

Oleg Rybak

List of Publications by Year in descending order

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26
papers

2,437
citations

758635

12
h-index

580395

25
g-index

33
all docs

33
docs citations

33
times ranked

3063
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring and inferring the ice thickness distribution of four glaciers in the Tien Shan, Kyrgyzstan. <i>Journal of Glaciology</i> , 2021, 67, 269-286.	1.1	10
2	Reconstruction of the Historical (1750–2020) Mass Balance of Bordu, Kara-Batkak and Sary-Tor Glaciers in the Inner Tien Shan, Kyrgyzstan. <i>Frontiers in Earth Science</i> , 2021, 9, .	0.8	8
3	Emptying Water Towers? Impacts of Future Climate and Glacier Change on River Discharge in the Northern Tien Shan, Central Asia. <i>Water (Switzerland)</i> , 2020, 12, 627.	1.2	22
4	Modelling the evolution of Djankuat Glacier, North Caucasus, from 1752 until 2100 CE. <i>Cryosphere</i> , 2020, 14, 4039-4061.	1.5	8
5	Applying the Energy- and Water Balance Model for Incorporation of the Cryospheric Component into a Climate Model. Part III. Modeling Mass Balance on the Surface of the Antarctic Ice Sheet. <i>Russian Meteorology and Hydrology</i> , 2019, 44, 87-96.	0.2	1
6	Incorporation of ice sheet models into an Earth system model: Focus on methodology of coupling. <i>Journal of Earth System Science</i> , 2018, 127, 1.	0.6	1
7	Model-based calculations of surface mass balance of mountain glaciers for the purpose of water consumption planning: focus on Djankuat Glacier (Central Caucasus). <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 107, 012041.	0.2	1
8	Reconstruction of Climate of the Eemian Interglacial Using an Earth System Model. Part 2. The Response of the Greenland Ice Sheet to Climate Change. <i>Russian Meteorology and Hydrology</i> , 2018, 43, 366-371.	0.2	1
9	Reconstruction of Climate of the Eemian Interglacial Using an Earth System Model. Part 1. Setup of Numerical Experiments and Model Fields of Surface Air Temperature and Precipitation Sums. <i>Russian Meteorology and Hydrology</i> , 2018, 43, 357-365.	0.2	4
10	Equilibrium State of the Greenland Ice Sheet in the Earth System Model. <i>Russian Meteorology and Hydrology</i> , 2018, 43, 63-71.	0.2	1
11	MATHEMATICAL MODELING OF DJANKUAT GLACIER EVOLUTION IN PRESENT-DAY CLIMATIC CONDITIONS. <i>Sustainable Development of Mountain Territories</i> , 2018, 10, 533-543.	0.1	0
12	Regional effects of the global climate change; a case study: the Sochi National Park area (Russia). <i>Nature Conservation Research</i> , 2017, 2, .	0.4	1
13	Downscaling of the global climate model data for the mass balance calculation of mountain glaciers. <i>Led i Sneg</i> , 2017, 57, 437-452.	0.1	2
14	Applying the energy- and water balance model for incorporation of the cryospheric component into a climate model. Part II. Modeled mass balance on the green land ice sheet surface. <i>Russian Meteorology and Hydrology</i> , 2016, 41, 379-387.	0.2	2
15	Applying the energy- and water balance model for incorporation of the cryospheric component into a climate model. Part I. Description of the model and computed climatic fields of surface air temperature and precipitation rate. <i>Russian Meteorology and Hydrology</i> , 2015, 40, 731-740.	0.2	6
16	Eemian interglacial reconstructed from a Greenland folded ice core. <i>Nature</i> , 2013, 493, 489-494.	13.7	565
17	Calibration of a higher-order 3-D ice-flow model of the Morteratsch glacier complex, Engadin, Switzerland. <i>Annals of Glaciology</i> , 2013, 54, 343-351.	2.8	28
18	Grounding-line migration in plan-view marine ice-sheet models: results of the ice2sea MISIP3d intercomparison. <i>Journal of Glaciology</i> , 2013, 59, 410-422.	1.1	179

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19	Results of the Marine Ice Sheet Model Intercomparison Project, MISMIP. <i>Cryosphere</i> , 2012, 6, 573-588.	1.5	191
20	Improved convergence and stability properties in a three-dimensional higher-order ice sheet model. <i>Geoscientific Model Development</i> , 2011, 4, 1133-1149.	1.3	20
21	Reconstruction of the annual balance of Vadret da Morteratsch, Switzerland, since 1865. <i>Annals of Glaciology</i> , 2009, 50, 126-134.	2.8	36
22	Past and present accumulation rate reconstruction along the Dome Fujiâ€“Kohnen radio-echo sounding profile, Dronning Maud Land, East Antarctica. <i>Annals of Glaciology</i> , 2009, 50, 112-120.	2.8	23
23	Ice thinning, upstream advection, and non-climatic biases for the upper 89% of the EDML ice core from a nested model of the Antarctic ice sheet. <i>Climate of the Past</i> , 2007, 3, 577-589.	1.3	52
24	“EDML1” a chronology for the EPICA deep ice core from Dronning Maud Land, Antarctica, over the last 150 000 years. <i>Climate of the Past</i> , 2007, 3, 475-484.	1.3	143
25	One-to-one coupling of glacial climate variability in Greenland and Antarctica. <i>Nature</i> , 2006, 444, 195-198.	13.7	1,111
26	A comparison of Eulerian and Lagrangian methods for dating in numerical ice-sheet models. <i>Annals of Glaciology</i> , 2003, 37, 150-158.	2.8	21