0
4	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
5	Response of Kalahari vegetation to seasonal climate and herbivory: Results of 15 years of vegetation monitoring. Journal of Vegetation Science, 2021, 32, e12927.	2.2	5
6	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
7	<i>Welwitschia</i> : Phylogeography of a living fossil, diversified within a desert refuge. Scientific Reports, 2021, 11, 2385.	3.3	12
8	The value of alien roadside trees for epiphytic lichen species along an urban pollution gradient. Journal of Urban Ecology, 2021, 7, .	1.5	2
9	Freshwater input drives invasion success of exotic plants in saltmarsh communities. Austral Ecology, 2021, 46, 713-721.	1.5	0
10	Predictive mapping of plant diversity in an arid mountain environment (Gebel Elba, Egypt). Applied Vegetation Science, 2021, 24, e12582.	1.9	2
11	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
12	Environmental drivers of three neighbouring monodominant stands in Pantanal wetland. Journal of Vegetation Science, 2021, 32, e13023.	2.2	3
13	The introduction of the European <i>Caucasotachea vindobonensis</i> (Gastropoda: Helicidae) in North America, its origin and its potential range. Biological Invasions, 2021, 23, 3281-3289.	2.4	4
14	A beneficial relationship: associated trees facilitate termite colonies (<i>Macrotermes michaelseni</i>) in Namibia. Ecosphere, 2021, 12, e03671.	2.2	2
15	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
16	Biogeography, diversity and environmental relationships of shelf and deep-sea benthic Amphipoda around Iceland. PeerJ, 2021, 9, e11898.	2.0	7
17	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
18	Largest on earth: Discovery of a new type of fairy circle in <i>Angola</i> supports a termite origin. Ecological Entomology, 2021, 46, 777-789.	2.2	10

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19	Biodiversity modelling reveals a significant gap between diversity hotspots and protected areas for Iranian reptiles. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 1642-1655.	1.4	4
20	Changes in phenology and abundance of suction-trapped Diptera from a farmland site in the UK over four decades. <i>Ecological Entomology</i> , 2020, 45, 1215-1219.	2.2	20
21	Influence of elevation on the species-area relationship. <i>Journal of Biogeography</i> , 2020, 47, 2029-2041.	3.0	20
22	Estimating food resource availability in arid environments with Sentinel 2 satellite imagery. <i>PeerJ</i> , 2020, 8, e9209.	2.0	5
23	Impact of land use on woody aboveground biomass in Miombo woodlands of western Zambia – comparison of three allometric equations. <i>Southern Forests</i> , 2019, 81, 213-221.	0.7	2
24	Do soil-adjusted or standard vegetation indices better predict above ground biomass of semi-arid, saline rangelands in North-East Iran?. <i>International Journal of Remote Sensing</i> , 2019, 40, 8223-8235.	2.9	20
25	Multispectral, Aerial Disease Detection for Myrtle Rust (<i>Austropuccinia psidii</i>) on a Lemon Myrtle Plantation. <i>Drones</i> , 2019, 3, 25.	4.9	22
26	The tough, the wet and the hidden: Evolutionary strategies of a polyploid tropical tree in a changing environment. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2019, 38, 1-12.	2.7	3
27	Elevation-richness pattern of vascular plants in wadis of the arid mountain Gebel Elba, Egypt. <i>African Journal of Ecology</i> , 2019, 57, 238-246.	0.9	4
28	Developing a spectral disease index for myrtle rust (<i>Austropuccinia psidii</i>). <i>Plant Pathology</i> , 2019, 68, 738-745.	2.4	19
29	Climatic stress drives plant functional diversity in the Alborz Mountains, Iran. <i>Ecological Research</i> , 2019, 34, 171-181.	1.5	9
30	Grazing impact on forage quality and macronutrient content of rangelands in Qilian Mountains, NW China. <i>Journal of Mountain Science</i> , 2019, 16, 43-53.	2.0	9
