

Ladislav Gaňal

List of Publications by Year in descending order

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28
papers

1,005
citations

759055

12
h-index

642610

23
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29
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29
docs citations

29
times ranked

1317
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Camera-Based Approach to Increase the Quality, Objectivity and Efficiency of Aeronautical Meteorological Observations. Applied Sciences (Switzerland), 2022, 12, 2925.	1.3	6
2	Improved Radar Composites and Enhanced Value of Meteorological Radar Data Using Different Quality Indices. Sustainability, 2021, 13, 5285.	1.6	3
3	Radar and Station Measurement Tresholds for More Accurate Forecast of Convective Precipitation. , 2021, , .		2
4	Model of Evaluation and Selection of Expert Group Members for Smart Cities, Green Transportation and Mobility: From Safe Times to Pandemic Times. Mathematics, 2021, 9, 1287.	1.1	8
5	Assessing the Contribution of Data Mining Methods to Avoid Aircraft Run-Off from the Runway to Increase the Safety and Reduce the Negative Environmental Impacts. International Journal of Environmental Research and Public Health, 2020, 17, 796.	1.2	11
6	Lidar-Based Detection of Dangerous Meteorological Phenomena at the Bratislava Airport. Transportation Research Procedia, 2019, 43, 199-208.	0.8	2
7	Monitoring of Low-Level Wind Shear by Ground-based 3D Lidar for Increased Flight Safety, Protection of Human Lives and Health. International Journal of Environmental Research and Public Health, 2019, 16, 4584.	1.2	26
8	A regional comparative analysis of empirical and theoretical flood peak-volume relationships. Journal of Hydrology and Hydromechanics, 2016, 64, 367-381.	0.7	26
9	Similarity of empirical copulas of flood peak-volume relationships: a regional case study of North-West Austria. Contributions To Geophysics and Geodesy, 2016, 46, 155-178.	0.2	4
10	Process-based selection of copula types for flood peak-volume relationships in Northwest Austria: a case study. Contributions To Geophysics and Geodesy, 2016, 46, 245-268.	0.2	2
11	Increasing river floods: fiction or reality?. Wiley Interdisciplinary Reviews: Water, 2015, 2, 329-344.	2.8	123
12	Storm type effects on super Clausius-Clapeyron scaling of intense rainstorm properties with air temperature. Hydrology and Earth System Sciences, 2015, 19, 1753-1766.	1.9	147
13	Dependence between flood peaks and volumes: a case study on climate and hydrological controls. Hydrological Sciences Journal, 2015, 60, 968-984.	1.2	67
14	Selection of intense rainfall events based on intensity thresholds and lightning data in Switzerland. Hydrology and Earth System Sciences, 2014, 18, 1561-1573.	1.9	44
15	Climate Change Scenarios of Precipitation Extremes in the Carpathian Region Based on an Ensemble of Regional Climate Models. Advances in Meteorology, 2014, 2014, 1-14.	0.6	14
16	Return periods of the August 2010 heavy precipitation in northern Bohemia (Czech Republic) in the present climate and under climate change. Journal of Water and Climate Change, 2013, 4, 265-286.	1.2	11
17	Flood timescales: Understanding the interplay of climate and catchment processes through comparative hydrology. Water Resources Research, 2012, 48, .	1.7	156
18	Different patterns of climate change scenarios for short-term and multi-day precipitation extremes in the Mediterranean. Global and Planetary Change, 2012, 98-99, 63-72.	1.6	42

#	ARTICLE	IF	CITATIONS
19	Climate change scenarios of precipitation extremes in Central Europe from ENSEMBLES regional climate models. <i>Theoretical and Applied Climatology</i> , 2011, 104, 529-542.	1.3	49
20	Comparison of regional and at-site approaches to modelling probabilities of heavy precipitation. <i>International Journal of Climatology</i> , 2011, 31, 1457-1472.	1.5	47
21	Projected Changes in Flood-Generating Precipitation Extremes Over the Czech Republic in High-Resolution Regional Climate Models. <i>Journal of Hydrology and Hydromechanics</i> , 2011, 59, .	0.7	6
22	Bayesian MCMC approach to regional flood frequency analyses involving extraordinary flood events at ungauged sites. <i>Journal of Hydrology</i> , 2010, 394, 101-117.	2.3	129
23	On the use of the simple scaling of heavy rainfall in a regional estimation of IDF curves in Slovakia. <i>Journal of Hydrology and Hydromechanics</i> , 2010, 58, .	0.7	12
24	Hybrid Approach to Delineation of Homogeneous Regions for Regional Precipitation Frequency Analysis. <i>Journal of Hydrology and Hydromechanics</i> , 2009, 57, 226-249.	0.7	19
25	Some Facts on Extreme Weather Events Analysis in Slovakia. , 2009, , 39-53.		2
26	A process-based analysis of the suitability of copula types for peak-volume flood relationships. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 370, 183-188.	1.0	13
27	A European Flood Database: facilitating comprehensive flood research beyond administrative boundaries. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 370, 89-95.	1.0	32
28	A regional look at the selection of a process-oriented model for flood peak/volume relationships. <i>Proceedings of the International Association of Hydrological Sciences</i> , 0, 373, 61-67.	1.0	2