Georgy V Ayzel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/291264/publications.pdf

Version: 2024-02-01

30	532	933447 10	677142 22
papers	citations	h-index	g-index

42	42	42	332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	OpenForecast: An Assessment of the Operational Run in 2020â€“2021. Geosciences (Switzerland), 2022, 12, 67.	2.2	1
2	Machine learning identifies ecological selectivity patterns across the end-Permian mass extinction. Paleobiology, 2022, 48, 357-371.	2.0	11
3	Towards urban flood susceptibility mapping using data-driven models in Berlin, Germany. Geomatics, Natural Hazards and Risk, 2022, 13, 1640-1662.	4.3	14
4	OpenForecast v2: Development and Benchmarking of the First National-Scale Operational Runoff Forecasting System in Russia. Hydrology, 2021, 8, 3.	3.0	8
5	Development of a Regional Gridded Runoff Dataset Using Long Short-Term Memory (LSTM) Networks. Hydrology, 2021, 8, 6.	3.0	13
6	The effect of calibration data length on the performance of a conceptual hydrological model versus LSTM and GRU: A case study for six basins from the CAMELS dataset. Computers and Geosciences, 2021, 149, 104708.	4.2	45
7	Machine Learning Reveals a Significant Shift in Water Regime Types Due to Projected Climate Change. ISPRS International Journal of Geo-Information, 2021, 10, 660.	2.9	3
8	Quantifying the Location Error of Precipitation Nowcasts. Advances in Meteorology, 2020, 2020, 1-12.	1.6	1
9	The influence of regional hydrometric data incorporation on the accuracy of gridded reconstruction of monthly runoff. Hydrological Sciences Journal, 2020, , 1-12.	2.6	8
10	Streamflow prediction in ungauged basins: benchmarking the efficiency of deep learning. E3S Web of Conferences, 2020, 163, 01001.	0.5	7
11	RainNet v1.0: aÂconvolutional neural network for radar-based precipitation nowcasting. Geoscientific Model Development, 2020, 13, 2631-2644.	3.6	122
12	OpenForecast: The First Open-Source Operational Runoff Forecasting System in Russia. Water (Switzerland), 2019, 11, 1546.	2.7	11
13	All convolutional neural networks for radar-based precipitation nowcasting. Procedia Computer Science, 2019, 150, 186-192.	2.0	59
14	Optical flow models as an open benchmark for radar-based precipitation nowcasting (rainymotion) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.6	86
15	Climate Change Impact Assessment on Freshwater Inflow into the Small Aral Sea. Water (Switzerland), 2019, 11, 2377.	2.7	18
16	Modelling river runoff and estimating its weather-related uncertainty for 11 large-scale rivers located in different regions of the globe. Hydrology Research, 2018, 49, 1072-1087.	2.7	13
17	Modelling Water Balance Components of River Basins Located in Different Regions of the Globe. Water Resources, 2018, 45, 53-64.	0.9	4
18	Runoff Predictions in Ungauged Arctic Basins Using Conceptual Models Forced by Reanalysis Data. Water Resources, 2018, 45, 1-7.	0.9	10

#	Article	IF	Citations
19	Possible Climate Change Impact on River Runoff in the Different Regions of the Globe. Russian Meteorology and Hydrology, 2018, 43, 397-403.	1.3	7
20	Runoff evaluation for ungauged watersheds by SWAP model. 1. Application of artificial neural networks. Water Resources, 2017, 44, 169-179.	0.9	5
21	River runoff evaluation for ungauged watersheds by SWAP model. 2. Application of methods of physiographic similarity and spatial geostatistics. Water Resources, 2017, 44, 547-558.	0.9	9
22	Use of machine learning techniques for modeling of snow depth. Led I Sneg, 2017, 57, 34-44.	0.2	8
23	Simulating the formation of river runoff and snow cover in the northern West Siberia. Water Resources, 2015, 42, 460-467.	0.9	9
24	Optimizing land surface parameters for simulating river runoff from 323 MOPEX-watersheds. Water Resources, 2015, 42, 186-197.	0.9	8
25	Scenario prediction of changes in water balance components of the Olenek and Indigirka rivers in the context of possible climate change in the region of the Republic of Sakha (Yakutia). Water Resources, 2014, 41, 748-762.	0.9	7
26	Geological factors governing ichthyofauna formation in rivers of Semlyachikskii volcanic region (Eastern Kamchatka). Water Resources, 2014, 41, 242-251.	0.9	1
27	Modeling streamflow of the Olenek and Indigirka rivers using land surface model SWAP. Water Resources, 2013, 40, 535-543.	0.9	15
28	Climate change impact on streamflow in large-scale river basins: projections and their uncertainties sourced from GCMs and RCP scenarios. Proceedings of the International Association of Hydrological Sciences, 0, 379, 139-144.	1.0	7
29	Coupling physically based and data-driven models for assessing freshwater inflow into the Small Aral Sea. Proceedings of the International Association of Hydrological Sciences, 0, 379, 151-158.	1.0	9
30	Impact of possible climate changes on river runoff under different natural conditions. Proceedings of the International Association of Hydrological Sciences, 0, 379, 293-300.	1.0	7