

Stefan Fronzek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8367820/publications.pdf>

Version: 2024-02-01

49
papers

2,970
citations

172207

29
h-index

253896

43
g-index

52
all docs

52
docs citations

52
times ranked

4968
citing authors

#	ARTICLE	IF	CITATIONS
1	Projecting the future distribution of European potential natural vegetation zones with a generalized, tree speciesâ€based dynamic vegetation model. <i>Global Ecology and Biogeography</i> , 2012, 21, 50-63.	2.7	372
2	Uncertainties in projected impacts of climate change on European agriculture and terrestrial ecosystems based on scenarios from regional climate models. <i>Climatic Change</i> , 2007, 81, 123-143.	1.7	304
3	Diverging importance of drought stress for maize and winter wheat in Europe. <i>Nature Communications</i> , 2018, 9, 4249.	5.8	230
4	Leaf litter decompositionâ€™Estimates of global variability based on Yasso07 model. <i>Ecological Modelling</i> , 2009, 220, 3362-3371.	1.2	187
5	Implication of crop model calibration strategies for assessing regional impacts of climate change in Europe. <i>Agricultural and Forest Meteorology</i> , 2013, 170, 32-46.	1.9	148
6	Temperature and precipitation effects on wheat yield across a European transect: a crop model ensemble analysis using impact response surfaces. <i>Climate Research</i> , 2015, 65, 87-105.	0.4	122
7	Changes in frost, snow and Baltic sea ice by the end of the twenty-first century based on climate model projections for Europe. <i>Climatic Change</i> , 2008, 86, 441-462.	1.7	107
8	What would happen to barley production in Finland if global warming exceeded 4Â°C? A model-based assessment. <i>European Journal of Agronomy</i> , 2011, 35, 205-214.	1.9	94
9	Modelling shifts in agroclimate and crop cultivar response under climate change. <i>Ecology and Evolution</i> , 2013, 3, 4197-4214.	0.8	72
10	Assessing the vulnerability of European butterflies to climate change using multiple criteria. <i>Biodiversity and Conservation</i> , 2010, 19, 695-723.	1.2	71
11	Adaptation response surfaces for managing wheat under perturbed climate and CO ₂ in a Mediterranean environment. <i>Agricultural Systems</i> , 2018, 159, 260-274.	3.2	68
12	Potential effect of climate change on the distribution of palsa mires in subarctic Fennoscandia. <i>Climate Research</i> , 2006, 32, 1-12.	0.4	68
13	How can irrigated agriculture adapt to climate change? Insights from the Guadiana Basin in Spain. <i>Regional Environmental Change</i> , 2016, 16, 59-70.	1.4	64
14	Assessing uncertainties in climate change impacts on resource potential for Europe based on projections from RCMs and GCMs. <i>Climatic Change</i> , 2007, 81, 357-371.	1.7	63
15	Applying probabilistic projections of climate change with impact models: a case study for sub-arctic palsa mires in Fennoscandia. <i>Climatic Change</i> , 2010, 99, 515-534.	1.7	59
16	Scenarios for investigating risks to biodiversity. <i>Global Ecology and Biogeography</i> , 2012, 21, 5-18.	2.7	57
17	Spatial modelling of palsa mires in relation to climate in northern Europe. <i>Earth Surface Processes and Landforms</i> , 2004, 29, 1373-1387.	1.2	55
18	Modelling population structure in the context of urban land use change in Europe. <i>Regional Environmental Change</i> , 2019, 19, 667-677.	1.4	55

