Ladislav GaÃ¡l

List of Publications by Year
in descending order

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28 papers	1,005 citations	759055 12 h-index	642610 23 g-index
29 all docs	29 docs citations	29 times ranked	1317 citing authors

#	Article	IF	Citations
1	Flood timescales: Understanding the interplay of climate and catchment processes through comparative hydrology. Water Resources Research, 2012, 48, .	1.7	156
2	Storm type effects on super Clausiusâ€“Clapeyron scaling of intense rainstorm properties with air temperature. Hydrology and Earth System Sciences, 2015, 19, 1753-1766.	1.9	147
3	Bayesian MCMC approach to regional flood frequency analyses involving extraordinary flood events at ungauged sites. Journal of Hydrology, 2010, 394, 101-117.	2.3	129
4	Increasing river floods: fiction or reality?. Wiley Interdisciplinary Reviews: Water, 2015, 2, 329-344.	2.8	123
5	Dependence between flood peaks and volumes: a case study on climate and hydrological controls. Hydrological Sciences Journal, 2015, 60, 968-984.	1.2	67
6	Climate change scenarios of precipitation extremes in Central Europe from ENSEMBLES regional climate models. Theoretical and Applied Climatology, 2011, 104, 529-542.	1.3	49
7	Comparison of regional and atâ€site approaches to modelling probabilities of heavy precipitation. International Journal of Climatology, 2011, 31, 1457-1472.	1.5	47
8	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
9	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
10	A European Flood Database: facilitating comprehensive flood research beyond administrative boundaries. Proceedings of the International Association of Hydrological Sciences, 0, 370, 89-95.	1.0	32
11	A regional comparative analysis of empirical and theoretical flood peak-volume relationships. Journal of Hydrology and Hydromechanics, 2016, 64, 367-381.	0.7	26
12	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
13	Hybrid Approach to Delineation of Homogeneous Regions for Regional Precipitation Frequency Analysis. Journal of Hydrology and Hydromechanics, 2009, 57, 226-249.	0.7	19
14	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
15	A process-based analysis of the suitability of copula types for peak-volume flood relationships. Proceedings of the International Association of Hydrological Sciences, 0, 370, 183-188.	1.0	13
16	On the use of the simple scaling of heavy rainfall in a regional estimation of IDF curves in Slovakia. Journal of Hydrology and Hydromechanics, 2010, 58, .	0.7	12
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Projected Changes in Flood-Generating Precipitation Extremes Over the Czech Republic in High-Resolution Regional Climate Models. Journal of Hydrology and Hydromechanics, 2011, 59, .	0.7	6
21	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
22	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
23	Improved Radar Composites and Enhanced Value of Meteorological Radar Data Using Different Quality Indices. Sustainability, 2021, 13, 5285.	1.6	3
24	Lidar-Based Detection of Dangerous Meteorological Phenomena at the Bratislava Airport. Transportation Research Procedia, 2019, 43, 199-208.	0.8	2
25	Radar and Station Measurement Tresholds for More Accurate Forecast of Convective Precipitation. , 2021, , .		2
26	Some Facts on Extreme Weather Events Analysis in Slovakia. , 2009, , 39-53.		2
27	A regional look at the selection of a process-oriented model for flood peak/volume relationships. Proceedings of the International Association of Hydrological Sciences, 0, 373, 61-67.	1.0	2
28	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