

Xie-kang Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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. <i>Catena</i> , 2022 , 212, 106038	5.8	0
36	Analytical Model of Flow Velocity in Gravel-Bed Streams under the Effect of Gravel Array with Different Densities. <i>Journal of Hydrology</i> , 2022 , 127581	6	0
35	Assessment of an Alternative Climate Product for Hydrological Modeling: A Case Study of the Danjiang River Basin, China. <i>Water (Switzerland)</i> , 2022 , 14, 1105	3	
34	Numerical Investigation on a Flash Flood Disaster in Streams with Confluence and Bifurcation. <i>Water (Switzerland)</i> , 2022 , 14, 1646	3	0
33	The Effects of Rainfall, Soil Type and Slope on the Processes and Mechanisms of Rainfall-Induced Shallow Landslides. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11652	2.6	2
32	Volume Estimation of Landslide Affected Soil Moisture Using TRIGRS: A Case Study of Longxi River Small Watershed in Wenchuan Earthquake Zone, China. <i>Water (Switzerland)</i> , 2021 , 13, 71	3	0
31	A Comparative Study of Deep Learning and Conventional Neural Network for Evaluating Landslide Susceptibility Using Landslide Initiation Zones. <i>ICL Contribution To Landslide Disaster Risk Reduction</i> , 2021 , 215-223		4
30	Numerical Investigation of a Flash Flood Process that Occurred in Zhongdu River, Sichuan, China. <i>Frontiers in Earth Science</i> , 2021 , 9,	3.5	1
29	Applying the mixing layer analogy for flow resistance evaluation in gravel-bed streams. <i>Journal of Hydrology</i> , 2020 , 589, 125119	6	3
28	Morphological environment survey and hydrodynamic modeling of a large bifurcation-confluence complex in Yangtze River, China. <i>Science of the Total Environment</i> , 2020 , 737, 139705	10.2	9
27	Experimental investigation of turbulent flows through a boulder array placed on a permeable bed. <i>Water Science and Technology: Water Supply</i> , 2020 , 20, 1281-1293	1.4	3
26	Dynamic mechanism of three-dimensional mixed-size grain/bed collision on non-flat bed using discrete element method. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	1
25	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. <i>Water (Switzerland)</i> , 2020 , 12, 255	3	6
24	2D numerical analysis of the influence of near-bank vegetation patches on the bed morphological adjustment. <i>Environmental Fluid Mechanics</i> , 2020 , 20, 707-738	2.2	4
23	Numerical analyses of the influence of baffles on the dynamics of debris flow in a gully. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	1
22	Experimental study on the influence of river flow confluences on the open channel stage-discharge relationship. <i>Hydrological Sciences Journal</i> , 2019 , 64, 2025-2039	3.5	8
21	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. <i>Water (Switzerland)</i> , 2019 , 11, 169	3	14

20	Dynamics of loose granular flow and its subsequent deposition in a narrow mountainous river. <i>Journal of Mountain Science</i> , 2019 , 16, 1367-1380	2.1	2
19	Debris flow entrainment rates in non-uniform channels with convex and concave slopes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2018 , 56, 156-167	1.9	6
18	Flow variability along a vegetated natural stream under various sediment transport rates. <i>Journal of Mountain Science</i> , 2018 , 15, 2347-2364	2.1	2
17	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. <i>Geomatics, Natural Hazards and Risk</i> , 2018 , 9, 816-840	3.6	14
16	The properties of dilute debris flow and hyper-concentrated flow in different flow regimes in open channels. <i>Journal of Mountain Science</i> , 2017 , 14, 1728-1738	2.1	1
15	Nappe Flow Surges down a Rough-Stepped Sloping Channel. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017 , 22, 04017044	1.8	1
14	Experimental investigation of flow structures and bed deformation with small width-to-depth ratio in a bend flume. <i>KSCE Journal of Civil Engineering</i> , 2016 , 20, 497-508	1.9	3
13	Experimental study of entrainment behavior of debris flow over channel inflexion points. <i>Journal of Mountain Science</i> , 2016 , 13, 971-984	2.1	4
12	Effects of river width changes on flow characteristics based on flume experiment. <i>Journal of Mountain Science</i> , 2016 , 13, 361-368	2.1	
11	Experimental study of the flow structure of decelerating and accelerating flows under a gradually varying flume. <i>Journal of Hydrodynamics</i> , 2015 , 27, 340-349	3.3	2
10	Effects of roughness elements distribution on overland flow resistance. <i>Journal of Mountain Science</i> , 2015 , 12, 1145-1156	2.1	8
9	Experimental Study on Velocity Profiles with Different Roughness Elements in a Flume. <i>Acta Geophysica</i> , 2015 , 63, 1685-1705	2.2	10
8	Longitudinal variations of hydraulic characteristics of overland flow with different roughness. <i>Journal of Hydrodynamics</i> , 2014 , 26, 66-74	3.3	11
7	Impact of dissipation and dispersion terms on simulations of open-channel confluence flow using two-dimensional depth-averaged model. <i>Hydrological Processes</i> , 2014 , 28, 3230-3240	3.3	6
6	Effects of intertidal wetland vegetation and suspended sediment on flow velocity profiles and turbulence characteristics. <i>Estuarine, Coastal and Shelf Science</i> , 2014 , 146, 128-138	2.9	3
5	Experimental Study of the Effects of Roughness on the Flow Structure in a Gravel-Bed Channel Using Particle Image Velocimetry. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011 , 16, 710-716	1.8	8
4	Effects of Bed Load Movement on Mean Flow Characteristics in Mobile Gravel Beds. <i>Water Resources Management</i> , 2011 , 25, 2781-2795	3.7	17
3	Effects of Turbulence Models on the Numerical Simulation of Flow in Open Channel Junction. <i>Mechanics of Advanced Materials and Structures</i> , 2011 , 18, 566-571	1.8	5

- 2 Experimental study on flow behavior at open channel confluences. *Frontiers of Architecture and Civil Engineering in China*, **2007**, 1, 211-216 17
- 1 Seasonal variation of air pollution index: Hong Kong case study. *Chemosphere*, **2006**, 63, 1261-72 8.4 63