Ching-Sheng Huang

List of Publications by Year
in descending order

24 papers	303 citations	1040056 9 h-index	888059 17 g-index
24 all docs	24 docs citations	24 times ranked	261 citing authors

#	ARTICLE	IF	CITATIONS
1	An improved approach for water quality evaluation: TOPSIS-based informative weighting and ranking (TIWR) approach. Ecological Indicators, 2018, 89, 356-364.	6.3	54
2	Review of analytical models to stream depletion induced by pumping: Guide to model selection. Journal of Hydrology, 2018, 561, 277-285.	5.4	39
3	A general analytical solution for flow to a single horizontal well by Fourier and Laplace transforms. Advances in Water Resources, 2011, 34, 640-648.	3.8	34
4	An analytical solution for a radial collector well near a stream with a low-permeability streambed. Journal of Hydrology, 2012, 446-447, 48-58.	5.4	19
5	A general analytical solution for groundwater fluctuations due to dual tide in long but narrow islands. Water Resources Research, 2012, 48, .	4.2	18
6	Stream filtration induced by pumping in a confined, unconfined or leaky aquifer bounded by two parallel streams or by a stream and an impervious stratum. Journal of Hydrology, 2014, 513, 28-44.	5.4	16
7	An analytical approach for the simulation of flow in a heterogeneous confined aquifer with a parameter zonation structure. Water Resources Research, 2016, 52, 9201-9212.	4.2	14
8	Evaluating the area and position accuracy of surface water paths obtained by flow direction algorithms. Journal of Hydrology, 2020, 583, 124619.	5.4	14
9	Estimating stream filtration from a meandering stream under the <scp>R</scp>obin condition. Water Resources Research, 2015, 51, 4848-4857.	4.2	12
10	Analysis of three-dimensional unsaturated–saturated flow induced by localized recharge in unconfined aquifers. Hydrology and Earth System Sciences, 2018, 22, 3951-3963.	4.9	9
11	Assessing the Impacts of Climate Change and Land Use/Cover Change on Runoff Based on Improved Budyko Framework Models Considering Arbitrary Partition of the Impacts. Water (Switzerland), 2020, 12, 1612.	2.7	9
12	Approximate Solution for a Transient Hydraulic Head Distribution Induced by a Constant-Head Test at a Partially Penetrating Well in a Two-Zone Confined Aquifer. Journal of Hydraulic Engineering, 2014, 140, 04014030.	1.5	8
13	Analysis of radially convergent tracer test in a two-zone confined aquifer with vertical dispersion effect: Asymmetrical and symmetrical transports. Journal of Hazardous Materials, 2019, 377, 8-16.	12.4	8
14	Analysis of Unconfined Flow Induced by Constant Rate Pumping Based on the Lagging Theory. Water Resources Research, 2019, 55, 3925-3940.	4.2	7
15	Groundwater flow to a pumping well in a sloping fault zone unconfined aquifer. Water Resources Research, 2014, 50, 4079-4094.	4.2	6
16	Technical Note: Three-dimensional transient groundwater flow due to localized recharge with an arbitrary transient rate in unconfined aquifers. Hydrology and Earth System Sciences, 2016, 20, 1225-1239.	4.9	6
17	A general analytical model for head response to oscillatory pumping in unconfined aquifers: effects of delayed gravity drainage and initial condition. Hydrology and Earth System Sciences, 2019, 23, 1323-1337.	4.9	6
18	Rainfall–Runoff Processes and Modelling in Regions Characterized by Deficiency in Soil Water Storage. Water (Switzerland), 2019, 11, 1858.	2.7	6

#	Article	IF	Citations
19	New Analytical Models for Flow Induced by Pumping in a Stream–Aquifer System: A New Robin Boundary Condition Reflecting Joint Effect of Streambed Width and Storage. Water Resources Research, 2020, 56, e2019WR026352.	4.2	5
20	A new uncertainty estimation approach with multiple datasets and implementation for various precipitation products. Hydrology and Earth System Sciences, 2020, 24, 2061-2081.	4.9	4
21	A New Approach to Three–Dimensional Flow in a Pumped Confined Aquifer Connected to a Shallow Stream: Near–Stream and Far–From–Stream Groundwater Extractions. Water Resources Research, 2021, 57, e2020WR028780.	4.2	4
22	Transient analysis for fluid injection into a dome reservoir. Advances in Water Resources, 2011, 34, 1553-1562.	3.8	3
23	Impact of fractional probability distributions on statistics of hydraulic conductivity, dynamics of groundwater flow and solute transport at a low–permeability site. Hydrological Processes, 2020, 34, 4112-4127.	2.6	2
24	Discussion of "Integral and Closed-Form Analytical Solutions to the Transport Contaminant Equation Considering 3D Advection and Dispersion" by Luan Carlos de S. M. Ozelim and André Luís Brasil Cavalcante. International Journal of Geomechanics, 2014, 14, 07014001.	2.7	0