31	Detecting myrtle rust (<i>Austropuccinia psidii</i>) on lemon myrtle trees using spectral signatures and machine learning. <i>Plant Pathology</i> , 2018, 67, 1114-1121.	2.4	36
32	Invasive acacias differ from native dune species in the hyperspectral/biochemical trait space. <i>Journal of Vegetation Science</i> , 2018, 29, 325-335.	2.2	15
33	Early detection of GPP-related regime shifts after plant invasion by integrating imaging spectroscopy with airborne LiDAR. <i>Remote Sensing of Environment</i> , 2018, 209, 780-792.	11.0	24
34	Seedling recruitment and facilitation dependence on safe site characteristics in a Himalayan treeline ecotone. <i>Plant Ecology</i> , 2018, 219, 115-132.	1.6	18
35	Dry tropical forests and woodlands of the Cubango Basin in southern Africa – First classification and assessment of their woody species diversity. <i>Phytocoenologia</i> , 2018, 48, 23-50.	0.5	8
36	Vegetation responses to seasonal weather conditions and decreasing grazing pressure in the arid Succulent Karoo of South Africa. <i>African Journal of Range and Forage Science</i> , 2018, 35, 303-310.	1.4	8

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37	Application of Thermal and Phenological Land Surface Parameters for Improving Ecological Niche Models of <i>Betula utilis</i> in the Himalayan Region. <i>Remote Sensing</i> , 2018, 10, 814.	4.0	21
38	Urban stormwater run-off promotes compression of saltmarshes by freshwater plants and mangrove forests. <i>Science of the Total Environment</i> , 2018, 637-638, 137-144.	8.0	15
39	Vegetation dynamics in the Namaqualand Hardeveld - observations from 17 years of annual monitoring. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2018, 6, 450-457.	0.3	4
40	15. The challenge of including biodiversity in certification standards of food supply chains. , 2018, , .		0
41	Implications of tree species " environment relationships for the responsiveness of Himalayan krummholz treelines to climate change. <i>Journal of Mountain Science</i> , 2017, 14, 453-473.	2.0	13
42	Species richness and evenness respond to diverging land-use patterns " a cross-border study of dry tropical woodlands in southern Africa. <i>African Journal of Ecology</i> , 2017, 55, 152-161.	0.9	9
43	Plant functional type approach for a functional interpretation of altitudinal vegetation zones in the Alborz Mts., Iran. <i>Journal of Mountain Science</i> , 2017, 14, 2257-2269.	2.0	9
44	The Potential of UAV Derived Image Features for Discriminating Savannah Tree Species. , 2017, , 183-201.		5
45	Heterogeneous environments shape invader impacts: integrating environmental, structural and functional effects by isoscapes and remote sensing. <i>Scientific Reports</i> , 2017, 7, 4118.	3.3	33
46	Phytosociology and ecology of treeline ecotone vegetation in Rolwaling Himal, Nepal. <i>Phytocoenologia</i> , 2017, 47, 197-220.	0.5	8
47	Phytosociology and ecology of treeline ecotone vegetation in Rolwaling Himal, Nepal. <i>Phytocoenologia</i> , 2017, 47, 197-220.	0.5	6
48	Evaluation of Continuous VNIR-SWIR Spectra versus Narrowband Hyperspectral Indices to Discriminate the Invasive <i>Acacia longifolia</i> within a Mediterranean Dune Ecosystem. <i>Remote Sensing</i> , 2016, 8, 334.	4.0	58
49	Inundation and Fire Shape the Structure of Riparian Forests in the Pantanal, Brazil. <i>PLoS ONE</i> , 2016, 11, e0156825.	2.5	33
50	Linking Land Surface Phenology and Vegetation-Plot Databases to Model Terrestrial Plant ±-Diversity of the Okavango Basin. <i>Remote Sensing</i> , 2016, 8, 370.	4.0	21
51	Isoscapes resolve species-specific spatial patterns in plant-plant interactions in an invaded Mediterranean dune ecosystem. <i>Tree Physiology</i> , 2016, 36, 1460-1470.	3.1	17
