

Marco Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,864
citations

331538

21
h-index

197736

49
g-index

68
all docs

68
docs citations

68
times ranked

5849
citing authors

#	ARTICLE	IF	CITATIONS
1	TRY plant trait database – enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.	4.2	1,038
2	Global trait–environment relationships of plant communities. <i>Nature Ecology and Evolution</i> , 2018, 2, 1906-1917.	3.4	397
3	sPlot – A new tool for global vegetation analyses. <i>Journal of Vegetation Science</i> , 2019, 30, 161-186.	1.1	185
4	A study of climate change and anthropogenic impacts in West Africa. <i>Environmental Science and Pollution Research</i> , 2007, 14, 182-189.	2.7	76
5	Traditional plant use in Burkina Faso (West Africa): a national-scale analysis with focus on traditional medicine. <i>Journal of Ethnobiology and Ethnomedicine</i> , 2015, 11, 9.	1.1	63
6	Root traits explain plant species distributions along climatic gradients yet challenge the nature of ecological trade-offs. <i>Nature Ecology and Evolution</i> , 2021, 5, 1123-1134.	3.4	62
7	The BIOTA Biodiversity Observatories in Africa – a standardized framework for large-scale environmental monitoring. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 655-678.	1.3	58
8	Herbarium collections and field data-based plant diversity maps for Burkina Faso. <i>Diversity and Distributions</i> , 2005, 11, 509-516.	1.9	56
9	Chilean Bromeliaceae: diversity, distribution and evaluation of conservation status. <i>Biodiversity and Conservation</i> , 2009, 18, 2449-2471.	1.2	56
10	The projected impact of climate and land use change on plant diversity: An example from West Africa. <i>Journal of Arid Environments</i> , 2013, 96, 48-54.	1.2	52
11	Taxonomic, ecological and palaeoecological significance of leaf phytoliths in West African grasses. <i>Quaternary International</i> , 2017, 434, 15-32.	0.7	52
12	Spatially explicit multi-threat assessment of food tree species in Burkina Faso: A fine-scale approach. <i>PLoS ONE</i> , 2017, 12, e0184457.	1.1	50
13	sPlotOpen – An environmentally balanced, open access, global dataset of vegetation plots. <i>Global Ecology and Biogeography</i> , 2021, 30, 1740-1764.	2.7	49
14	Taxon and trait recognition from digitized herbarium specimens using deep convolutional neural networks. <i>Botany Letters</i> , 2018, 165, 377-383.	0.7	42
15	The flora phenotype ontology (FLOPO): tool for integrating morphological traits and phenotypes of vascular plants. <i>Journal of Biomedical Semantics</i> , 2016, 7, 65.	0.9	34
16	Chromosome numbers of the flora of Germany – a new online database of georeferenced chromosome counts and flow cytometric ploidy estimates. <i>Plant Systematics and Evolution</i> , 2017, 303, 1123-1129.	0.3	33
17	Climate and the distribution of grasses in West Africa. <i>Journal of Vegetation Science</i> , 2016, 27, 306-317.	1.1	30
18	Continental-scale variability in browser diversity is a major driver of diversity patterns in acacias across Africa. <i>Journal of Ecology</i> , 2012, 100, 1093-1104.	1.9	29

