

Dong Chen

List of Publications by Year in descending order

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27
papers

367
citations

840119

11
h-index

794141

19
g-index

27
all docs

27
docs citations

27
times ranked

338
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractional dispersion equation for sediment suspension. <i>Journal of Hydrology</i> , 2013, 491, 13-22.	2.3	45
2	Understanding partial bed-load transport: Experiments and stochastic model analysis. <i>Journal of Hydrology</i> , 2015, 521, 196-204.	2.3	42
3	Case Study: Two-Dimensional Model Simulation of Channel Migration Processes in West Jordan River, Utah. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 315-327.	0.7	31
4	Turbulent bursting and sediment resuspension in hyper-eutrophic Lake Taihu, China. <i>Journal of Hydrology</i> , 2018, 565, 581-588.	2.3	29
5	A subordinated advection model for uniform bed load transport from local to regional scales. <i>Journal of Geophysical Research F: Earth Surface</i> , 2014, 119, 2711-2729.	1.0	27
6	Evaluating secondary flows in the evolution of sine-generated meanders. <i>Geomorphology</i> , 2012, 163-164, 37-44.	1.1	22
7	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
8	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
9	Is the PDO or AMO the climate driver of soil moisture in the Salmon River Basin, Idaho?. <i>Global and Planetary Change</i> , 2014, 120, 16-23.	1.6	15
10	Modeling Flow Pattern and Evolution of Meandering Channels with a Nonlinear Model. <i>Water (Switzerland)</i> , 2016, 8, 418.	1.2	15
11	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
12	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
13	Relationships between oceanic—atmospheric patterns and soil moisture in the Upper Colorado River Basin. <i>Journal of Hydrology</i> , 2011, 411, 77-90.	2.3	9
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	The Influence of Riparian Vegetation on the Sinuosity and Lateral Stability of Meandering Channels. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	9
16	Influence of bed clusters and size gradation on operational time distribution for non—uniform bed—load transport. <i>Hydrological Processes</i> , 2016, 30, 3030-3045.	1.1	8
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Effect of fractal particle size distribution on the mobility of dry granular flows. AIP Advances, 2021, 11, .	0.6	8
20	A fractal derivative model to quantify bed-load transport along a heterogeneous sand bed. Environmental Fluid Mechanics, 2020, 20, 1603-1616.	0.7	6
21	Spatial and Temporal Distribution of Geologic Hazards in Shaanxi Province. Remote Sensing, 2021, 13, 4259.	1.8	6
22	Hydrological Response of East China to the Variation of East Asian Summer Monsoon. Advances in Meteorology, 2016, 2016, 1-12.	0.6	3
23	Modeling Bedload Transport Trajectories along a Sine-Generated Channel. Water Resources, 2019, 46, 542-552.	0.3	2
24	Laboratory study on the evolution of gravel-bed surfaces in bed armoring processes. Journal of Hydrology, 2021, 597, 125751.	2.3	2
25	Statistical Analysis of Bed Load Transport over an Armored Bed Layer with Cluster Microforms. Water (Switzerland), 2019, 11, 2082.	1.2	1
26	Sediment Suspension in the "Starving" Jingjiang Reach, Downstream from the Three Gorges Dam, China. , 2016, , .		0
27	Experiments on Longitudinal and Transverse Bedload Transport in Sine-Generated Meandering Channels. Applied Sciences (Switzerland), 2021, 11, 6560.	1.3	0