

# Larry Weber

## List of Publications by Year in descending order

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20  
papers

603  
citations

687363

13  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

498  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Analysis of movements and behavior of smolts swimming in hydropower reservoirs. Ecological Modelling, 2015, 312, 292-307.	2.5	23
6	Numerical simulations of lock-exchange compositional gravity current. Journal of Fluid Mechanics, 2009, 635, 361-388.	3.4	103
7	A multiphase model for the hydrodynamics and total dissolved gas in tailraces. International Journal of Multiphase Flow, 2009, 35, 1036-1050.	3.4	62
8	Numerical simulation of free surface flows on a fish bypass. Computers and Fluids, 2009, 38, 997-1002.	2.5	15
9	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
10	Study of the Free Surface Flow on an Ogee-Crested Fish Bypass. Journal of Hydraulic Engineering, 2008, 134, 1172-1175.	1.5	13
11	Flow and bathymetry in sharp open-channel bends: Experiments and predictions. Water Resources Research, 2008, 44, .	4.2	99
12	A Multidimensional Anisotropic Two-Phase Flow Model to Predict Total Dissolved Gas in Wanapum Dam. , 2008, , .		0
13	A numerical study of intrusive compositional gravity currents. Physics of Fluids, 2007, 19, .	4.0	32
14	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
15	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
16	Hydrodynamic Investigation of Upper Mississippi River Freshwater Mussel Habitats. , 2005, , 1.		2
17	Validation of a 3D RANS Model to Predict Flow and Stratification Effects in River-Dam Forebays. , 2005, , 1.		0
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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