

Achim Grelle

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8841469/achim-grelle-publications-by-citations.pdf>

Version: 2024-04-19

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.

26

papers

2,089

citations

16

h-index

29

g-index

29

ext. papers

2,369

ext. citations

9.3

avg, IF

3.95

L-index

#	Paper	IF	Citations
26	The likely impact of elevated [CO ₂], nitrogen deposition, increased temperature and management on carbon sequestration in temperate and boreal forest ecosystems: a literature review. <i>New Phytologist</i> , 2007 , 173, 463-480	9.8	498
25	Addressing the influence of instrument surface heat exchange on the measurements of CO ₂ flux from open-path gas analyzers. <i>Global Change Biology</i> , 2008 , 14, 1854-1876	11.4	281
24	Contemporary carbon accumulation in a boreal oligotrophic minerogenic mire is a significant sink after accounting for all C-fluxes. <i>Global Change Biology</i> , 2008 , 14, 2317-2332	11.4	262
23	Air temperature triggers the recovery of evergreen boreal forest photosynthesis in spring. <i>Global Change Biology</i> , 2003 , 9, 1410-1426	11.4	237
22	Storms can cause Europe-wide reduction in forest carbon sink. <i>Global Change Biology</i> , 2009 , 15, 346-355	11.4	154
21	Energy partitioning between latent and sensible heat flux during the warm season at FLUXNET sites. <i>Water Resources Research</i> , 2002 , 38, 30-1-30-11	5.4	139
20	Eddy-correlation system for long-term monitoring of fluxes of heat, water vapour and CO ₂ . <i>Global Change Biology</i> , 1996 , 2, 297-307	11.4	101
19	Net primary production and light use efficiency in a mixed coniferous forest in Sweden. <i>Plant, Cell and Environment</i> , 2005 , 28, 412-423	8.4	77
18	Energy exchange and water budget partitioning in a boreal minerogenic mire. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 1-13	3.7	57
17	Measurement of net ecosystem exchange, productivity and respiration in three spruce forests in Sweden shows unexpectedly large soil carbon losses. <i>Biogeochemistry</i> , 2008 , 89, 43-60	3.8	49
16	Increasing contribution of peatlands to boreal evapotranspiration in a warming climate. <i>Nature Climate Change</i> , 2020 , 10, 555-560	21.4	44
15	Rapid ecological response and intensified knowledge accumulation following a north European mega-fire. <i>Scandinavian Journal of Forest Research</i> , 2019 , 34, 234-253	1.7	30
14	Current Carbon Balance of the Forested Area in Sweden and its Sensitivity to Global Change as Simulated by Biome-BGC. <i>Ecosystems</i> , 2006 , 9, 894-908	3.9	28
13	Do the energy fluxes and surface conductance of boreal coniferous forests in Europe scale with leaf area?. <i>Global Change Biology</i> , 2016 , 22, 4096-4113	11.4	23
12	Carbon balance of a forest ecosystem after stump harvest. <i>Scandinavian Journal of Forest Research</i> , 2012 , 27, 762-773	1.7	23
11	Magnani et al. reply. <i>Nature</i> , 2008 , 451, E3-E4	50.4	20
10	Large carbon-sink potential by Kyoto forests in Sweden – case study on willow plantations. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007 , 59, 910-918	3.3	15

9	The biophysical climate mitigation potential of boreal peatlands during the growing season. <i>Environmental Research Letters</i> , 2020 , 15, 104004	6.2	11
8	Net CO ₂ emissions from a primary boreo-nemoral forest over a 10 year period. <i>Forest Ecology and Management</i> , 2017 , 398, 164-173	3.9	8
7	Carbon use efficiency of mycorrhizal fungal mycelium increases during the growing season but decreases with forest age across a <i>Pinus sylvestris</i> chronosequence. <i>Journal of Ecology</i> , 2019 , 107, 2808-2822	6.2	8
6	Global maps of soil temperature.. <i>Global Change Biology</i> , 2021 ,	11.4	8
5	The impact of cultivation on CO ₂ and CH ₄ fluxes over organic soils in Sweden. <i>Agricultural and Forest Meteorology</i> , 2017 , 243, 1-8	5.8	6
4	ForestTemp - Sub-canopy microclimate temperatures of European forests. <i>Global Change Biology</i> , 2021 , 27, 6307-6319	11.4	5
3	The ABCflux database: ArcticBoreal CO ₂ flux observations and ancillary information aggregated to monthly time steps across terrestrial ecosystems. <i>Earth System Science Data</i> , 2022 , 14, 179-208	10.5	3
2	The impact of wildfire on biogeochemical fluxes and water quality in boreal catchments. <i>Biogeosciences</i> , 2021 , 18, 3243-3261	4.6	1
1	Affordable relaxed eddy accumulation system to measure fluxes of H ₂ O, CO ₂ , CH ₄ and N ₂ O from ecosystems. <i>Agricultural and Forest Meteorology</i> , 2021 , 307, 108514	5.8	0