Ioana Popescu

List of Publications by Year
in descending order

| 69 papers | 1,917 citations | 304743

22 h-index | 265206

42 g-index |
| --- | --- | --- | --- |
| 75 all docs | 75 docs citations | 75 times ranked | 2456 citing authors |

#	Article	IF	Citations
1	The Critical Importance of Citizen Science Data. Frontiers in Climate, 2021, 3, .	2.8	59
2	Application of Smooth Particle Hydrodynamics to Particular Flow Cases Solved by Saint-Venant Equations. Water (Switzerland), 2021, 13, 1671.	2.7	0
3	Citizens' Campaigns for Environmental Water Monitoring: Lessons From Field Experiments. IEEE Access, 2019, 7, 134601-134620.	4.2	12
4	Modelling support to citizen observatories for strategic Danube Delta planning: Sontea-Fortuna case study. Journal of Environmental Planning and Management, 2019, 62, 1972-1989.	4.5	0
5	Flood risk assessment due to cyclone-induced dike breaching in coastal areas of Bangladesh. Natural Hazards and Earth System Sciences, 2019, 19, 353-368.	3.6	21
6	Analysis of Flood Storage Area Operations in Huai River Using 1D and 2D River Simulation Models Coupled with Global Optimization Algorithms. Geosciences (Switzerland), 2019, 9, 509.	2.2	12
7	Automated Updating of Land Cover Maps Used in Hydrological Modelling. Lecture Notes in Business Information Processing, 2019, , 498-506.	1.0	0
8	Salinity Control on Saigon River Downstream of Dautieng Reservoir Within Multi-objective Simulation-Optimisation Framework for Reservoir Operation. Lecture Notes in Computer Science, 2019, , 329-345.	1.3	3
9	Optimization of water allocation in the Shatt al-Arab River under different salinity regimes and tide impact. Hydrological Sciences Journal, 2018, 63, 646-656.	2.6	3
10	Crowdsourcing Methods for Data Collection in Geophysics: State of the Art, Issues, and Future Directions. Reviews of Geophysics, 2018, 56, 698-740.	23.0	90
11	Citizen observations contributing to flood modelling: opportunities and challenges. Hydrology and Earth System Sciences, 2018, 22, 1473-1489.	4.9	100
12	SCENT INTEGRATED TOOLBOX FOR MONITORING FLOOD PHENOMENA. WIT Transactions on the Built Environment, 2018, , .	0.0	1
13	Analysis of Possible Actions to Manage the Longitudinal Changes of Water Salinity in a Tidal River. Water Resources Management, 2017, 31, 2157-2171.	3.9	8
14	Proposal of a hydric index to support industrial site location decision-making applying a fuzzy multi-attribute methodology. Ecological Indicators, 2017, 83, 427-440.	6.3	6
15	SCENT: Citizen Sourced Data in Support of Environmental Monitoring. , 2017, , .		5
16	Modeling Extreme Flood Events in the Yellow River Using Unstructured Grids. Transactions of the ASABE, 2016, 59, 129-143.	1.1	0
17	Predicting the salt water intrusion in the Shatt al-Arab estuary using an analytical approach. Hydrology and Earth System Sciences, 2016, 20, 4031-4042.	4.9	23
18	Assessing the sustainability of local resilience practices against sea level rise impacts on the lower Niger delta. Ocean and Coastal Management, 2016, 130, 221-228.	4.4	15

