

# Matej Durcik

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,175  
citations

430754

18  
h-index

580701

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2034  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed overview of the multimodel multiproduct streamflow forecasting platform. <i>Journal of Applied Water Engineering and Research</i> , 2020, 8, 277-289.	1.0	6
2	Highly sampled measurements in a controlled atmosphere at the Biosphere 2 Landscape Evolution Observatory. <i>Scientific Data</i> , 2020, 7, 306.	2.4	1
3	Why Do Large-scale Land Surface Models Produce a Low Ratio of Transpiration to Evapotranspiration?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 9109-9130.	1.2	47
4	Assessing hydrological impacts of short-term climate change in the Mara River basin of East Africa. <i>Journal of Hydrology</i> , 2018, 566, 818-829.	2.3	15
5	Design and implementation of an operational multimodel multiproduct real-time probabilistic streamflow forecasting platform. <i>Journal of Hydroinformatics</i> , 2017, 19, 911-919.	1.1	7
6	Evaluation of the Performance of Three Satellite Precipitation Products over Africa. <i>Remote Sensing</i> , 2016, 8, 836.	1.8	43
7	Solid-phase redistribution of rare earth elements in hillslope pedons subjected to different hydrologic fluxes. <i>Chemical Geology</i> , 2016, 426, 1-18.	1.4	23
8	The Landscape Evolution Observatory: A large-scale controllable infrastructure to study coupled Earth-surface processes. <i>Geomorphology</i> , 2015, 244, 190-203.	1.1	47
9	An integrated modelling framework of catchment-scale ecohydrological processes: 2. The role of water subsidy by overland flow on vegetation dynamics in a semi-arid catchment. <i>Ecohydrology</i> , 2014, 7, 815-827.	1.1	20
10	An integrated modelling framework of catchment-scale ecohydrological processes: 1. Model description and tests over an energy-limited watershed. <i>Ecohydrology</i> , 2014, 7, 427-439.	1.1	68
11	Coevolution of nonlinear trends in vegetation, soils, and topography with elevation and slope aspect: A case study in the sky islands of southern Arizona. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 741-758.	1.0	76
12	Climate change projection of snowfall in the Colorado River Basin using dynamical downscaling. <i>Water Resources Research</i> , 2012, 48, .	1.7	45
13	Quantifying regional scale ecosystem response to changes in precipitation: Not all rain is created equal. <i>Water Resources Research</i> , 2011, 47, .	1.7	69
14	Quantifying the role of climate and landscape characteristics on hydrologic partitioning and vegetation response. <i>Water Resources Research</i> , 2011, 47, .	1.7	74
15	Decreased streamflow in semi-arid basins following drought-induced tree die-off: A counter-intuitive and indirect climate impact on hydrology. <i>Journal of Hydrology</i> , 2011, 406, 225-233.	2.3	92
16	How Water, Carbon, and Energy Drive Critical Zone Evolution: The Jemez-Santa Catalina Critical Zone Observatory. <i>Vadose Zone Journal</i> , 2011, 10, 884-899.	1.3	111
17	Hydrologic effects of the expansion of rubber ( <i>Hevea brasiliensis</i> ) in a tropical catchment. <i>Ecohydrology</i> , 2010, 3, 306-314.	1.1	109
18	Effects of Climate Variability on Water Storage in the Colorado River Basin. <i>Journal of Hydrometeorology</i> , 2009, 10, 1257-1270.	0.7	20

#	ARTICLE	IF	CITATIONS
19	Climate and vegetation water use efficiency at catchment scales. <i>Hydrological Processes</i> , 2009, 23, 2409-2414.	1.1	176
20	Accuracy and Performance Assessment of a Window-Based Heuristic Algorithm for Real-Time Routing in Map-Based Mobile Applications. <i>Lecture Notes in Geoinformation and Cartography</i> , 2008, , 248-266.	0.5	3
21	New data sets to estimate terrestrial water storage change. <i>Eos</i> , 2007, 88, 469-470.	0.1	22
22	Evaluation of Uncertainties Associated with Geocoding Techniques. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2004, 19, 170-185.	6.3	60
23	Radon Risk Assessment in Slovak Kindergartens and Basic Schools. <i>Radiation Protection Dosimetry</i> , 1997, 71, 201-206.	0.4	18
24	Experimental study of radon and thoron diffusion through barriers. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 209, 307-313.	0.7	12
25	Controlled Experiments of Hillslope Coevolution at the Biosphere 2 Landscape Evolution Observatory: Toward Prediction of Coupled Hydrological, Biogeochemical, and Ecological Change. , 0, , .		9