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19	Climate change reduces the distribution area of the shea tree (<i>Vitellaria paradoxa</i> C.F. Gaertn.) in Burkina Faso. <i>Journal of Arid Environments</i> , 2020, 181, 104237.	1.2	29
20	Impact of Future Climate and Land Use Change on Non-timber Forest Product Provision in Benin, West Africa: Linking Niche-based Modeling with Ecosystem Service Values. <i>Economic Botany</i> , 2012, 66, 383-397.	0.8	28
21	Diversity, distribution and preliminary conservation status of the flora of Burkina Faso. <i>Phytotaxa</i> , 2017, 304, 1.	0.1	27
22	Patterns of plant functional traits in the biogeography of West African grasses (Poaceae). <i>African Journal of Ecology</i> , 2011, 49, 490-500.	0.4	26
23	Introducing <i>African Plants</i> – A Photo Guide – An Interactive Photo Database and Rapid Identification Tool for Continental Africa. <i>Taxon</i> , 2014, 63, 1159-1161.	0.4	25
24	Effect of land degradation on carbon and nitrogen pools in two soil types of a semi-arid landscape in West Africa. <i>Geoderma</i> , 2015, 241-242, 330-338.	2.3	21
25	Similar factors underlie tree abundance in forests in native and alien ranges. <i>Global Ecology and Biogeography</i> , 2020, 29, 281-294.	2.7	21
26	Detection and annotation of plant organs from digitised herbarium scans using deep learning. <i>Biodiversity Data Journal</i> , 2020, 8, e57090.	0.4	20
27	Geographical Patterns of Woody Plants' Functional Traits in Burkina Faso. <i>Candollea</i> , 2013, 68, 197.	0.1	18
28	Climatic differentiation in polyploid apomictic <i>Ranunculus auricomus</i> complex in Europe. <i>BMC Ecology</i> , 2018, 18, 16.	3.0	18
29	A complete digitization of German herbaria is possible, sensible and should be started now. <i>Research Ideas and Outcomes</i> , 0, 6, .	1.0	18
30	Modelling species richness and life form composition in Sahelian Burkina Faso with remote sensing data. <i>Journal of Arid Environments</i> , 2008, 72, 1506-1517.	1.2	17
31	Using species distribution models to select species resistant to climate change for ecological restoration of <i>bow</i> in West Africa. <i>African Journal of Ecology</i> , 2015, 53, 83-92.	0.4	17
32	Mapping mycological ignorance – checklists and diversity patterns of fungi known for West Africa. <i>IMA Fungus</i> , 2020, 11, 13.	1.7	17
33	The West African Vegetation Database. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 105-110.	0.2	17
34	The Vascular Plant Diversity of Burkina Faso (West Africa) – A Quantitative Analysis and Implications for Conservation. <i>Candollea</i> , 2015, 70, 9.	0.1	14
35	Magnoliophyta of the partial faunal reserve of Pama, Burkina Faso. <i>Check List</i> , 2008, 4, 251.	0.1	14
36	Addressing data property rights concerns and providing incentives for collaborative data pooling: the West African Vegetation Database approach. <i>Journal of Vegetation Science</i> , 2011, 22, 614-620.	1.1	13

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37	Acacia communities and species responses to soil and climate gradients in the Sudano-Sahelian zone of West Africa. <i>Journal of Arid Environments</i> , 2012, 87, 144-152.	1.2	13
38	Plant diversity, functional traits and soil conditions of grass savannas on lateritic crusts (bowl) in south eastern Burkina Faso. <i>Flora Et Vegetatio Sudano-Sambesica</i> , 0, 15, 15-24.	0.0	13
39	A methodological framework to quantify the spatial quality of biological databases. <i>Biodiversity and Ecology = Biodiversitat Und Okologie</i> , 2012, 4, 25-39.	0.2	13
40	Using high-resolution remote sensing data for habitat suitability models of Bromeliaceae in the city of MÃrda, Venezuela. <i>Landscape and Urban Planning</i> , 2013, 120, 107-118.	3.4	11
41	Land cover change and plants diversity in the Sahel: A case study from northern Burkina Faso. <i>Annals of Forest Research</i> , 2015, 58, 109.	0.6	11
42	Magnoliophyta, Arly National Park, Tapoa, Burkina Faso [with erratum]. <i>Check List</i> , 2011, 7, 085.	0.1	9
43	Matching biodiversity and ecology ontologies: challenges and evaluation results. <i>Knowledge Engineering Review</i> , 2020, 35, .	2.1	9
44	The impact of land use on species composition and habitat structure in Sudanian savannas â€” A modelling study in protected areas and agricultural lands of southeastern Burkina Faso. <i>Candollea</i> , 2016, 71, 265-274.	0.1	7
45	Plant biodiversity patterns along a climatic gradient and across protected areas in West Africa. <i>African Journal of Ecology</i> , 2018, 56, 641-652.	0.4	7
46	Pleistocene refugia and genetic diversity patterns in West Africa: Insights from the liana <i>Chasmanthera dependens</i> (Menispermaceae). <i>PLoS ONE</i> , 2017, 12, e0170511.	1.1	7
47	Floristic diversity of classified forest and partial faunal reserve of ComoÃ©-LÃ©raba, southwest Burkina Faso. <i>Check List</i> , 2015, 11, 1557.	0.1	7
48	A synopsis of the Bromeliaceae of Panama, including new records for the country. <i>Willdenowia</i> , 2011, 41, 357-369.	0.5	5
49	Role of termites in the restoration of soils and plant richness on bowl in West Africa. <i>African Journal of Ecology</i> , 2020, 58, 828-835.	0.4	4
50	Diversity and levels of endemism of the Bromeliaceae of Costa Rica â€” an updated checklist. <i>PhytoKeys</i> , 2013, 29, 17-62.	0.4	3
51	VAT: A Scientific Toolbox for Interactive Geodata Exploration. <i>Datenbank-Spektrum</i> , 2017, 17, 233-243.	1.2	3
52	Restoration of bare incrustated soils in the Sahel region of Burkina Faso. <i>Flora Et Vegetatio Sudano-Sambesica</i> , 0, 13, 3-9.	0.0	3
53	Biota of the WAP complex â€” starting a citizen science project for West Africaâ€™s largest complex of protected areas. <i>Flora Et Vegetatio Sudano-Sambesica</i> , 0, 19, 3-6.	0.0	3
54	Machine Learning as a Service for DiSSCoâ€™s Digital Specimen Architecture. <i>Biodiversity Information Science and Standards</i> , 0, 5, .	0.0	2

