Slobodan Djordjevic

List of Publications by Year
in descending order

90 papers	3,684 citations	126858 33 h-index	138417 58 g-index
92 all docs	92 docs citations	92 times ranked	2686 citing authors

#	ARTICLE	IF	CITATIONS
1	Understanding the NEEDS for ACTING: An integrated framework for applying nature-based solutions in Brazil. Water Science and Technology, 2022, 85, 987-1010.	1.2	7
2	Water-food-energy nexus for transboundary cooperation in Eastern Africa. Water Science and Technology: Water Supply, 2022, 22, 3567-3587.	1.0	6
3	Using public participation within land use change scenarios for analysing environmental and socioeconomic drivers. Environmental Research Letters, 2022, 17, 025002.	2.2	5
4	Multi-Temporal Built-Up Grids of Brazilian Cities: How Trends and Dynamic Modelling Could Help on Resilience Challenges?. Sustainability, 2021, 13, 748.	1.6	4
5	An integrated socio-environmental framework for mapping hazard-specific vulnerability and exposure in urban areas. Urban Water Journal, 2021, 18, 530-543.	1.0	10
6	Cellular automata predictive model for man-made environment growth in a Brazilian semi-arid watershed. Environmental Monitoring and Assessment, 2021, 193, 323.	1.3	2
7	Targeting property flood resilience in flood risk management. Journal of Flood Risk Management, 2021, 14, e12723.	1.6	7
8	Hydroinformatics education â€" the Water Informatics in Science and Engineering (WISE) Centre for Doctoral Training. Hydrology and Earth System Sciences, 2021, 25, 2721-2738.	1.9	3
9	Place-Based Citizen Science for Assessing Risk Perception and Coping Capacity of Households Affected by Multiple Hazards. Sustainability, 2021, 13, 302.	1.6	10
10	Prediction of flow around a sharp-nosed bridge pier: influence of the Froude number and free-surface variation on the flow field. Journal of Hydraulic Research/De Recherches Hydrauliques, 2020, 58, 582-593.	0.7	3
11	Assessing and visualising hazard impacts to enhance the resilience of Critical Infrastructures to urban flooding. Science of the Total Environment, 2020, 707, 136078.	3.9	40
12	Water systems modelling, data and control. Urban Water Journal, 2020, 17, 681-681.	1.0	0
13	Increased Urban Resilience to Climate Changeâ€"Key Outputs from the RESCCUE Project. Sustainability, 2020, 12, 9881.	1.6	4
14	The Nile Water-Food-Energy Nexus under Uncertainty: Impacts of the Grand Ethiopian Renaissance Dam. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	26
15	Interlinking Bristol Based Models to Build Resilience to Climate Change. Sustainability, 2020, 12, 3233.	1.6	8
16	Case study of the cascading effects on critical infrastructure in Torbay coastal/pluvial flooding with climate change and 3D visualisation. Journal of Hydroinformatics, 2020, 22, 77-92.	1.1	6
17	Flume experiments on the impact of a cross-flow turbine on an erodible bed. Renewable Energy, 2020, 153, 1219-1225.	4.3	2
18	Land-Use and Legislation-Based Methodology for the Implementation of Sustainable Drainage Systems in the Semi-Arid Region of Brazil. Sustainability, 2020, 12, 661.	1.6	11

#	Article	IF	Citations
19	A method for evaluating local scour depth at bridge piers due to debris accumulation. Proceedings of the Institution of Civil Engineers: Bridge Engineering, 2020, 173, 86-99.	0.3	13
20	Investigating the Effects of Pluvial Flooding and Climate Change on Traffic Flows in Barcelona and Bristol. Sustainability, 2020, 12, 2330.	1.6	23
21	A practical method to assess risks from large wood debris accumulations at bridge piers. Science of the Total Environment, 2020, 728, 138575.	3.9	28
22	Assessing the knock-on effects of flooding on road transportation. Journal of Environmental Management, 2019, 244, 48-60.	3.8	45
23	Wastewater System Ventilation â€" A Friend or Adversary?. Green Energy and Technology, 2019, , 712-716.	0.4	1
24	The effect of inclusion of inlets in dual drainage modelling. Journal of Hydrology, 2018, 559, 541-555.	2.3	49
25	Mapping urban infrastructure interdependencies and fuzzy risks. Procedia Engineering, 2018, 212, 816-823.	1.2	13
26	3D visualisation tool for improving the resilience to urban and coastal flooding in Torbay, UK. Procedia Engineering, 2018, 212, 809-815.	1.2	10
27	Back to the future: assessing the damage of 2004 Dhaka flood in the 2050 urban environment. Journal of Flood Risk Management, 2018, 11, .	1.6	13
28	A realâ€time pluvial flood forecasting system for Castries, St. Lucia. Journal of Flood Risk Management, 2018, 11, .	1.6	14
29	Influence of sewer network models on urban flood damage assessment based on coupled <scp>1D</scp>/<scp>2D</scp> models. Journal of Flood Risk Management, 2018, 11, .	1.6	37
30	Stability criteria for flooded vehicles: a stateâ€ofâ€theâ€art review. Journal of Flood Risk Management, 2018, 11, .	1.6	63
31	Wetting and drying numerical treatments for the Roe Riemann scheme. Journal of Hydraulic Research/De Recherches Hydrauliques, 2018, 56, 256-267.	0.7	11
32	Exploring the potential climate change impact on urban growth in London by a cellular automata-based Markov chain model. Computers, Environment and Urban Systems, 2018, 68, 121-132.	3.3	49
33	Resilience to Cope with Climate Change in Urban Areasâ€"A Multisectorial Approach Focusing on Waterâ€"The RESCCUE Project. Water (Switzerland), 2018, 10, 1356.	1.2	26
34	Experimental Study on Scour at a Sharp-Nose Bridge Pier with Debris Blockage. Journal of Hydraulic Engineering, 2018, 144, .	0.7	32
35	A new flood risk assessment framework for evaluating the effectiveness of policies to improve urban flood resilience. Urban Water Journal, 2018, 15, 427-436.	1.0	31
36	On the Characteristics of Velocities Fields in the Vicinity of Manhole Inlet Grates During Flood Events. Water Resources Research, 2018, 54, 6408-6422.	1.7	37