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19	Anthropogenic and tidal influences on salinity levels of the Shatt al-Arab River, Basra, Iraq. International Journal of River Basin Management, 2016, 14, 357-366.	2.7	21
20	Applicability of a coastal morphodynamic model for fluvial environments. Environmental Modelling and Software, 2016, 80, 83-99.	4.5	5
21	Decision Support System for Daily and Long Term Operations of the System of Milan, Italy. Procedia Engineering, 2016, 154, 58-61.	1.2	3
22	Approach on Modeling Complex Deltas in Data Scarce Areas: A Case Study of the Lower Niger Delta. Procedia Engineering, 2016, 154, 656-664.	1.2	1
23	Educating for action: Aligning skills with policies for sustainable development in the Danube river basin. Science of the Total Environment, 2016, 543, 765-777.	8.0	18
24	Evolution of the Bengal Delta and Its Prevailing Processes. Journal of Coastal Research, 2016, 321, 1212-1226.	0.3	72
25	Uncertainty Analysis of Hydrodynamic Modeling of Flooding in the Lower Niger River Under Sea Level Rise Conditions. Springer Water, 2016, , 189-202.	0.3	0
26	A review of applications of satellite SAR, optical, altimetry and DEM data for surface water modelling, mapping and parameter estimation. Hydrology and Earth System Sciences, 2015, 19, 3755-3769.	4.9	86
27	Analysis of fresh-saline water interface at the Shatt Al-Arab estuary. International Journal of River Basin Management, 2015, 13, 17-25.	2.7	16
28	Shatt al Arab River system under escalating pressure: a preliminary exploration of the issues and options for mitigation. International Journal of River Basin Management, 2015, 13, 215-227.	2.7	35
29	Use of hydrodynamic models for the management of the Danube Delta wetlands: The case study of Sontea-Fortuna ecosystem. Environmental Science and Policy, 2015, 46, 48-56.	4.9	15
30	Vulnerability and Exposure in Developed and Developing Countries. , 2015, , 125-162.		5
31	TOWARDS INCREASED WATER AND ENERGY EFFICIENCIES IN WATER DISTRIBUTION SYSTEMS. Environmental Engineering and Management Journal, 2015, 14, 1271-1278.	0.6	3
32	APPLICATION OF A WEB-BASED DECISION SUPPORT SYSTEM FOR WATER SUPPLY NETWORKS. Environmental Engineering and Management Journal, 2015, 14, 2087-2094.	0.6	4
33	Challenges in modelling river flow and ice regime on the Ningxiaâ€"Inner Mongolia reach of the Yellow River, China. Hydrology and Earth System Sciences, 2014, 18, 1225-1237.	4.9	24
34	The Niger Delta's vulnerability to river floods due to sea level rise. Natural Hazards and Earth System Sciences, 2014, 14, 3317-3329.	3.6	23
35	Effects of climate change over energy production in La Plata Basin. International Journal of River Basin Management, 2014, 12, 319-327.	2.7	12
36	ICT for Efficient Water Resources Management: The ICeWater Energy Management and Control Approach. Procedia Engineering, 2014, 70, 633-640.	1.2	25

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37	Flood impact in the Mekong Delta, Vietnam. Journal of Maps, 2014, 10, 257-268.	2.0	39
38	Modeling the Inference between Upstream Inflow Hydrographs and Downstream Flooded Areas in a Reservoir Driven System. Procedia, Social and Behavioral Sciences, 2014, 108, 207-218.	0.5	2
39	Flood inference simulation using surrogate modelling for the Yellow River multiple reservoir system. Environmental Modelling and Software, 2014, 55, 250-265.	4.5	15
40	Computational Hydraulics: Numerical Methods and Modelling. , 2014, , .		6
41	Comparison of sediment transport computations using hydrodynamic versus hydrologic models in the Simiyu River in Tanzania. Physics and Chemistry of the Earth, 2013, 61-62, 12-21.	2.9	19
42	A GIS-based assessment of maximum potential hydropower production in La Plata basin under global changes. Renewable Energy, 2013, 50, 103-114.	8.9	57
43	Parametric and physically based modelling techniques for flood risk and vulnerability assessment: A comparison. Environmental Modelling and Software, 2013, 41, 84-92.	4.5	177
44	Cloud and cluster computing in uncertainty analysis of integrated flood models. Journal of Hydroinformatics, 2013, 15, 55-70.	2.4	40
45	Google Android mobile phone applications for water quality information management. Journal of Hydroinformatics, 2013, 15, 1137-1149.	2.4	18
46	ON THE INFLUENCE OF BED FORMS ON FLOOD LEVELS. Environmental Engineering and Management Journal, 2013, 12, 857-863.	0.6	4
47	EMBANKMENT FAILURE MODELING USING THE HR BREACH MODEL. Environmental Engineering and Management Journal, 2013, 12, 865-874.	0.6	1
48	CHALLENGES FOR 2D WATER QUALITY MODELLING OF LAKE TAIHU IN CHINA. Environmental Engineering and Management Journal, 2013, 12, 1031-1044.	0.6	1
49	WEB-BASED FLOOD INFORMATION SYSTEM: CASE STUDY OF SOMESUL MARE, ROMANIA. Environmental Engineering and Management Journal, 2013, 12, 1065-1070.	0.6	9
50	Climate change impact on flood hazard, vulnerability and risk of the Long Xuyen Quadrangle in the Mekong Delta. International Journal of River Basin Management, 2012, 10, 103-120.	2.7	109
51	Assessing residual hydropower potential of the La Plata Basin accounting for future user demands. Hydrology and Earth System Sciences, 2012, 16, 2813-2823.	4.9	24
52	A study of the climate change impacts on fluvial flood propagation in the Vietnamese Mekong Delta. Hydrology and Earth System Sciences, 2012, 16, 4637-4649.	4.9	62
53	Distance Learning in Support of Water Resources Management: An Online Course on Decision Support Systems in River Basin Management. Water Resources Management, 2012, 26, 1287-1305.	3.9	14
54	River cross-section extraction from the ASTER global DEM for flood modeling. Environmental Modelling and Software, 2012, 31, 37-46.	4.5	128