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55	New species records for the flora of Burkina Faso. <i>Flora Et Vegetatio Sudano-Sambesica</i> , 0, 21, 3-6.	0.0	2
56	Workflow and Current Achievements of BIOfid, an Information Service Mobilizing Biodiversity Data from Literature Sources. <i>Biodiversity Information Science and Standards</i> , 0, 2, e25876.	0.0	2
57	A checklist of vascular plants of the W National Park in Burkina Faso, including the adjacent hunting zones of Tapoa-Djerma and Kondio. <i>Biodiversity Data Journal</i> , 2020, 8, e54205.	0.4	2
58	Typologie spatiale de la végétation sahélienne en relation avec les indicateurs de dégradation au Burkina Faso. <i>International Journal of Biological and Chemical Sciences</i> , 2014, 8, 1049.	0.1	1
59	Extraction of timber and non-timber products from the Swamp Forest of Lokoli (Benin): use patterns, harvesting impacts and management options Extraction de bois et de produits non ligneux de la Forêt Marécageuse de Lokoli (Bénin): utilisations, impacts d'exploitation et options de management Extracción de productos maderables y no maderables en el bosque de pantano, Lokoli (Benín): patrones de uso, impactos de las cosechas y opciones de manejo. <i>International Forestry Review</i> , 2017, 19, 133-144.	0.3	1
60	A Machine Learning Based Approach for Similarity Search on Biodiversity Knowledge Graphs. <i>Biodiversity Information Science and Standards</i> , 0, 3, .	0.0	1
61	Mit dem Smartphone für die Wissenschaft – Wie Bürger zur Kenntnis der Frankfurter und hessischen Flora beitragen können. <i>Der Palmengarten</i> , 2021, 84, 132-137.	0.0	0
62	Tropische Falter im neuen Blüten- und Schmetterlingshaus des Palmengartens. <i>Der Palmengarten</i> , 0, 85, 5-22.	0.0	0
63	Edeldisteln, beliebte Insektennahrungspflanzen für den Garten. <i>Der Palmengarten</i> , 0, 85, 38-42.	0.0	0
64	Wildlebende Arten im Palmengarten und im Botanischen Garten Frankfurt. <i>Der Palmengarten</i> , 0, 85, 94-100.	0.0	0
65	Wenn Bestäuber in die Klemmfalle geraten. <i>Der Palmengarten</i> , 0, 85, 74-76.	0.0	0
66	Current progress in the development of taxonomic and anatomical ontologies within the scope of BIOfid. <i>Biodiversity Information Science and Standards</i> , 0, 2, e25585.	0.0	0
67	A Workflow for Data Extraction from Digitized Herbarium Specimens. <i>Biodiversity Information Science and Standards</i> , 0, 3, .	0.0	0