

Andrey Ganopolski

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

6,841
citations

109321

35
h-index

189892

50
g-index

51
all docs

51
docs citations

51
times ranked

5835
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid changes of glacial climate simulated in a coupled climate model. <i>Nature</i> , 2001, 409, 153-158.	27.8	905
2	Simulation of an abrupt change in Saharan vegetation in the Mid-Holocene. <i>Geophysical Research Letters</i> , 1999, 26, 2037-2040.	4.0	510
3	Simulation of modern and glacial climates with a coupled global model of intermediate complexity. <i>Nature</i> , 1998, 391, 351-356.	27.8	403
4	Thermohaline circulation hysteresis: A model intercomparison. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	344
5	North Pacific seasonality and the glaciation of North America 2.7 million years ago. <i>Nature</i> , 2005, 433, 821-825.	27.8	336
6	Carbon cycle, vegetation, and climate dynamics in the Holocene: Experiments with the CLIMBER-2 model. <i>Global Biogeochemical Cycles</i> , 2002, 16, 86-1-86-20.	4.9	302
7	Biogeophysical versus biogeochemical feedbacks of large-scale land cover change. <i>Geophysical Research Letters</i> , 2001, 28, 1011-1014.	4.0	279
8	Long-Term Global Warming Scenarios Computed with an Efficient Coupled Climate Model. <i>Climatic Change</i> , 1999, 43, 353-367.	3.6	267
9	Abrupt Glacial Climate Changes due to Stochastic Resonance. <i>Physical Review Letters</i> , 2002, 88, 038501.	7.8	257
10	Possible solar origin of the 1,470-year glacial climate cycle demonstrated in a coupled model. <i>Nature</i> , 2005, 438, 208-211.	27.8	231
11	On the stability of the atmosphere-vegetation system in the Sahara/Sahel region. <i>Journal of Geophysical Research</i> , 1998, 103, 31613-31624.	3.3	225
12	Multistability and critical thresholds of the Greenland ice sheet. <i>Nature Climate Change</i> , 2012, 2, 429-432.	18.8	212
13	Lowering of glacial atmospheric CO ₂ in response to changes in oceanic circulation and marine biogeochemistry. <i>Paleoceanography</i> , 2007, 22, .	3.0	180
14	Dominant Northern Hemisphere climate control over millennial-scale glacial sea-level variability. <i>Quaternary Science Reviews</i> , 2007, 26, 312-321.	3.0	165
15	Climate sensitivity estimated from ensemble simulations of glacial climate. <i>Climate Dynamics</i> , 2006, 27, 149-163.	3.8	154
16	Modelling climate response to historical land cover change. <i>Global Ecology and Biogeography</i> , 1999, 8, 509-517.	5.8	153
17	Impacts of future land cover changes on atmospheric CO ₂ and climate. <i>Global Biogeochemical Cycles</i> , 2005, 19, n/a-n/a.	4.9	148
18	Vegetation and climate history in the Laptev Sea region (Arctic Siberia) during Late Quaternary inferred from pollen records. <i>Quaternary Science Reviews</i> , 2011, 30, 2182-2199.	3.0	128