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37	Methodological Framework for Analysing Cascading Effects from Flood Events: The Case of Sukhumvit Area, Bangkok, Thailand. Water (Switzerland), 2018, 10, 81.	1.2	17
38	An integrated framework for high-resolution urban flood modelling considering multiple information sources and urban features. Environmental Modelling and Software, 2018, 107, 85-95.	1.9	150
39	A comparison of three dual drainage models: shallow water vs local inertial vs diffusive wave. Journal of Hydroinformatics, 2017, 19, 331-348.	1.1	42
40	Validation of 2D shock capturing flood models around a surcharging manhole. Urban Water Journal, 2017, 14, 892-899.	1.0	25
41	Exploring the implications of tidal farms deployment for wetland-birds habitats in a highly protected estuary. Marine Policy, 2017, 81, 359-367.	1.5	5
42	Experimental calibration and validation of sewer/surface flow exchange equations in steady and unsteady flow conditions. Journal of Hydrology, 2017, 552, 421-432.	2.3	64
43	A new experiments-based methodology to define the stability threshold for any vehicle exposed to flooding. Urban Water Journal, 2017, 14, 930-939.	1.0	59
44	The impacts of tidal turbines on water levels in a shallow estuary. International Journal of Marine Energy, 2017, 19, 177-197.	1.8	7
45	The influence of channel geometry on tidal energy extraction in estuaries. Renewable Energy, 2017, 101, 514-525.	4.3	15
46	A novel approach to flood risk assessment: the Exposure-Vulnerability matrices. E3S Web of Conferences, 2016, 7, 08007.	0.2	3
47	From hazard to impact: flood damage assessment tools for mega cities. Natural Hazards, 2016, 82, 857-890.	1.6	55
48	The Use of Telemetry Data for the Identification of Issues at Combined Sewer Overflows. Procedia Engineering, 2016, 154, 1201-1208.	1.2	5
49	Developing Decision Tree Models to Create a Predictive Blockage Likelihood Model for Real-World Wastewater Networks. Procedia Engineering, 2016, 154, 1209-1216.	1.2	8
50	A weighted cellular automata 2D inundation model for rapid flood analysis. Environmental Modelling and Software, 2016, 84, 378-394.	1.9	147
51	Accuracy and Computational Efficiency of 2D Urban Surface Flood Modelling Based on Cellular Automata. Procedia Engineering, 2016, 154, 801-810.	1.2	33
52	Analytical and numerical solutions of the Local Inertial Equations. International Journal of Non-Linear Mechanics, 2016, 81, 222-229.	1.4	9
53	Analytical Solution of the Classical Dam-Break Problem for the Gravity Wave–Model Equations. Journal of Hydraulic Engineering, 2016, 142, .	0.7	17
54	Modelling sewer discharge via displacement of manhole covers during flood events using 1D/2D SIPSON/P-DWave dual drainage simulations. Urban Water Journal, 2016, 13, 830-840.	1.0	45

