

Michal PodhorÅ¡ny

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

129
citations

1478505

6
h-index

1281871

11
g-index

20
all docs

20
docs citations

20
times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	Inaccuracy introduced by LiDAR-generated cross sections and its impact on 1D hydrodynamic simulations. <i>Environmental Earth Sciences</i> , 2015, 73, 1-11.	2.7	44
2	Effects of LIDAR DEM resolution in hydrodynamic modelling: model sensitivity for cross-sections. <i>International Journal of Digital Earth</i> , 2013, 6, 3-27.	3.9	20
3	Cellular Automata for the Flow Simulations on the Earth Surface, Optimization Computation Process. <i>Applied Mathematics and Information Sciences</i> , 2013, 7, 2149-2158.	0.5	19
4	A comprehensive social media data processing and analytics architecture by using big data platforms: a case study of twitter flood-risk messages. <i>Earth Science Informatics</i> , 2021, 14, 913-929.	3.2	9
5	UNCERTAINTY MODELLING IN RAINFALL-RUNOFF SIMULATIONS BASED ON PARALLEL MONTE CARLO METHOD. <i>Neural Network World</i> , 2015, 25, 267-286.	0.8	9
6	Floreon+: A Web-Based Platform for Flood Prediction, Hydrologic Modelling and Dynamic Data Analysis. <i>Lecture Notes in Geoinformation and Cartography</i> , 2018, , 409-422.	1.0	6
7	Neural Network-Based Urban Change Monitoring with Deep-Temporal Multispectral and SAR Remote Sensing Data. <i>Remote Sensing</i> , 2021, 13, 3000.	4.0	6
8	Mathematical modelling of the dynamics of mountain basin snow cover in Moravian-Silesian Beskydy for operational purposes. <i>Water Resources</i> , 2015, 42, 302-312.	0.9	4
9	A Web-Based Modelling and Monitoring System Based on Coupling Environmental Models and Hydrological-Related Data. <i>Journal of Communications</i> , 2017, , 340-346.	1.6	3
10	Parameter recalculation for a rainfall-runoff model with a focus on runoff curve numbers. <i>GeoScape</i> , 2019, 13, 132-140.	1.4	3
11	Automatic calibration of rainfall-runoff models and its parallelization strategies. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	2
12	Social Media Data Processing Infrastructure by Using Apache Spark Big Data Platform. , 2019, , .		2
13	Dynamic computing resource allocation in online flood monitoring and prediction. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 39, 012061.	0.3	1
14	Flood evolution assessment and monitoring using hydrological modelling techniques: analysis of the inundation areas at a regional scale. <i>IOP Conference Series: Earth and Environmental Science</i> , 2016, 39, 012043.	0.3	1
15	Automatization of hydrodynamic modelling in a Floreon+ system. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
16	Just-In-Time Execution Through On-Demand Resource Allocation in HPC Systems. , 2017, , .		0
17	Hpc Based Smart Remote Execution Solution for Modelling Environmental Issues. , 2018, , .		0
18	Flood Risk Monitoring by Using 2D Hydrodynamic Modeling: A Case Study of Frá½dek-MĀstek City. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	THE DEVELOPMENT OF APPLICATIONS FOR ASSESSMENT THE EFFECT OF LINEAR TECHNICAL BARRIERS ON THE FLOW IN THE RIVER BASIN OL?A. , 2013, , .		0
20	Development and HPC Preliminary Testing of a TRM Reactive-transport Model for Solving Potential Environmental Issues. , 2019, , .		0