

# Katja Frieler

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/9512350/katja-frieler-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

8,434  
citations

30  
h-index

70  
g-index

70  
ext. papers

10,251  
ext. citations

10.8  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
60	Greenhouse-gas emission targets for limiting global warming to 2 degrees C. <i>Nature</i> , <b>2009</b> , 458, 1158-62	50.4	1707
59	Multimodel assessment of water scarcity under climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3245-50	11.5	978
58	A trend-preserving bias correction of the ISI-MIP approach. <i>Earth System Dynamics</i> , <b>2013</b> , 4, 219-236	4.8	699
57	The Inter-Sectoral Impact Model Intercomparison Project (ISI-MIP): project framework. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3228-32	11.5	681
56	Constraints and potentials of future irrigation water availability on agricultural production under climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3239-44	11.5	612
55	Differential climate impacts for policy-relevant limits to global warming: the case of 1.5 °C and 2 °C. <i>Earth System Dynamics</i> , <b>2016</b> , 7, 327-351	4.8	377
54	Science and policy characteristics of the Paris Agreement temperature goal. <i>Nature Climate Change</i> , <b>2016</b> , 6, 827-835	21.4	338
53	Limiting global warming to 2 °C is unlikely to save most coral reefs. <i>Nature Climate Change</i> , <b>2013</b> , 3, 165-170	17.4	273
52	Assessing the impacts of 1.5 °C global warming simulation protocol of the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP2b). <i>Geoscientific Model Development</i> , <b>2017</b> , 10, 4321-4345	6.3	240
51	Increased record-breaking precipitation events under global warming. <i>Climatic Change</i> , <b>2015</b> , 132, 501-515	11.5	205
50	Consistent negative response of US crops to high temperatures in observations and crop models. <i>Nature Communications</i> , <b>2017</b> , 8, 13931	17.4	204
49	Increased human and economic losses from river flooding with anthropogenic warming. <i>Nature Climate Change</i> , <b>2018</b> , 8, 781-786	21.4	202
48	The effects of climate extremes on global agricultural yields. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 054010	6.2	154
47	Estimating the near-surface permafrost-carbon feedback on global warming. <i>Biogeosciences</i> , <b>2012</b> , 9, 649-665	4.6	142
46	Consistent increase in Indian monsoon rainfall and its variability across CMIP-5 models. <i>Earth System Dynamics</i> , <b>2013</b> , 4, 287-300	4.8	134
45	Future sea level rise constrained by observations and long-term commitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 2597-602	11.5	124
44	Multisectoral climate impact hotspots in a warming world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3233-8	11.5	120

43	Consistent evidence of increasing Antarctic accumulation with warming. <i>Nature Climate Change</i> , <b>2015</b> , 5, 348-352	21.4	101
42	State-of-the-art global models underestimate impacts from climate extremes. <i>Nature Communications</i> , <b>2019</b> , 10, 1005	17.4	92
41	A scaling approach to project regional sea level rise and its uncertainties. <i>Earth System Dynamics</i> , <b>2013</b> , 4, 11-29	4.8	86
40	The critical role of the routing scheme in simulating peak river discharge in global hydrological models. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 075003	6.2	73
39	Future changes in extratropical storm tracks and baroclinicity under climate change. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 084002	6.2	66
38	Adaptation required to preserve future high-end river flood risk at present levels. <i>Science Advances</i> , <b>2018</b> , 4, eaao1914	14.3	65
37	Understanding the weather signal in national crop-yield variability. <i>Earth's Future</i> , <b>2017</b> , 5, 605-616	7.9	55
36	A multi-model analysis of risk of ecosystem shifts under climate change. <i>Environmental Research Letters</i> , <b>2013</b> , 8, 044018	6.2	55
35	Relevance of intracranial hypertension for cerebral metabolism in aneurysmal subarachnoid hemorrhage. Clinical article. <i>Journal of Neurosurgery</i> , <b>2009</b> , 111, 94-101	3.2	51
34	A Scaling Approach to Probabilistic Assessment of Regional Climate Change. <i>Journal of Climate</i> , <b>2012</b> , 25, 3117-3144	4.4	44
33	The elephant, the blind, and the intersectoral intercomparison of climate impacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 3225-7	11.5	43
32	Influence of statin treatment on coronary atherosclerosis visualised using multidetector computed tomography. <i>European Radiology</i> , <b>2010</b> , 20, 2824-33	8	40
31	Intergenerational inequities in exposure to climate extremes. <i>Science</i> , <b>2021</b> , 374, 158-160	33.3	33
30	Assessing inter-sectoral climate change risks: the role of ISIMIP. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 010301	6.2	30
29	High-income does not protect against hurricane losses. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 084016	16.2	30
28	The Vulnerability, Impacts, Adaptation and Climate Services Advisory Board (VIACS AB v1.0) contribution to CMIP6. <i>Geoscientific Model Development</i> , <b>2016</b> , 9, 3493-3515	6.3	28
27	Intra- and interobserver variability in detection and assessment of calcified and noncalcified coronary artery plaques using 64-slice computed tomography: variability in coronary plaque measurement using MSCT. <i>International Journal of Cardiovascular Imaging</i> , <b>2008</b> , 24, 735-42	2.5	26
26	Comparison of body size estimation in adolescents with different types of eating disorders. <i>European Eating Disorders Review</i> , <b>2009</b> , 17, 468-75	5.3	25