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55	Model-Based Optimization of Downstream Impact during Filling of a New Reservoir: Case Study of Mandaya/Roseires Reservoirs on the Blue Nile River. Water Resources Management, 2012, 26, 273-293.	3.9	24
56	MOBILE PHONE APPLICATIONS IN THE WATER DOMAIN. Environmental Engineering and Management Journal, 2012, 11, 919-930.	0.6	24
57	DECISION SUPPORT SYSTEMS FOR FLOOD MANAGEMENT IN THE TIMIS BEGA CATCHMENT. Environmental Engineering and Management Journal, 2012, 11, 2305-2311.	0.6	10
58	Experiences from online and classroom education in hydroinformatics. Hydrology and Earth System Sciences, 2012, 16, 3935-3944.	4.9	6
59	LENVIS: A USER CENTRIC, WEB SERVICES BASED SYSTEM TO RETRIEVE, ANALYZE AND DELIVER ENVIRONMENTAL AND HEALTH INFORMATION. Environmental Engineering and Management Journal, 2012, 11, 889-897.	0.6	2
60	Linking SWAT and SOBEK Using Open Modeling Interface (OpenMI) for Sediment Transport Simulation in the Blue Nile River Basin. Transactions of the ASABE, 2011, 54, 1749-1757.	1.1	28
61	Application of a coastal modelling code in fluvial environments. Environmental Modelling and Software, 2011, 26, 1685-1695.	4.5	34
62	Towards new types of water-centric collaboration. Water Management, 2010, 163, 39-51.	1.2	21
63	Integrated modelling for flood risk mitigation in Romania: case study of the Timisâ€"Bega river basin. International Journal of River Basin Management, 2010, 8, 269-280.	2.7	24
64	Application of model trees and other machine learning techniques for algal growth prediction in Yongdam reservoir, Republic of Korea. Journal of Hydroinformatics, 2010, 12, 262-274.	2.4	52
65	Initiation of the Upper Mississippi River Basin Observatory. , 2010, , .		3
66	An experience in knowledge mapping. Journal of Knowledge Management, 2005, 9, 123-128.	5.1	18
67	Main concepts of the "European approach" to karst-groundwater-vulnerability assessment and mapping. Hydrogeology Journal, 2002, 10, 340-345.	2.1	207
68	Theoretical background: unsteady flow. , 0, , 21-30.		0
69	Optimal Operation of Flood Storage Areas in Huai River Using Coupled HEC-RAS River Model and NSGAII Global Optimization Algorithm. , 0, , .		1