52	Effect of grazing on vegetation and soil of the heuweltjieveld in the Succulent Karoo, South Africa. <i>Acta Oecologica</i> , 2016, 77, 27-36.	1.1	10
53	Phylogenetic clustering found in lichen but not in plant communities in European heathlands. <i>Community Ecology</i> , 2016, 17, 216-224.	0.9	9
54	Vegetation succession of low estuarine marshes is affected by distance to navigation channel and changes in water level. <i>Journal of Coastal Conservation</i> , 2016, 20, 221-236.	1.6	8

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55	Plant communities, diversity and endemism of the Kula Volcano, Manisa, Turkey. <i>Plant Biosystems</i> , 2016, 150, 1046-1055.	1.6	3
56	A Spatially Explicit Dual-Isotope Approach to Map Regions of Plant-Plant Interaction after Exotic Plant Invasion. <i>PLoS ONE</i> , 2016, 11, e0159403.	2.5	14
57	Impact of Shifting Cultivation on Dense Tropical Woodlands in Southeast Angola. <i>Tropical Conservation Science</i> , 2015, 8, 863-892.	1.2	18
58	Knowledge and use of wild edible plants in rural communities along Paraguay River, Pantanal, Brazil. <i>Journal of Ethnobiology and Ethnomedicine</i> , 2015, 11, 46.	2.6	62
59	Weaknesses in the plant competition hypothesis for fairy circle formation and evidence supporting the sand termite hypothesis. <i>Ecological Entomology</i> , 2015, 40, 661-668.	2.2	25
60	The Effect of Epidermal Structures on Leaf Spectral Signatures of Ice Plants (Aizoaceae). <i>Remote Sensing</i> , 2015, 7, 16901-16914.	4.0	19
61	Retrieving nitrogen isotopic signatures from fresh leaf reflectance spectra: disentangling $\delta^{15}\text{N}$ from biochemical and structural leaf properties. <i>Frontiers in Plant Science</i> , 2015, 6, 307.	3.6	45
62	Field Spectroscopy in the VNIR-SWIR Region to Discriminate between Mediterranean Native Plants and Exotic-Invasive Shrubs Based on Leaf Tannin Content. <i>Remote Sensing</i> , 2015, 7, 1225-1241.	4.0	83
63	Small-scale soil patterns drive sharp boundaries between succulent "dwarf" biomes (or habitats) in the arid Succulent Karoo, South Africa. <i>South African Journal of Botany</i> , 2015, 101, 129-138.	2.5	14
64	LOCAL PERCEPTIONS OF WOODY VEGETATION DYNAMICS IN THE CONTEXT OF A "GREENING SAHEL"™: A CASE STUDY FROM BURKINA FASO. <i>Land Degradation and Development</i> , 2013, 24, 511-527.	3.9	45
65	The grazing fingerprint: Modelling species responses and trait patterns along grazing gradients in semi-arid Namibian rangelands. <i>Ecological Indicators</i> , 2013, 27, 61-70.	6.3	33
66	Ecology and spatial patterns of large-scale vegetation units within the central Namib Desert. <i>Journal of Arid Environments</i> , 2013, 93, 59-79.	2.4	34
67	Plant functional traits match grazing gradient and vegetation patterns on mountain pastures in SW Kyrgyzstan. <i>Phytocoenologia</i> , 2013, 43, 171-181.	0.5	11
68	Continuing Fragmentation of a Widespread Species by Geographical Barriers as Initial Step in a Land Snail Radiation on Crete. <i>PLoS ONE</i> , 2013, 8, e62569.	2.5	10
69	RLQ and fourth-corner analysis of plant species traits and spectral indices derived from HyMap and CHRIS-PROBA imagery. <i>International Journal of Remote Sensing</i> , 2012, 33, 6459-6479.	2.9	4
70	Analysis of GPS trajectories to assess goat grazing pattern and intensity in Southern Morocco. <i>Rangeland Journal</i> , 2012, 34, 415.	0.9	18
71	Ethnobotanical knowledge and valuation of woody plants species: a comparative analysis of three ethnic groups from the sub-Sahel of Burkina Faso. <i>Environment, Development and Sustainability</i> , 2012, 14, 627-649.	5.0	85
72	Volume "biomass functions reveal the effect of browsing on three Moroccan dwarf shrubs. <i>African Journal of Range and Forage Science</i> , 2012, 29, 31-36.	1.4	4