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55	Hydrodynamic effects of debris blockage and scour on masonry bridges: Towards experimental modelling. , 2016, , .		8
56	Predictive risk modelling of real-world wastewater network incidents. Procedia Engineering, 2015, 119, 1288-1298.	1.2	12
57	Analysis of extreme flooding events through a calibrated 1D/2D coupled model: the case of Barcelona (Spain). Journal of Hydroinformatics, 2015, 17, 473-491.	1.1	54
58	A well balanced Roe scheme for the local inertial equations with an unstructured mesh. Advances in Water Resources, 2015, 83, 351-363.	1.7	25
59	Urban flood impact assessment: A state-of-the-art review. Urban Water Journal, 2015, 12, 14-29.	1.0	441
60	Uncertainties in Flood Modelling in Urban Areas. , 2014, , 297-334.		7
61	Assessing the potential for real-time urban flood forecasting based on a worldwide survey on data availability. Urban Water Journal, 2014, 11, 573-583.	1.0	21
62	Quick and accurate Cellular Automata sewer simulator. Journal of Hydroinformatics, 2014, 16, 1359-1374.	1.1	18
63	Sampling rainfall events: a novel approach to generate large correlated samples. Hydrology Research, 2013, 44, 351-361.	1.1	4
64	Experimental and numerical investigation of interactions between above and below ground drainage systems. Water Science and Technology, 2013, 67, 535-542.	1.2	48
65	Formulation of a fast 2D urban pluvial flood model using a cellular automata approach. Journal of Hydroinformatics, 2013, 15, 676-686.	1.1	95
66	Implications of rising flood-risk for employment location: a GMM spatial model with agglomeration and endogenous house price effects. Journal of Property Research, 2013, 30, 298-323.	1.7	11
67	Multi-layered coarse grid modelling in 2D urban flood simulations. Journal of Hydrology, 2012, 470-471, 1-11.	2.3	48
68	Integration of research advances in modelling and monitoring in support of WFD river basin management planning in the context of climate change. Science of the Total Environment, 2012, 440, 167-177.	3.9	45
69	Separating aleatory and epistemic uncertainties: Probabilistic sewer flooding evaluation using probability box. Journal of Hydrology, 2012, 420-421, 360-372.	2.3	39
70	A coarse-grid approach to representing building blockage effects in 2D urban flood modelling. Journal of Hydrology, 2012, 426-427, 1-16.	2.3	59
71	A general framework for flood risk-based storm sewer network design. Urban Water Journal, 2011, 8, 13-27.	1.0	35
72	Decision making in flood risk based storm sewer network design. Water Science and Technology, 2011, 64, 247-254.	1.2	9

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73	A fast approach for multiobjective design of water distribution networks under demand uncertainty. Journal of Hydroinformatics, 2011, 13, 143-152.	1.1	9
74	Calibration of a 1D/1D urban flood model using 1D/2D model results in the absence of field data. Water Science and Technology, 2011, 64, 1016-1024.	1.2	59
75	New policies to deal with climate change and other drivers impacting on resilience to flooding in urban areas: the CORFU approach. Environmental Science and Policy, 2011, 14, 864-873.	2.4	89
76	Application of Open Source CFD in Urban Water Management. , 2011, , .		1
77	An analysis of the combined consequences of pluvial and fluvial flooding. Water Science and Technology, 2010, 62, 1491-1498.	1.2	54
78	Overland flow and pathway analysis for modelling of urban pluvial flooding. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 512-523.	0.7	132
79	Comparison of 1D/1D and 1D/2D Coupled (Sewer/Surface) Hydraulic Models for Urban Flood Simulation. Journal of Hydraulic Engineering, 2009, 135, 495-504.	0.7	246
80	A multi-model approach to the simulation of large scale karst flows. Journal of Hydrology, 2008, 348, 412-424.	2.3	24
81	Attribution of flood risk in urban areas. Journal of Hydroinformatics, 2008, 10, 275-288.	1.1	98
82	Modelling sewer failure by evolutionary computing. Water Management, 2006, 159, 111-118.	0.4	51
83	Incorporating spatial and temporal information for urban drainage model calibration: An approach using preference ordering genetic algorithm. Advances in Water Resources, 2006, 29, 1168-1181.	1.7	18
84	SIPSON â€" Simulation of Interaction between Pipe flow and Surface Overland flow in Networks. Water Science and Technology, 2005, 52, 275-283.	1.2	116
85	SIPSON--simulation of interaction between pipe flow and surface overland flow in networks. Water Science and Technology, 2005, 52, 275-83.	1.2	0
86	Simulation of Transcritical Flow in Pipe/Channel Networks. Journal of Hydraulic Engineering, 2004, 130, 1167-1178.	0.7	32
87	Potential and limitations of 1D modelling of urban flooding. Journal of Hydrology, 2004, 299, 284-299.	2.3	253
88	An approach to simulation of dual drainage. Water Science and Technology, 1999, 39, 95-103.	1.2	94
89	An approach to simulation of dual drainage. Water Science and Technology, 1999, 39, 95.	1.2	53
90	Mathematical model of unsteady transport and its experimental verification in a compound open channel flow. Journal of Hydraulic Research/De Recherches Hydrauliques, 1993, 31, 229-248.	0.7	16