Xie-kang Wang

List of Publications by Citations

37 papers	253 citations	9 h-index	14 g-index
43 ext. papers	326 ext. citations	3.2 avg, IF	3.55 L-index

#	Paper	IF	Citations
37	Seasonal variation of air pollution index: Hong Kong case study. *Chemosphere*, **2006**, 63, 1261-72	8.4	63
36	Effects of Bed Load Movement on Mean Flow Characteristics in Mobile Gravel Beds. *Water Resources Management*, **2011**, 25, 2781-2795	3.7	17
35	Experimental study on flow behavior at open channel confluences. *Frontiers of Architecture and Civil Engineering in China*, **2007**, 1, 211-216		17
34	Contribution of Excessive Supply of Solid Material to a Runoff-Generated Debris Flow during Its Routing Along a Gully and Its Impact on the Downstream Village with Blockage Effects. *Water (Switzerland)*, **2019**, 11, 169	3	14
33	The impact of human activities on the occurrence of mountain flood hazards: lessons from the 17 August 2015 flash flood/debris flow event in Xuyong County, south-western China. *Geomatics, Natural Hazards and Risk*, **2018**, 9, 816-840	3.6	14
32	Longitudinal variations of hydraulic characteristics of overland flow with different roughness. *Journal of Hydrodynamics*, **2014**, 26, 66-74	3.3	11
31	Experimental Study on Velocity Profiles with Different Roughness Elements in a Flume. *Acta Geophysica*, **2015**, 63, 1685-1705	2.2	10
30	Morphological environment survey and hydrodynamic modeling of a large bifurcation-confluence complex in Yangtze River, China. *Science of the Total Environment*, **2020**, 737, 139705	10.2	9
29	Experimental study on the influence of river flow confluences on the open channel stage–discharge relationship. *Hydrological Sciences Journal*, **2019**, 64, 2025-2039	3.5	8
28	Effects of roughness elements distribution on overland flow resistance. *Journal of Mountain Science*, **2015**, 12, 1145-1156	2.1	8
27	Experimental Study of the Effects of Roughness on the Flow Structure in a Gravel-Bed Channel Using Particle Image Velocimetry. *Journal of Hydrologic Engineering - ASCE*, **2011**, 16, 710-716	1.8	8
26	Flash Flood Early Warning Coupled with Hydrological Simulation and the Rising Rate of the Flood Stage in a Mountainous Small Watershed in Sichuan Province, China. *Water (Switzerland)*, **2020**, 12, 255	3	6
25	Debris flow entrainment rates in non-uniform channels with convex and concave slopes. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2018**, 56, 156-167	1.9	6
24	Impact of dissipation and dispersion terms on simulations of open-channel confluence flow using two-dimensional depth-averaged model. *Hydrological Processes*, **2014**, 28, 3230-3240	3.3	6
23	Effects of Turbulence Models on the Numerical Simulation of Flow in Open Channel Junction. *Mechanics of Advanced Materials and Structures*, **2011**, 18, 566-571	1.8	5
22	Experimental study of entrainment behavior of debris flow over channel inflexion points. *Journal of Mountain Science*, **2016**, 13, 971-984	2.1	4
21	A Comparative Study of Deep Learning and Conventional Neural Network for Evaluating Landslide Susceptibility Using Landslide Initiation Zones. *ICL Contribution To Landslide Disaster Risk Reduction*, **2021**, 215-223		4

20	2D numerical analysis of the influence of near-bank vegetation patches on the bed morphological adjustment. *Environmental Fluid Mechanics*, **2020**, 20, 707-738	2.2	4
19	Experimental investigation of flow structures and bed deformation with small width-to-depth ratio in a bend flume. *KSCE Journal of Civil Engineering*, **2016**, 20, 497-508	1.9	3
18	Applying the mixing layer analogy for flow resistance evaluation in gravel-bed streams. *Journal of Hydrology*, **2020**, 589, 125119	6	3
17	Experimental investigation of turbulent flows through a boulder array placed on a permeable bed. *Water Science and Technology: Water Supply*, **2020**, 20, 1281-1293	1.4	3
16	Effects of intertidal wetland vegetation and suspended sediment on flow velocity profiles and turbulence characteristics. *Estuarine, Coastal and Shelf Science*, **2014**, 146, 128-138	2.9	3
15	Dynamics of loose granular flow and its subsequent deposition in a narrow mountainous river. *Journal of Mountain Science*, **2019**, 16, 1367-1380	2.1	2
14	Experimental study of the flow structure of decelerating and accelerating flows under a gradually varying flume. *Journal of Hydrodynamics*, **2015**, 27, 340-349	3.3	2
13	The Effects of Rainfall, Soil Type and Slope on the Processes and Mechanisms of Rainfall-Induced Shallow Landslides. *Applied Sciences (Switzerland)*, **2021**, 11, 11652	2.6	2
12	Flow variability along a vegetated natural stream under various sediment transport rates. *Journal of Mountain Science*, **2018**, 15, 2347-2364	2.1	2
11	Dynamic mechanism of three-dimensional mixed-size grain/bed collision on non-flat bed using discrete element method. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	1
10	The properties of dilute debris flow and hyper-concentrated flow in different flow regimes in open channels. *Journal of Mountain Science*, **2017**, 14, 1728-1738	2.1	1
9	Nappe Flow Surges down a Rough-Stepped Sloping Channel. *Journal of Hydrologic Engineering - ASCE*, **2017**, 22, 04017044	1.8	1
8	Numerical analyses of the influence of baffles on the dynamics of debris flow in a gully. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	1
7	Numerical Investigation of a Flash Flood Process that Occurred in Zhongdu River, Sichuan, China. *Frontiers in Earth Science*, **2021**, 9,	3.5	1
6	Geomorphologic changes around a mid-river bar system at a meandering reach in the lower Yangtze River, China: Impacts of the three Gorges dam (TGD) and human activities. *Catena*, **2022**, 212, 106038	5.8	0
5	Analytical Model of Flow Velocity in Gravel-Bed Streams under the Effect of Gravel Array with Different Densities. *Journal of Hydrology*, **2022**, 127581	6	0
4	Volume Estimation of Landslide Affected Soil Moisture Using TRIGRS: A Case Study of Longxi River Small Watershed in Wenchuan Earthquake Zone, China. *Water (Switzerland)*, **2021**, 13, 71	3	0
3	Numerical Investigation on a Flash Flood Disaster in Streams with Confluence and Bifurcation. *Water (Switzerland)*, **2022**, 14, 1646	3	0

2	Effects of river width changes on flow characteristics based on flume experiment. *Journal of Mountain Science*, **2016**, 13, 361-368	2.1
1	Assessment of an Alternative Climate Product for Hydrological Modeling: A Case Study of the Danjiang River Basin, China. *Water (Switzerland)*, **2022**, 14, 1105	3