Guo-An Yu

List of Publications by Year
in descending order

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39 papers	903 citations	471477 17 h-index	477281 29 g-index
41 all docs	41 docs citations	41 times ranked	825 citing authors

#	Article	IF	Citations
1	Sediment pollution and its effect on fish through food chain in the Yangtze River. International Journal of Sediment Research, 2008, 23, 338-347.	3.5	172
2	Ecological and Hydraulic Studies of Step-Pool Systems. Journal of Hydraulic Engineering, 2009, 135, 705-717.	1.5	65
3	An environmental gradient of vegetative controls upon channel planform in the source region of the Yangtze and Yellow Rivers. Catena, 2014, 119, 143-153.	5.0	48
4	Migration and cutoff of meanders in the hyperarid environment of the middle Tarim River, northwestern China. Geomorphology, 2017, 276, 116-124.	2.6	38
5	Stability of landslide dams and development of knickpoints. Environmental Earth Sciences, 2012, 65, 1067-1080.	2.7	37
6	Estimation of the Qinghai-Tibetan Plateau runoff and its contribution to large Asian rivers. Science of the Total Environment, 2020, 749, 141570.	8.0	37
7	Effect of incoming sediment on the transport rate of bed load in mountain streams. International Journal of Sediment Research, 2009, 24, 260-273.	3.5	35
8	River network evolution and fluvial process responses to human activity in a hyper-arid environment â€“ Case of the Tarim River in Northwest China. Catena, 2016, 147, 96-109.	5.0	35
9	Restoration of an incised mountain stream using artificial step-pool system. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 178-187.	1.7	34
10	Agricultural water allocation strategies along the oasis of Tarim River in Northwest China. Agricultural Water Management, 2017, 187, 24-36.	5.6	33
11	Large-Scale Hydrological Modeling and Decision-Making for Agricultural Water Consumption and Allocation in the Main Stem Tarim River, China. Water (Switzerland), 2015, 7, 2821-2839.	2.7	32
12	Geodiversity in the Yellow River source zone. Journal of Chinese Geography, 2013, 23, 775-792.	3.9	27
13	A broad overview of landscape diversity of the Yellow River source zone. Journal of Chinese Geography, 2013, 23, 793-816.	3.9	27
14	An exploratory analysis of benthic macroinvertebrates as indicators of the ecological status of the Upper Yellow and Yangtze Rivers. Journal of Chinese Geography, 2013, 23, 871-882.	3.9	27
15	Effects of riparian plant roots on the unconsolidated bank stability of meandering channels in the Tarim River, China. Geomorphology, 2020, 351, 106958.	2.6	27
16	Analysis of controls upon channel planform at the First Great Bend of the Upper Yellow River, Qinghai-Tibet Plateau. Journal of Chinese Geography, 2013, 23, 833-848.	3.9	18
17	Fluvial diversity in relation to valley setting in the source region of the Yangtze and Yellow Rivers. Journal of Chinese Geography, 2013, 23, 817-832.	3.9	17
18	Water Quality of the Mun River in Thailandâ€”Spatiotemporal Variations and Potential Causes. International Journal of Environmental Research and Public Health, 2019, 16, 3906.	2.6	17

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19	Debris flows originating in the mountain cryosphere under a changing climate: A review. Progress in Physical Geography, 2021, 45, 339-374.	3.2	16
20	Vegetative impacts upon bedload transport capacity and channel stability for differing alluvial planforms in the Yellow River source zone. Hydrology and Earth System Sciences, 2016, 20, 3013-3025.	4.9	15
21	Mass flows and river response in rapid uplifting regions â€“ A case of lower Yarlung Tsangpo basin, southeast Tibet, China. International Journal of Sediment Research, 2020, 35, 609-620.	3.5	14
22	Gender of large river deltas and parasitizing rivers. International Journal of Sediment Research, 2012, 27, 18-36.	3.5	13
23	The assemblage characteristics of benthic macroinvertebrates in the Yalutsangpo River, the highest major river in the world. Frontiers of Earth Science, 2014, 8, 351-361.	2.1	13
24	Reevaluation of the aeolian sand flux from the Ulan Buh Desert into the upper Yellow River based on in situ monitoring. Geomorphology, 2019, 327, 307-318.	2.6	13
25	Sediment storage and morphology of the Yalu Tsangpo valley due to uneven uplift of the Himalaya. Science China Earth Sciences, 2015, 58, 1440-1445.	5.2	11
26	Trends of Runoff Variation and Effects of Main Causal Factors in Mun River, Thailand During 1980â€“2018. Water (Switzerland), 2020, 12, 831.	2.7	11
27	Assessing the river habitat suitability and effects of introduction of exotic fish species based on anecohydraulic model system. Ecological Informatics, 2018, 45, 59-69.	5.2	9
28	Quantifying the Effects of Dramatic Changes in Runoff and Sediment on the Channel Morphology of a Large, Wandering River Using Remote Sensing Images. Water (Switzerland), 2018, 10, 1767.	2.7	9
29	Bed load transport under different streambed conditions â€“ a field experimental study in a mountain stream. International Journal of Sediment Research, 2012, 27, 426-438.	3.5	8
30	Responses of streamflow and sediment load to climate change and human activity in the Upper Yellow River, China: a case of the Ten Great Gullies Basin. Water Science and Technology, 2015, 71, 1893-1900.	2.5	8
31	Sediment dynamics of an allogenic river channel in a very arid environment. Hydrological Processes, 2017, 31, 2050-2061.	2.6	8
32	Geomorphic Diversity of Rivers in the Upper Yellow River Basin. Springer Geography, 2016, , 59-77.	0.4	6
33	Evolution of sandstone peakâ€forest landscapes â€“ insights from quantifying erosional processes with cosmogenic nuclides. Earth Surface Processes and Landforms, 2018, 43, 639-653.	2.5	6
34	Problem identification on surface water quality in the Mun River Basin, Thailand. Sustainable Water Resources Management, 2020, 6, 1.	2.1	6
35	Naming conventions in geomorphology: contributions and controversies in the sandstone landscape of Zhangjiajie Geopark, China. Earth Surface Processes and Landforms, 2011, 36, 1981-1984.	2.5	5
36	Channelâ€Form Adjustment of an Alluvial River Under Hydrodynamic and Ecoâ€Geomorphologic Controls: Insights From Applying Equilibrium Theory Governing Alluvial Channel Flow. Water Resources Research, 2021, 57, e2020WR029174.	4.2	3

#	Article	IF	Citations
37	Dam Operation for Mitigating Ice Jam Flooding Risks under the Adjustment of River Channel-Forms: Implications from an Evaluation in the Ningxia-Inner Mongolia Reach of the Upper Yellow River, China. Water (Switzerland), 2019, 11, 1136.	2.7	2
38	River Channel Forms in Relation to Bank Steepness: A Theoretical Investigation Using a Variational Analytical Method. Water (Switzerland), 2020, 12, 1250.	2.7	1
39	Effect of riparian vegetation roots on development of meander bends in Tarim River, Northwest China. E3S Web of Conferences, 2018, 40, 02029.	0.5	0