Wencong Lai

List of Publications by Year
in descending order

11 papers	204 citations	1162367 8 h-index	1372195 10 g-index
11 all docs	11 docs citations	11 times ranked	230 citing authors

#	Article	IF	Citations
1	A new general 1‑D vadose zone flow solution method. Water Resources Research, 2015, 51, 4282-4300.	1.7	37
2	A mass-conservative finite volume predictor–corrector solution of the 1D Richards' equation. Journal of Hydrology, 2015, 523, 119-127.	2.3	33
3	An efficient and guaranteed stable numerical method for continuous modeling of infiltration and redistribution with a shallow dynamic water table. Water Resources Research, 2015, 51, 1514-1528.	1.7	24
4	Modeling Shallow Water Flows Using the Discontinuous Galerkin Method. , 0, , .		23
5	Modeling Dam-Break Flood Over Natural Rivers Using Discontinuous Galerkin Method. Journal of Hydrodynamics, 2012, 24, 467-478.	1.3	19
6	The soil moisture velocity equation. Journal of Advances in Modeling Earth Systems, 2017, 9, 1473-1487.	1.3	17
7	Numerical solution of the Saint-Venant equations by an efficient hybrid finite-volume/finite-difference method. Journal of Hydrodynamics, 2018, 30, 189-202.	1.3	16
8	Validation of finite water‑content vadose zone dynamics method using column experiments with a moving water table and applied surface flux. Water Resources Research, 2015, 51, 3108-3125.	1.7	14
9	A Parallel Two-Dimensional Discontinuous Galerkin Method for Shallow-Water Flows Using High-Resolution Unstructured Meshes. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	12
10	Time stepping in discontinuous Galerkin method. Journal of Hydrodynamics, 2013, 25, 321-329.	1.3	5
11	An explicit approach to capture diffusive effects in finite water-content method for solving vadose zone flow. Journal of Hydrology, 2016, 535, 270-281.	2.3	4