Jian-gang Chen

List of Publications by Year in Descending Order

30 papers	299 citations	9 h-index	16 g-index
41 ext. papers	434 ext. citations	3.8 avg, IF	3.53 L-index

#	Paper	IF	Citations
30	Modeling Flood Peak Discharge Caused by Overtopping Failure of a Landslide Dam. *Water (Switzerland)*, **2021**, 13, 921	3	1
29	Impact failure models and application condition of trees in debris-flow hazard mitigation. *Journal of Mountain Science*, **2021**, 18, 1874-1885	2.1	0
28	Experimental study on debris-flow velocity control mechanism with baffles in a drainage channel. *Bulletin of Engineering Geology and the Environment*, **2021**, 80, 5203-5217	4	1
27	Study on the downcutting rate of a debris flow dam based on grain-size distribution. *Geomorphology*, **2021**, 391, 107891	4.3	1
26	Magnitude amplification of flash floods caused by large woody in Keze gully in Jiuzhaigou National Park, China. *Geomatics, Natural Hazards and Risk*, **2021**, 12, 2277-2299	3.6	0
25	Characteristics of a Debris Flow Disaster and Its Mitigation Countermeasures in Zechawa Gully, Jiuzhaigou Valley, China. *Water (Switzerland)*, **2020**, 12, 1256	3	9
24	Role of baffle shape on debris flow impact in step-pool channel: an SPH study. *Landslides*, **2020**, 17, 2099-2111	6.6	12
23	Laboratory study on the characteristics of large wood and debris flow processes at slit-check dams. *Landslides*, **2020**, 17, 1703-1711	6.6	4
22	Case study on debris-flow hazard mitigation at a world natural heritage site, Jiuzhaigou Valley, Western China. *Geomatics, Natural Hazards and Risk*, **2020**, 11, 1782-1804	3.6	7
21	Closure to "Characteristics of a Debris-Flow Drainage Channel with a Step-Pool Configuration" by Xiaoqing Chen, Jiangang Chen, Wanyu Zhao, Yun Li, and Yong You. *Journal of Hydraulic Engineering*, **2019**, 145, 07019006	1.8	
20	Regulation effectiveness of a window-check dam on debris flows. *Engineering Geology*, **2019**, 253, 205-213	6.3	5
19	Assessment of landslide susceptibility along the Araniko Highway in Poiqu/Bhote Koshi/Sun Koshi Watershed, Nepal Himalaya. *Progress in Disaster Science*, **2019**, 3, 100037	7.8	12
18	The influence of temporal and spatial variations on phase separation in debris flow deposition. *Landslides*, **2019**, 16, 497-514	6.6	8
17	Cavity length downstream of a sudden fall-expansion aerator in chute. *Water Science and Technology: Water Supply*, **2018**, 18, 2053-2062	1.4	1
16	Debris Flow Drainage Channel with Energy Dissipation Structures: Experimental Study and Engineering Application. *Journal of Hydraulic Engineering*, **2018**, 144, 06018012	1.8	10
15	Application of incomplete similarity theory to the estimation of the mean velocity of debris flows. *Landslides*, **2018**, 15, 2083-2091	6.6	1
14	Experimental study of viscous debris flow characteristics in drainage channel with oblique symmetrical sills. *Engineering Geology*, **2018**, 233, 55-62	6	9

13	Assessment of prospective hazards resulting from the 2017 earthquake at the world heritage site Jiuzhaigou Valley, Sichuan, China. *Journal of Mountain Science*, **2018**, 15, 779-792	2.1	34
12	Three-Dimensional Aerators: Characteristics of the Air Bubbles. *Water (Switzerland)*, **2018**, 10, 1430	3	
11	Experimental study on the characteristics of a debris-flow drainage channel with an energy dissipation structure. *Bulletin of Engineering Geology and the Environment*, **2017**, 76, 341-351	4	7
10	Experimental study on a debris-flow drainage channel with different types of energy dissipation baffles. *Engineering Geology*, **2017**, 220, 43-51	6	29
9	Experimental study on the energy dissipation characteristics of debris flow deceleration baffles. *Journal of Mountain Science*, **2017**, 14, 1951-1960	2.1	7
8	Characteristics of a Debris-Flow Drainage Channel with a Step-Pool Configuration. *Journal of Hydraulic Engineering*, **2017**, 143, 04017038	1.8	5
7	Characteristics of viscous debris flow in a drainage channel with an energy dissipation structure. *Journal of Mountain Science*, **2016**, 13, 223-233	2.1	8
6	Effects of spillway types on debris flow trajectory and scour behind a sabo dam. *Journal of Mountain Science*, **2016**, 13, 203-212	2.1	2
5	An experimental study of dilute debris flow characteristics in a drainage channel with an energy dissipation structure. *Engineering Geology*, **2015**, 193, 224-230	6	18
4	Engineering measures for debris flow hazard mitigation in the Wenchuan earthquake area. *Engineering Geology*, **2015**, 194, 73-85	6	76
3	Characteristics of a drainage channel with staggered indented sills for controlling debris flows. *Journal of Mountain Science*, **2014**, 11, 1242-1252	2.1	7
2	Types and causes of debris flow damage to drainage channels in the Wenchuan earthquake area. *Journal of Mountain Science*, **2014**, 11, 1406-1419	2.1	12
1	Experimental study on time-averaged pressures in stepped spillway. *Journal of Hydraulic Research/De Recherches Hydrauliques*, **2012**, 50, 236-240	1.9	13