Larry Weber

List of Publications by Year
in descending order

		687363	888059
20 papers	603 citations	13 h-index	17 g-index
20 all docs	20 docs citations	20 times ranked	498 citing authors

#	Article	IF	Citations
1	Numerical simulations of lock-exchange compositional gravity current. Journal of Fluid Mechanics, 2009, 635, 361-388.	3.4	103
2	Flow and bathymetry in sharp open‐channel bends: Experiments and predictions. Water Resources Research, 2008, 44, .	4.2	99
3	A multiphase model for the hydrodynamics and total dissolved gas in tailraces. International Journal of Multiphase Flow, 2009, 35, 1036-1050.	3.4	62
4	A numerical investigation of coherent structures and mass exchange processes in channel flow with two lateral submerged groynes. Water Resources Research, 2007, 43, .	4.2	53
5	A multidimensional two-phase flow model for the total dissolved gas downstream of spillways. Journal of Hydraulic Research/De Recherches Hydrauliques, 2007, 45, 165-177.	1.7	51
6	A 3D non-hydrostatic model to predict flow and sediment transport in loose-bed channel bends. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 356-372.	1.7	47
7	A numerical study of intrusive compositional gravity currents. Physics of Fluids, 2007, 19, .	4.0	32
8	Modeling total dissolved gas production and transport downstream of spillways: Three‐dimensional development and applications. International Journal of River Basin Management, 2004, 2, 157-167.	2.7	30
9	Spillway jet regime and total dissolved gas prediction with a multiphase flow model. Journal of Hydraulic Research/De Recherches Hydrauliques, 2019, 57, 26-38.	1.7	28
10	Analysis of movements and behavior of smolts swimming in hydropower reservoirs. Ecological Modelling, 2015, 312, 292-307.	2.5	23
11	Validation of a three-dimensional numerical model for water-pump intakes. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 282-292.	1.7	19
12	Investigating Hydrologic Connectivity of a Drained Prairie Pothole Region Wetland Complex using a Fully Integrated, Physically-Based Model. Wetlands, 2018, 38, 233-245.	1.5	18
13	Numerical simulation of free surface flows on a fish bypass. Computers and Fluids, 2009, 38, 997-1002.	2.5	15
14	Study of the Free Surface Flow on an Ogee-Crested Fish Bypass. Journal of Hydraulic Engineering, 2008, 134, 1172-1175.	1.5	13
15	Inverse Modeling of Soil Hydraulic Properties in a Two‐Layer System and Comparisons with Measured Soil Conditions. Vadose Zone Journal, 2017, 16, 1-14.	2.2	5
16	Hydrodynamic Investigation of Upper Mississippi River Freshwater Mussel Habitats. , 2005, , 1.		2
17	Evaluating the Timing and Interdependence of Hydrologic Processes at the Watershed Scale Based on Continuously Monitored Data. Water (Switzerland), 2018, 10, 261.	2.7	2
18	Validation of a three-dimensional numerical model for water-pump intakes / Validation d'un modÃ¨le numÃ©rique tridimensionnel pour les aspirateurs de pompes. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 282-292.	1.7	1

#	Article	IF	Citations
19	Validation of a 3D RANS Model to Predict Flow and Stratification Effects in River-Dam Forebays. , 2005, , 1.		0
20	A Multidimensional Anisotropic Two-Phase Flow Model to Predict Total Dissolved Gas in Wanapum Dam. , 2008, , .		0