Fu-Chun Wu

List of Publications by Year
in descending order

31	981	471509 17	454955 30
papers	citations	h-index	g-index

31	31	31	789
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Twoâ€Stage Transition From Gilbert to Hyperpycnal Delta in Reservoir. Geophysical Research Letters, 2021, 48, e2021GL093661.	4.0	0
2	FKgrain: A topography-based software tool for grain segmentation and sizing using factorial kriging. Earth Science Informatics, 2021, 14, 2411-2421.	3.2	3
3	Hyporheic Exchange Under Undular Flows Over a Coarse Granular Bed. Geophysical Research Letters, 2020, 47, e2020GL089114.	4.0	5
4	Selfâ€Similar Morphodynamics of Gilbert and Hyperpycnal Deltas Over Segmented Twoâ€Slope Bedrock Channels. Water Resources Research, 2019, 55, 3689-3707.	4.2	1
5	Delineation of gravel-bed clusters via factorial kriging. Geomorphology, 2018, 308, 161-174.	2.6	14
6	A heuristic probabilistic approach to estimating size-dependent mobility of nonuniform sediment. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1771-1782.	4.0	2
7	Asymmetric Effects of Subaerial and Subaqueous Basement Slopes on Selfâ€Similar Morphology of Prograding Deltas. Journal of Geophysical Research F: Earth Surface, 2017, 122, 2506-2526.	2.8	11
8	Anisotropy Characteristics of Exposed Gravel Beds Revealed in High-Point-Density Airborne Laser Scanning Data. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1044-1048.	3.1	2
9	Assessment of flow regime alterations over a spectrum of temporal scales using waveletâ€based approaches. Water Resources Research, 2015, 51, 3317-3338.	4.2	14
10	Optimizing environmental flows for multiple reaches affected by a multipurpose reservoir system in Taiwan: Restoring natural flow regimes at multiple temporal scales. Water Resources Research, 2013, 49, 565-584.	4.2	44
11	Entrainment of sediment particles by retrograde vortices: Test of hypothesis using nearâ€particle observations. Journal of Geophysical Research, 2012, 117, .	3.3	16
12	Quantifying the forcing effect of channel width variations on free bars: Morphodynamic modeling based on characteristic dissipative Galerkin scheme. Journal of Geophysical Research, 2011, 116, .	3.3	18
13	Mesoscale Terrestrial Laser Scanning of Fluvial Gravel Surfaces. IEEE Geoscience and Remote Sensing Letters, 2011, 8, 1075-1079.	3.1	13
14	A dual activeâ€restrictive approach to incorporating environmental flow targets into existing reservoir operation rules. Water Resources Research, 2010, 46, .	4.2	20
15	Regionalization of natural flow regime: application to environmental flow optimization at ungauged sites. River Research and Applications, 2009, 25, 1071-1089.	1.7	15
16	Bayesian Updating of Parameters for a Sediment Entrainment Model via Markov Chain Monte Carlo. Journal of Hydraulic Engineering, 2009, 135, 22-37.	1.5	17
17	A Histogram Matching Approach for assessment of flow regime alteration: application to environmental flow optimization. River Research and Applications, 2008, 24, 914-928.	1.7	77
18	Numerical Investigation of the Role of Turbulent Bursting in Sediment Entrainment. Journal of Hydraulic Engineering, 2007, 133, 329-334.	1.5	39

#	Article	IF	Citations
19	Pareto-optimal solutions for environmental flow schemes incorporating the intra-annual and interannual variability of the natural flow regime. Water Resources Research, 2007, 43, .	4.2	88
20	A dynamic corridor-searching algorithm to seek time-varying instream flow releases for optimal weir operation: comparing three indices of overall hydrologic alteration. River Research and Applications, 2007, 23, 35-53.	1.7	23
21	COMPROMISE PROGRAMMING METHODOLOGY FOR DETERMINING INSTREAM FLOW UNDER MULTIOBJECTIVE WATER ALLOCATION CRITERIA. Journal of the American Water Resources Association, 2006, 42, 1179-1191.	2.4	66
22	Forced bars induced by variations of channel width: Implications for incipient bifurcation. Journal of Geophysical Research, 2005, 110, .	3.3	26
23	Assessment of hydrologic alterations caused by Chi-Chi diversion weir in Chou-Shui Creek, Taiwan: opportunities for restoring natural flow conditions. River Research and Applications, 2004, 20, 401-412.	1.7	81
24	Tradeoffs associated with sediment-maintenance flushing flows: a simulation approach to exploring non-inferior options. River Research and Applications, 2004, 20, 591-604.	1.7	26
25	A stochastic partial transport model for mixed-size sediment: Application to assessment of fractional mobility. Water Resources Research, 2004, 40, .	4.2	35
26	Feasible Diversion and Instream Flow Release Using Range of Variability Approach. Journal of Water Resources Planning and Management - ASCE, 2004, 130, 395-404.	2.6	62
27	Simulation of gravel-sand bed response to flushing flows using a two-fraction entrainment approach: Model development and flume experiment. Water Resources Research, 2003, 39, .	4.2	23
28	Rolling and Lifting Probabilities for Sediment Entrainment. Journal of Hydraulic Engineering, 2003, 129, 110-119.	1.5	125
29	Pickup Probability of Sediment under Log-Normal Velocity Distribution. Journal of Hydraulic Engineering, 2002, 128, 438-442.	1.5	49
30	Effect of flow-related substrate alteration on physical habitat: a case study of the endemic river loachSinogastromyzon puliensis (Cypriniformes, Homalopteridae) downstream of Chi-Chi Diversion Weir, Chou-Shui Creek, Taiwan. River Research and Applications, 2002, 18, 155-169.	1.7	14
31	Modeling embryo survival affected by sediment deposition into salmonid spawning gravels: Application to flushing flow prescriptions. Water Resources Research, 2000, 36, 1595-1603.	4.2	52