#	ARTICLE	IF	CITATIONS
19	Large-scale instabilities of the Laurentide ice sheet simulated in a fully coupled climate-system model. <i>Geophysical Research Letters</i> , 2002, 29, 69-1-69-4.	4.0	122
20	Transient simulation of the last glacial inception. Part I: glacial inception as a bifurcation in the climate system. <i>Climate Dynamics</i> , 2005, 24, 545-561.	3.8	121
21	Climate Change in Northern Africa: The Past is Not the Future. <i>Climatic Change</i> , 2003, 57, 99-118.	3.6	109
22	Modelling global terrestrial vegetation–climate interaction. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1998, 353, 53-63.	4.0	103
23	How cold was the Last Glacial Maximum?. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	102
24	The earth system model of intermediate complexity CLIMBER-3. Part I: description and performance for present-day conditions. <i>Climate Dynamics</i> , 2005, 25, 237-263.	3.8	93
25	A movable trigger: Fossil fuel CO ₂ and the onset of the next glaciation. <i>Geochemistry, Geophysics, Geosystems</i> , 2005, 6, n/a-n/a.	2.5	77
26	Simulation of climate, ice sheets and CO ₂ evolution during the last four glacial cycles with an Earth system model of intermediate complexity. <i>Climate of the Past</i> , 2017, 13, 1695-1716.	3.4	74
27	Wave-induced upper-ocean mixing in a climate model of intermediate complexity. <i>Ocean Modelling</i> , 2009, 29, 189-197.	2.4	67
28	Potential climatic transitions with profound impact on Europe. <i>Climatic Change</i> , 2012, 110, 845-878.	3.6	67
29	On the nature of lead–lag relationships during glacial–interglacial climate transitions. <i>Quaternary Science Reviews</i> , 2009, 28, 3361-3378.	3.0	65
30	Transient simulation of the last glacial inception. Part II: sensitivity and feedback analysis. <i>Climate Dynamics</i> , 2005, 24, 563-576.	3.8	62
31	Past abrupt changes, tipping points and cascading impacts in the Earth system. <i>Nature Geoscience</i> , 2021, 14, 550-558.	12.9	62
32	Climate effects on archaic human habitats and species successions. <i>Nature</i> , 2022, 604, 495-501.	27.8	55
33	Multistability and hysteresis in the climate-cryosphere system under orbital forcing. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	51
34	The role of CO ₂ decline for the onset of Northern Hemisphere glaciation. <i>Quaternary Science Reviews</i> , 2015, 119, 22-34.	3.0	42
35	Black Sea temperature response to glacial millennial-scale climate variability. <i>Geophysical Research Letters</i> , 2015, 42, 8147-8154.	4.0	40
36	Simulation of the future sea level contribution of Greenland with a new glacial system model. <i>Cryosphere</i> , 2018, 12, 3097-3121.	3.9	39

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37	Response of East Asian climate to Dansgaard/Oeschger and Heinrich events in a coupled model of intermediate complexity. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	35
38	Did Humankind Prevent a Holocene Glaciation?. <i>Climatic Change</i> , 2005, 69, 409-417.	3.6	33
39	Impacts of snow and glaciers over Tibetan Plateau on Holocene climate change: Sensitivity experiments with a coupled model of intermediate complexity. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	32
40	Sensitivity of the last glacial inception to initial and surface conditions. <i>Climate Dynamics</i> , 2006, 27, 333-344.	3.8	32
41	Ocean biology could control atmospheric $\delta^{13}C$ during glacial-interglacial cycle. <i>Geochemistry, Geophysics, Geosystems</i> , 2002, 3, 1-15.	2.5	31
42	Aeolian dust modeling over the past four glacial cycles with CLIMBER-2. <i>Global and Planetary Change</i> , 2010, 74, 49-60.	3.5	27
43	MIS-11 duration key to disappearance of the Greenland ice sheet. <i>Nature Communications</i> , 2017, 8, 16008.	12.8	19
44	Time-scale and state dependence of the carbon-cycle feedback to climate. <i>Climate Dynamics</i> , 2014, 42, 1699-1713.	3.8	18
45	Glacial integrative modelling. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003, 361, 1871-1884.	3.4	17
46	Comment on "Aerosol radiative forcing and climate sensitivity deduced from the Last Glacial Maximum to Holocene transition" by Petr Chylek and Ulrike Lohmann. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	12
47	Title is missing!. <i>Environmental Modeling and Assessment</i> , 1999, 4, 209-216.	2.2	11
48	Climatic response to anthropogenic sulphate aerosols versus well-mixed greenhouse gases from 1850 to 2000 AD in CLIMBER-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 82.	1.6	11
49	PALADYN v1.0, a comprehensive land surface "vegetation" carbon cycle model of intermediate complexity. <i>Geoscientific Model Development</i> , 2016, 9, 3817-3857.	3.6	9
50	39. Modelling the end of an interglacial (MIS 1, 5, 7, 9, 11). <i>Developments in Quaternary Sciences</i> , 2007, 7, 583-593.	0.1	4