25	Projecting Exposure to Extreme Climate Impact Events Across Six Event Categories and Three Spatial Scales. <i>Earth's Future</i> , <b>2020</b> , 8, e2020EF001616	7.9	25
24	Changes in crop yields and their variability at different levels of global warming. <i>Earth System Dynamics</i> , <b>2018</b> , 9, 479-496	4.8	25
23	Benchmarking carbon fluxes of the ISIMIP2a biome models. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 045002	6.2	23
22	Spatial variations in crop growing seasons pivotal to reproduce global fluctuations in maize and wheat yields. <i>Science Advances</i> , <b>2018</b> , 4, eaat4517	14.3	22
21	Cerebral microdialysis for detection of bacterial meningitis in aneurysmal subarachnoid hemorrhage patients: a cohort study. <i>Critical Care</i> , <b>2009</b> , 13, R2	10.8	20
20	Rhinitis medicamentosa: therapeutic effect of diode laser inferior turbinate reduction on nasal obstruction and decongestant abuse. <i>American Journal of Rhinology &amp; Allergy</i> , <b>2008</b> , 22, 433-9		20
19	A global historical data set of tropical cyclone exposure (TCE-DAT). <i>Earth System Science Data</i> , <b>2018</b> , 10, 185-194	10.5	20
18	The PROFOUND Database for evaluating vegetation models and simulating climate impacts on European forests. <i>Earth System Science Data</i> , <b>2020</b> , 12, 1295-1320	10.5	18
17	The role of storage dynamics in annual wheat prices. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 054005	6.2	13
16	Climate Extreme Versus Carbon Extreme: Responses of Terrestrial Carbon Fluxes to Temperature and Precipitation. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2020</b> , 125, e2019JG005252	3.7	12
15	Assessing the impacts of 1.5 °C global warming simulation protocol of the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP2b) <b>2016</b> ,		10
14	The German version of the Anorectic Behavior Observation Scale (ABOS). <i>European Child and Adolescent Psychiatry</i> , <b>2009</b> , 18, 321-5	5.5	9
13	The scent-diffusing ventilator for rehabilitation of olfactory function after laryngectomy. <i>American Journal of Rhinology &amp; Allergy</i> , <b>2008</b> , 22, 487-90		8
12	Climate signals in river flood damages emerge under sound regional disaggregation. <i>Nature Communications</i> , <b>2021</b> , 12, 2128	17.4	7
11	Double benefit of limiting global warming for tropical cyclone exposure. <i>Nature Climate Change</i> , <b>2021</b> , 11, 861-866	21.4	5
10	ATTRICI v1.1 counterfactual climate for impact attribution. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 5269-5284	6.3	4
9	Evaluating changes of biomass in global vegetation models: the role of turnover fluctuations and ENSO events. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 075002	6.2	3
8	Global gridded crop models underestimate yield responses to droughts and heatwaves. <i>Environmental Research Letters</i> , <b>2022</b> , 17, 044026	6.2	3

7	Persönlichkeitsstile und dimensionale Diagnostik bei jugendlichen Patientinnen mit Anorexia und Bulimia nervosa. <i>Zeitschrift für Klinische Psychologie Und Psychotherapie</i> , <b>2008</b> , 37, 236-244	0.4	2
6	ATTRICI 1.0 Counterfactual climate for impact attribution		2
5	Reducing Uncertainties of Future Global Soil Carbon Responses to Climate and Land Use Change With Emergent Constraints. <i>Global Biogeochemical Cycles</i> , <b>2020</b> , 34, e2020GB006589	5.9	2
4	The Vulnerability, Impacts, Adaptation, and Climate Services (VIACS) Advisory Board for CMIP6 <b>2016</b> ,		2
3	Modeling Loss-Propagation in the Global Supply Network: The Dynamic Agent-Based Model Acclimate. <i>SSRN Electronic Journal</i> , <b>2016</b> ,	1	1
2	Evaluation of river flood extent simulated with multiple global hydrological models and climate forcings. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 094010	6.2	0
1	Saturation of Global Terrestrial Carbon Sink Under a High Warming Scenario. <i>Global Biogeochemical Cycles</i> , <b>2021</b> , 35, e2020GB006800	5.9	0