Silvia Kohnova

List of Publications by Year
in descending order

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53 papers	2,909 citations	623734 14 h-index	206112 48 g-index
53 all docs	53 docs citations	53 times ranked	3649 citing authors

#	Article	IF	Citations
1	Identifying barriers for nature-based solutions in flood risk management: An interdisciplinary overview using expert community approach. Journal of Environmental Management, 2022, 310, 114725.	7.8	41
2	Impact of Changes in Short-Term Rainfall on Design Floods: Case Study of the Hnilec River Basin, Slovakia. Slovak Journal of Civil Engineering, 2022, 30, 68-74.	0.5	2
3	Trends in flow intermittence for European rivers. Hydrological Sciences Journal, 2021, 66, 37-49.	2.6	41
4	Current state of small water reservoir from technical and ecological viewpoint. Pollack Periodica, 2021, 16, 58-63.	0.4	0
5	A Hydrological Modeling Approach for Assessing the Impacts of Climate Change on Runoff Regimes in Slovakia. Water (Switzerland), 2021, 13, 3358.	2.7	3
6	Incorporating Advanced Scatterometer Surface and Root Zone Soil Moisture Products into the Calibration of a Conceptual Semi-Distributed Hydrological Model. Water (Switzerland), 2021, 13, 3366.	2.7	1
7	COMPARISON OF TESTS FOR TREND IN LOCATION AND SCALEPARAMETERS IN HYDROLOGICAL AND PRECIPITATION TIME SERIES. Acta Scientiarum Polonorum Formatio Circumiectus, 2021, 19, 43-53.	0.6	1
8	Helping stakeholders select and apply appraisal tools to mitigate soil threats: Researchersâ€™ experiences from across Europe. Journal of Environmental Management, 2020, 257, 110005.	7.8	14
9	Estimating the Effect of Deforestation on Runoff in Small Mountainous Basins in Slovakia. Water (Switzerland), 2020, 12, 3113.	2.7	13
10	Approaches to state flood recovery funding in Visegrad Group Countries. Environmental Hazards, 2020, 19, 251-267.	2.5	12
11	Validation of the EROSION-3D Model through Measured Bathymetric Sediments. Water (Switzerland), 2020, 12, 1082.	2.7	12
12	The L-moment based regional approach to curve numbers for Slovak and Polish Carpathian catchments. Journal of Hydrology and Hydromechanics, 2020, 68, 170-179.	2.0	4
13	Comparison of two approaches for an estimation of the mean annual flood at ungauged sites in Slovakia. Pollack Periodica, 2020, 15, 130-141.	0.4	1
14	Sensitivity analysis of soil parameters and their impact on runoff-erosion processes. Pollack Periodica, 2020, 15, 53-64.	0.4	1
15	Predicted Changes in Short-Term Rainfall Intensities and Runoff at the Ipoltica River Basin. Pollack Periodica, 2020, 15, 172-183.	0.4	0
16	Comparison of the variances of a lumped and semi-distributed model parameters. Acta Hydrologica Slovaca, 2020, 21, 172-177.	0.6	0
17	Detecting Similarity in Flood Seasonality of Slovak and Austrian Catchments. IOP Conference Series: Materials Science and Engineering, 2019, 471, 022027.	0.6	1
18	Changing climate both increases and decreases European river floods. Nature, 2019, 573, 108-111.	27.8	639