#	ARTICLE	IF	CITATIONS
19	An ecosystem modelâ€based estimate of changes in water availability differs from water proxies that are commonly used in species distribution models. <i>Global Ecology and Biogeography</i> , 2009, 18, 304-313.	2.7	52
20	Representing two centuries of past and future climate for assessing risks to biodiversity in Europe. <i>Global Ecology and Biogeography</i> , 2012, 21, 19-35.	2.7	51
21	Predicting range expansion of the map butterfly in Northern Europe using bioclimatic models. <i>Biodiversity and Conservation</i> , 2008, 17, 623-641.	1.2	48
22	Characterising vulnerability of the elderly to climate change in the Nordic region. <i>Regional Environmental Change</i> , 2016, 16, 43-58.	1.4	47
23	Classifying multi-model wheat yield impact response surfaces showing sensitivity to temperature and precipitation change. <i>Agricultural Systems</i> , 2018, 159, 209-224.	3.2	47
24	Assessing the need and potential of assisted migration using species distribution models. <i>Biological Conservation</i> , 2016, 196, 60-68.	1.9	41
25	A conceptual framework for cross-border impacts of climate change. <i>Global Environmental Change</i> , 2021, 69, 102307.	3.6	41
26	How does inter-annual variability of attainable yield affect the magnitude of yield gaps for wheat and maize? An analysis at ten sites. <i>Agricultural Systems</i> , 2018, 159, 199-208.	3.2	36
27	Implications of crop model ensemble size and composition for estimates of adaptation effects and agreement of recommendations. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 351-362.	1.9	35
28	Does the protected area network preserve bird species of conservation concern in a rapidly changing climate?. <i>Biodiversity and Conservation</i> , 2013, 22, 459-482.	1.2	33
29	Rapid spread of the wasp spider <i>Argiope bruennichi</i> across Europe: a consequence of climate change?. <i>Climatic Change</i> , 2011, 109, 319-329.	1.7	32
30	Predicting distribution patterns and recent northward range shift of an invasive aquatic plant: <i>Elodea canadensis</i> in Europe. <i>BioRisk</i> , 0, 2, 1-32.	0.2	31
31	Evaluating sources of uncertainty in modelling the impact of probabilistic climate change on sub-arctic palsa mires. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 2981-2995.	1.5	29
32	Decomposing sources of uncertainty in climate change projections of boreal forest primary production. <i>Agricultural and Forest Meteorology</i> , 2018, 262, 192-205.	1.9	26
33	Vulnerability of cross-country skiing to climate change in Finland â€ An interactive mapping tool. <i>Journal of Outdoor Recreation and Tourism</i> , 2015, 11, 64-79.	1.3	25
34	Climate Change, Northern Birds of Conservation Concern and Matching the Hotspots of Habitat Suitability with the Reserve Network. <i>PLoS ONE</i> , 2013, 8, e63376.	1.1	23
35	Lessons from COVID-19 for managing transboundary climate risks and building resilience. <i>Climate Risk Management</i> , 2022, 35, 100395.	1.6	23
36	Determining sectoral and regional sensitivity to climate and socio-economic change in Europe using impact response surfaces. <i>Regional Environmental Change</i> , 2019, 19, 679-693.	1.4	21

#	ARTICLE	IF	CITATIONS
37	Shared socioeconomic pathways for climate change research in Finland: co-developing extended SSP narratives for agriculture. <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	21
38	Using impact response surfaces to analyse the likelihood of impacts on crop yield under probabilistic climate change. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 213-224.	1.9	19
39	Climate and Peatlands. , 2010, , 85-121.		18
40	Modelling the impacts of European emission and climate change scenarios on acid-sensitive catchments in Finland. <i>Hydrology and Earth System Sciences</i> , 2008, 12, 449-463.	1.9	16
41	Predictive power of remote sensing versus temperature-derived variables in modelling phenology of herbivorous insects. <i>Remote Sensing in Ecology and Conservation</i> , 2018, 4, 113-126.	2.2	16
42	Projections of climate change impacts on crop production: A global and a Nordic perspective. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2012, 62, 166-180.	0.2	14
43	Establishment of a cross-European field site network in the ALARM project for assessing large-scale changes in biodiversity. <i>Environmental Monitoring and Assessment</i> , 2010, 164, 337-348.	1.3	10
44	Conservation of grassland butterflies in Finland under a changing climate. <i>Regional Environmental Change</i> , 2016, 16, 71-84.	1.4	7
45	Methodology to assess the changing risk of yield failure due to heat and drought stress under climate change. <i>Environmental Research Letters</i> , 2021, 16, 104033.	2.2	6
46	Climate change impacts on biodiversity: a short introduction with special emphasis on the ALARM approach for the assessment of multiple risks. <i>BioRisk</i> , 0, 5, 3-29.	0.2	3
47	Pan-European multi-crop model ensemble simulations of wheat and grain maize under climate change scenarios. <i>Open Data Journal for Agricultural Research</i> , 0, 6, 21-27.	1.3	2
48	A Model-Based Response Surface Approach for Evaluating Climate Change Risks and Adaptation Urgency. <i>Springer Climate</i> , 2022, , 67-75.	0.3	1
49	Quantifying and assessing the need and potential for assisted migration. , 2018, , .		0