

# Klaus Grosfeld

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

553  
citations

567281

15  
h-index

677142

22  
g-index

26  
all docs

26  
docs citations

26  
times ranked

896  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the Antarctic Ice Sheet across the mid-Pleistocene transition – implications for Oldest Ice. <i>Cryosphere</i> , 2019, 13, 2023-2041.	3.9	42
2	Assessing the subglacial lake coverage of Antarctica. <i>Annals of Glaciology</i> , 2016, 57, 109-117.	1.4	14
3	Ocean temperature thresholds for Last Interglacial West Antarctic Ice Sheet collapse. <i>Geophysical Research Letters</i> , 2016, 43, 2675-2682.	4.0	57
4	Future sea-level rise due to projected ocean warming beneath the Filchner Ronne Ice Shelf: A coupled model study. <i>Earth and Planetary Science Letters</i> , 2015, 431, 217-224.	4.4	20
5	RIMBAY – a multi-approximation 3D ice-dynamics model for comprehensive applications: model description and examples. <i>Geoscientific Model Development</i> , 2014, 7, 1-21.	3.6	35
6	The Deformational Response of a Viscoelastic Solid Earth Model Coupled to a Thermomechanical Ice Sheet Model. <i>Surveys in Geophysics</i> , 2014, 35, 1441-1458.	4.6	19
7	Impact of ice-shelf basal melting on inland ice-sheet thickness: a model study. <i>Annals of Glaciology</i> , 2012, 53, 129-135.	1.4	13
8	Ice-flow sensitivity to boundary processes: a coupled model study in the Vostok Subglacial Lake area, Antarctica. <i>Annals of Glaciology</i> , 2012, 53, 173-180.	1.4	23
9	Influence of the opening of the Drake Passage on the Cenozoic Antarctic Ice Sheet: A modeling approach. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 339-341, 66-73.	2.3	30
10	The ‘‘tipping’’ temperature within Subglacial Lake Ellsworth, West Antarctica and its implications for lake access. <i>Cryosphere</i> , 2011, 5, 561-567.	3.9	8
11	Modelling the impact of ocean warming on melting and water masses of ice shelves in the Eastern Weddell Sea. <i>Ocean Dynamics</i> , 2010, 60, 479-489.	2.2	7
12	A comment on the Equation of State and the freezing point equation with respect to subglacial lake modelling. <i>Earth and Planetary Science Letters</i> , 2010, 294, 80-84.	4.4	14
13	Interaction between ice sheet dynamics and subglacial lake circulation: a coupled modelling approach. <i>Cryosphere</i> , 2010, 4, 1-12.	3.9	38
14	Modelling flow and accreted ice in subglacial Lake Concordia, Antarctica. <i>Earth and Planetary Science Letters</i> , 2009, 286, 278-284.	4.4	13
15	The impact of Atlantic and Pacific Ocean sea surface temperature anomalies on the North Atlantic multidecadal variability. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2008, 60, 728-741.	1.7	12
16	Sensitivity of subglacial Lake Vostok's flow regime on environmental parameters. <i>Earth and Planetary Science Letters</i> , 2008, 269, 242-247.	4.4	20
17	Modelling accreted ice in subglacial Lake Vostok, Antarctica. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	21
18	Northern Hemisphere atmospheric blocking in ice core accumulation records from northern Greenland. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	16

#	ARTICLE	IF	CITATIONS
19	Modelling mixing and circulation in subglacial Lake Vostok, Antarctica. <i>Ocean Dynamics</i> , 2007, 57, 531-540.	2.2	25
20	The relative role of oceanic heat transport and orography on glacial climate. <i>Quaternary Science Reviews</i> , 2006, 25, 832-845.	3.0	23
21	Impact of the Eastern Weddell Ice Shelves on water masses in the eastern Weddell Sea. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	27
22	The evolution of a coupled ice shelf-ocean system under different climate states. <i>Global and Planetary Change</i> , 2004, 42, 107-132.	3.5	31
23	Ocean circulation beneath Filchner-Ronne Ice Shelf from three-dimensional model results. <i>Journal of Geophysical Research</i> , 1999, 104, 15827-15842.	3.3	42
24	Deriving evaluation indicators for knowledge transfer and dialogue processes in the context of climate research. <i>Advances in Science and Research</i> , 0, 14, 313-322.	1.0	3