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19	Twenty-three unsolved problems in hydrology (UPH) â€“ a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	2.6	474
20	Impacts of Future Climate Change on Runoff in Selected Catchments of Slovakia. Climate Change Management, 2019, , 279-292.	0.8	4
21	Future impacts of land use and climate change on extreme runoff values in selected catchments of Slovakia. Meteorology Hydrology and Water Management, 2019, 7, .	0.4	11
22	Irrigation Water Use in the Danube Basin: Facts, Governance and Approach to Sustainability. Journal of Environmental Geography, 2019, 12, 1-12.	0.5	3
23	Future changes in short-term rainfall intensities in ZÃ¡horskÃ¡ NÃ¾ina Lowlands, Slovakia. Pollack Periodica, 2019, 14, 141-152.	0.4	0
24	Probabilistic properties of the date of maximum river flow, an approach based on circular statistics in lowland, highland and mountainous catchment. Acta Geophysica, 2018, 66, 755-768.	2.0	7
25	Assessing Impacts of Soil Management Measures on Ecosystem Services. Sustainability, 2018, 10, 4416.	3.2	28
26	An assessment of soil water erosion in the Myjava hill land: The application of a physically-based erosion model. Pollack Periodica, 2018, 13, 197-208.	0.4	2
27	Analysis of future changes in the trends and scaling coefficients for short-term rainfall in southwestern Slovakia. Pollack Periodica, 2018, 13, 163-174.	0.4	6
28	Design of measures for soil erosion control and assessment of their effect on the reduction of peak flows. Pollack Periodica, 2018, 13, 209-219.	0.4	5
29	Detection of future changes in trends and scaling exponents in extreme short-term rainfall at selected stations in Slovakia. Contributions To Geophysics and Geodesy, 2018, 48, 207-230.	0.6	6
30	Comparison of two concepts for assessment of sediment transport in small agricultural catchments. Journal of Hydrology and Hydromechanics, 2018, 66, 404-415.	2.0	5
31	Changing climate shifts timing of European floods. Science, 2017, 357, 588-590.	12.6	584
32	The potential for land use change to reduce flood risk in mid-sized catchments in the Myjava region of Slovakia. Contributions To Geophysics and Geodesy, 2017, 47, 95-112.	0.6	5
33	Detection of future changes in seasonality in extreme short-term rainfall in selected stations of Slovakia. Contributions To Geophysics and Geodesy, 2017, 47, 133-148.	0.6	5
34	Methods for Improvement of the Ecosystem Services of Soil by Sustainable Land Management in the Myjava River Basin. Slovak Journal of Civil Engineering, 2017, 25, 29-36.	0.5	11
35	Modelling the Climate Change Impact On Monthly Runoff in Central Slovakia. Procedia Engineering, 2016, 161, 2127-2132.	1.2	4
36	Post-event analysis and flash flood hydrology in Slovakia. Journal of Hydrology and Hydromechanics, 2016, 64, 304-315.	2.0	15

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37	Joint modelling of flood peaks and volumes: A copula application for the Danube River. Journal of Hydrology and Hydromechanics, 2016, 64, 382-392.	2.0	17
38	A regional comparative analysis of empirical and theoretical flood peak-volume relationships. Journal of Hydrology and Hydromechanics, 2016, 64, 367-381.	2.0	26
39	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.	0.6	4
40	Variability of seasonal floods in the Upper Danube River basin. Journal of Hydrology and Hydromechanics, 2016, 64, 357-366.	2.0	16
41	Thematic Issue on Floods in the Danube basin â€“ processes, patterns, predictions. Journal of Hydrology and Hydromechanics, 2016, 64, 301-303.	2.0	4
42	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.	0.6	2
43	Probabilistic properties of a curve number: A case study for small Polish and Slovak Carpathian Basins. Journal of Mountain Science, 2015, 12, 533-548.	2.0	21
44	Estimation of the impact of climate change-induced extreme precipitation events on floods. Contributions To Geophysics and Geodesy, 2015, 45, 173-192.	0.6	18
45	Retention and Curve Number Variability in a Small Agricultural Catchment: The Probabilistic Approach. Water (Switzerland), 2014, 6, 1118-1133.	2.7	23
46	Pooling of low flow regimes using cluster and principal component analysis. Slovak Journal of Civil Engineering, 2012, 20, 19-27.	0.5	6
47	Application of Artificial Neural Networks for estimating index floods. Contributions To Geophysics and Geodesy, 2012, 42, 295-311.	0.6	6
48	Flood timescales: Understanding the interplay of climate and catchment processes through comparative hydrology. Water Resources Research, 2012, 48, .	4.2	156
49	Methodology for post-event analysis of flash floods - SvacenickÃ½ Creek case study. Contributions To Geophysics and Geodesy, 2011, 41, 235-250.	0.6	5
50	A compilation of data on European flash floods. Journal of Hydrology, 2009, 367, 70-78.	5.4	623
51	The limitations of assessing impacts of land use changes on runoff with a distributed hydrological model: case study of the Hron River. Biologia (Poland), 2009, 64, 589-593.	1.5	7
52	Water balance comparison of two small experimental basins with different vegetation cover. Biologia (Poland), 2009, 64, 487-491.	1.5	10
53	Application of the Frier Distributed Model for Estimating the Impact of Land use Changes on the Water Balance in Selected Basins in Slovakia. Journal of Hydrology and Hydromechanics, 2009, 57, 213-225.	2.0	4