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73	Social and ecological constraints on decision making by transhumant pastoralists: a case study from the Moroccan Atlas Mountains. <i>Journal of Mountain Science</i> , 2012, 9, 307-321.	2.0	28
74	Disentangling plant trait responses to livestock grazing from spatio-temporal variation: the partial RLQ approach. <i>Journal of Vegetation Science</i> , 2012, 23, 98-113.	2.2	53
75	The BIOTA Biodiversity Observatories in Africa—a standardized framework for large-scale environmental monitoring. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 655-678.	2.7	58
76	Species response curves of oak species along climatic gradients in Turkey. <i>International Journal of Biometeorology</i> , 2012, 56, 85-93.	3.0	15
77	Facilitating access to vegetation data — Introduction to the Special Volume. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 9-13.	0.3	4
78	News from the Global Index of Vegetation-Plot Databases (GIVD): the metadata platform, available data, and their properties. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 77-82.	0.3	10
79	Guide to GIVD's Fact Sheets. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 83-88.	0.3	1
80	The Global Index of Vegetation-Plot Databases (GIVD): a new resource for vegetation science. <i>Journal of Vegetation Science</i> , 2011, 22, 582-597.	2.2	251
81	Modelling potential distribution of the threatened tree species <i>Juniperus oxycedrus</i> : how to evaluate the predictions of different modelling approaches?. <i>Journal of Vegetation Science</i> , 2011, 22, 647-659.	2.2	50
82	Species, functional groups and community structure in seed banks of the arid Nama Karoo: Grazing impacts and implications for rangeland restoration. <i>Agriculture, Ecosystems and Environment</i> , 2011, 141, 399-409.	5.3	25
83	Population structure of three woody species in four ethnic domains of the sub-Saharan of Burkina Faso. <i>Land Degradation and Development</i> , 2011, 22, 519-529.	3.9	32
84	Filling the Gap: <i>Fockea multiflora</i> K. Schum. (Apocynaceae) in Malawi. <i>Haseltonia</i> , 2011, 16, 79-82.	0.5	1
85	Spatial Analysis of Land Cover Determinants of Malaria Incidence in the Ashanti Region, Ghana. <i>PLoS ONE</i> , 2011, 6, e17905.	2.5	33
86	Effects of climate change on the coupled dynamics of water and vegetation in drylands. <i>Ecohydrology</i> , 2010, 3, 226-237.	2.4	77
87	Multi-scale pattern analysis of a mound-building termite species. <i>Insectes Sociaux</i> , 2010, 57, 477-486.	1.2	55
88	Combining vegetation indices, constrained ordination and fuzzy classification for mapping semi-natural vegetation units from hyperspectral imagery. <i>Remote Sensing of Environment</i> , 2010, 114, 1155-1166.	11.0	79
89	Effects of sampling protocol on the shapes of species richness curves. <i>Journal of Biogeography</i> , 2010, 37, 1698-1705.	3.0	26
90	Mapping Bush Encroaching Species by Seasonal Differences in Hyperspectral Imagery. <i>Remote Sensing</i> , 2010, 2, 1416-1438.	4.0	52

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91	Spectral variation versus species \hat{H}^2 -diversity at different spatial scales: a test in African highland savannas. <i>Journal of Environmental Monitoring</i> , 2010, 12, 825.	2.1	17
92	Remotely sensed spectral heterogeneity as a proxy of species diversity: Recent advances and open challenges. <i>Ecological Informatics</i> , 2010, 5, 318-329.	5.2	284
93	Does using species abundance data improve estimates of species diversity from remotely sensed spectral heterogeneity?. <i>Ecological Indicators</i> , 2010, 10, 390-396.	6.3	125
94	Plant communities and their environmental drivers on an arid mountain, Gebel Elba, Egypt. <i>Vegetation Classification and Survey</i> , 0, 1, 21-36.	0.0	6