Ilhan Ã–zgen-Xian

List of Publications by Year
in descending order

21 papers	293 citations
933410 10 h-index	888047 17 g-index
24 all docs	24 docs citations
24 times ranked	225 citing authors

#	Article	IF	Citations
1	A mass-conservative predictor-corrector solution to the 1D Richards equation with adaptive time control. Journal of Hydrology, 2021, 592, 125809.	5.4	11
2	Hyperbolic Reformulation Approach to Enable Efficient Simulation of Groundwater Flow and Reactive Transport. Environmental Engineering Science, 2021, 38, 181-191.	1.6	1
3	Wavelet-based local mesh refinement for rainfall–runoff simulations. Journal of Hydroinformatics, 2020, 22, 1059-1077.	2.4	14
4	Flash flood simulations for an Egyptian city - mitigation measures and impact of infiltration. Urban Water Journal, 2020, 17, 396-406.	2.1	7
5	A depth-averaged non-cohesive sediment transport model with improved discretization of flux and source terms. Journal of Hydrology, 2019, 570, 647-665.	5.4	11
6	An improved multislope MUSCL scheme for solving shallow water equations on unstructured grids. Computers and Mathematics With Applications, 2019, 77, 576-596.	2.7	10
7	Modeling of Flash Floods in Wadi Systems Using a Robust Shallow Water Model—Case Study El Gouna, Egypt. Springer Water, 2018, , 579-593.	0.3	4
8	High-resolution simulation of free-surface flow and tracer retention over streambeds with ripples. Limnologica, 2018, 68, 46-58.	1.5	10
9	Numerical study of building drag dissipation for- mulations in the integral porosity shallow water model. E3S Web of Conferences, 2018, 40, 06017.	0.5	0
10	Integral porosity shallow water model at district scale - Case study in Nice. E3S Web of Conferences, 2018, 40, 06018.	0.5	0
11	Towards district scale flood simulations using conventional and anisotropic porosity shallow water models with high-resolution topographic information. Houille Blanche, 2018, 104, 90-98.	0.3	0
12	Improved multislope MUSCL reconstruction on unstructured grids for shallow water equations. International Journal for Numerical Methods in Fluids, 2018, 87, 401-436.	1.6	5
13	Development of a diffusive wave shallow water model with a novel stability condition and other new features. Journal of Hydroinformatics, 2017, 19, 405-425.	2.4	8
14	Comparison of depth-averaged concentration and bed load flux sediment transport models of dam-break flow. Water Science and Engineering, 2017, 10, 287-294.	3.2	3
15	Wave propagation speeds and source term influences in single and integral porosity shallow water equations. Water Science and Engineering, 2017, 10, 275-286.	3.2	5
16	A mass conservative well–balanced reconstruction at wet/dry interfaces for the Godunov–type shallow water model. International Journal for Numerical Methods in Fluids, 2016, 82, 893-908.	1.6	1
17	Urban flood modeling using shallow water equations with depth-dependent anisotropic porosity. Journal of Hydrology, 2016, 541, 1165-1184.	5.4	52
18	Shallow water equations with depth-dependent anisotropic porosity for subgrid-scale topography. Applied Mathematical Modelling, 2016, 40, 7447-7473.	4.2	28

#	Article	IF	Citations
19	Upscaling the shallow water model with a novel roughness formulation. Environmental Earth Sciences, 2015, 74, 7371-7386.	2.7	21
20	Shallow water simulation of overland flows in idealised catchments. Environmental Earth Sciences, 2015, 74, 7307-7318.	2.7	29
21	A model for overland flow and associated processes within the Hydroinformatics Modelling System. Journal of Hydroinformatics, 2014, 16, 375-391.	2.4	66