

Dong Chen

List of Publications by Year in descending order

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papers

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citations

840119

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all docs

27
docs citations

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times ranked

338
citing authors

#	ARTICLE	IF	CITATIONS
1	The Influence of Riparian Vegetation on the Sinuosity and Lateral Stability of Meandering Channels. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	9
2	Analyzing and modeling sub-diffusive transport of bedload along a heterogeneous gravel bed using stochastic and statistical methods. <i>Journal of Hydrology</i> , 2021, 596, 125697.	2.3	11
3	Laboratory study on the evolution of gravel-bed surfaces in bed armoring processes. <i>Journal of Hydrology</i> , 2021, 597, 125751.	2.3	2
4	Experiments on Longitudinal and Transverse Bedload Transport in Sine-Generated Meandering Channels. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6560.	1.3	0
5	Effect of fractal particle size distribution on the mobility of dry granular flows. <i>AIP Advances</i> , 2021, 11, .	0.6	8
6	Spatial and Temporal Distribution of Geologic Hazards in Shaanxi Province. <i>Remote Sensing</i> , 2021, 13, 4259.	1.8	6
7	A fractal derivative model to quantify bed-load transport along a heterogeneous sand bed. <i>Environmental Fluid Mechanics</i> , 2020, 20, 1603-1616.	0.7	6
8	The influence of ship wave on turbulent structures and sediment exchange in large shallow Lake Taihu, China. <i>Journal of Hydrology</i> , 2020, 586, 124853.	2.3	8
9	Modeling Bedload Transport Trajectories along a Sine-Generated Channel. <i>Water Resources</i> , 2019, 46, 542-552.	0.3	2
10	Continuous time random walk model for non-uniform bed-load transport with heavy-tailed hop distances and waiting times. <i>Journal of Hydrology</i> , 2019, 578, 124057.	2.3	8
11	Flow directionality of pristine meandering rivers is embedded in the skewing of high-amplitude bends and neck cutoffs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23448-23454.	3.3	22
12	Statistical Analysis of Bed Load Transport over an Armored Bed Layer with Cluster Microforms. <i>Water (Switzerland)</i> , 2019, 11, 2082.	1.2	1
13	Evaluating spatial variation of suspended sediment rating curves in the middle <sc>Yellow River</sc> basin, <sc>China</sc>. <i>Hydrological Processes</i> , 2018, 32, 1616-1624.	1.1	16
14	Evaluating Regime Change of Sediment Transport in the Jingjiang River Reach, Yangtze River, China. <i>Water (Switzerland)</i> , 2018, 10, 329.	1.2	9
15	Turbulent bursting and sediment resuspension in hyper-eutrophic Lake Taihu, China. <i>Journal of Hydrology</i> , 2018, 565, 581-588.	2.3	29
16	Vertical Distribution of Suspended Sediment under Steady Flow: Existing Theories and Fractional Derivative Model. <i>Discrete Dynamics in Nature and Society</i> , 2017, 2017, 1-11.	0.5	13
17	Hydrological Response of East China to the Variation of East Asian Summer Monsoon. <i>Advances in Meteorology</i> , 2016, 2016, 1-12.	0.6	3
18	Modeling Flow Pattern and Evolution of Meandering Channels with a Nonlinear Model. <i>Water (Switzerland)</i> , 2016, 8, 418.	1.2	15

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19	Sediment Suspension in the "Starving" Jingjiang Reach, Downstream from the Three Gorges Dam, China. , 2016, , .		0
20	Influence of bed clusters and size gradation on operational time distribution for non-uniform bed-load transport. Hydrological Processes, 2016, 30, 3030-3045.	1.1	8
21	Understanding partial bed-load transport: Experiments and stochastic model analysis. Journal of Hydrology, 2015, 521, 196-204.	2.3	42
22	Is the PDO or AMO the climate driver of soil moisture in the Salmon River Basin, Idaho?. Global and Planetary Change, 2014, 120, 16-23.	1.6	15
23	A subordinated advection model for uniform bed load transport from local to regional scales. Journal of Geophysical Research F: Earth Surface, 2014, 119, 2711-2729.	1.0	27
24	Fractional dispersion equation for sediment suspension. Journal of Hydrology, 2013, 491, 13-22.	2.3	45
25	Evaluating secondary flows in the evolution of sine-generated meanders. Geomorphology, 2012, 163-164, 37-44.	1.1	22
26	Relationships between oceanic-atmospheric patterns and soil moisture in the Upper Colorado River Basin. Journal of Hydrology, 2011, 411, 77-90.	2.3	9
27	Case Study: Two-Dimensional Model Simulation of Channel Migration Processes in West Jordan River, Utah. Journal of Hydraulic Engineering, 2008, 134, 315-327.	0.7	31