Zhang Wen

List of Publications by Year
in descending order

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44 papers	810 citations	516215 16 h-index	525886 27 g-index
51 all docs	51 docs citations	51 times ranked	404 citing authors

#	Article	IF	Citations
1	Analytical solution of two-dimensional solute transport in an aquiferâ€“aquitard system. Journal of Contaminant Hydrology, 2009, 107, 162-174.	1.6	75
2	An analytical solution for non-Darcian flow in a confined aquifer using the power law function. Advances in Water Resources, 2008, 31, 44-55.	1.7	67
3	An analytical solution of twoâ€dimensional reactive solute transport in an aquiferâ€aquitard system. Water Resources Research, 2009, 45, .	1.7	66
4	Two-region non-Darcian flow toward a well in a confined aquifer. Advances in Water Resources, 2008, 31, 818-827.	1.7	49
5	Approximate analytical solution for non-Darcian flow toward a partially penetrating well in a confined aquifer. Journal of Hydrology, 2013, 498, 124-131.	2.3	44
6	Water Table Fluctuations Regulate Hydrogen Peroxide Production and Distribution in Unconfined Aquifers. Environmental Science & Technology, 2020, 54, 4942-4951.	4.6	40
7	A numerical solution for non-Darcian flow to a well in a confined aquifer using the power law function. Journal of Hydrology, 2009, 364, 99-106.	2.3	39
8	Non-Darcian flow to a well in an aquiferâ€“aquitard system. Advances in Water Resources, 2008, 31, 1754-1763.	1.7	33
9	An Experimental Study on the Adsorption and Desorption of Cu(II) in Silty Clay. Geofluids, 2018, 2018, 1-12.	0.3	32
10	Non-Darcian flow to a well in a leaky aquifer using the Forchheimer equation. Hydrogeology Journal, 2011, 19, 563-572.	0.9	30
11	Well hydraulics in pumping tests with exponentially decayed rates of abstraction in confined aquifers. Journal of Hydrology, 2017, 548, 40-45.	2.3	26
12	An Experimental Study on Solute Transport in One-Dimensional Clay Soil Columns. Geofluids, 2017, 2017, 1-17.	0.3	26
13	Constant-head test in a leaky aquifer with a finite-thickness skin. Journal of Hydrology, 2011, 399, 326-334.	2.3	24
14	Numerical simulation of Forchheimer flow to a partially penetrating well with a mixed-type boundary condition. Journal of Hydrology, 2015, 524, 53-61.	2.3	23
15	A mobile-immobile model for reactive solute transport in a radial two-zone confined aquifer. Journal of Hydrology, 2020, 580, 124347.	2.3	21
16	Approximate analytical and numerical solutions for radial nonâ€Darcian flow to a well in a leaky aquifer with wellbore storage and skin effect. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 1453-1469.	1.7	17
17	Non-Darcian flow toward a larger-diameter partially penetrating well in a confined aquifer. Environmental Earth Sciences, 2014, 72, 4617-4625.	1.3	17
18	Non-Darcian flow to a partially penetrating well in a confined aquifer with a finite-thickness skin. Hydrogeology Journal, 2016, 24, 1287-1296.	0.9	16

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19	Contamination and natural attenuation characteristics of petroleum hydrocarbons in a fractured karst aquifer, North China. Environmental Science and Pollution Research, 2020, 27, 22780-22794.	2.7	15
20	Skin effect on single-well push-pull tests with the presence of regional groundwater flow. Journal of Hydrology, 2019, 577, 123931.	2.3	14
21	Non-Darcian Flow to a Partially Penetrating Pumping Well in a Leaky Aquifer Considering the Aquitardâ€“Aquifer Interface Flow. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	10
22	Microbial effects on hydraulic conductivity estimation by single-well injection tests in a petroleum-contaminated aquifer. Journal of Hydrology, 2019, 573, 352-364.	2.3	9
23	Combined role of leaky and non-Darcian effects on the flow to a pumping well with a non-uniform flux well-face boundary. Journal of Hydrology, 2020, 580, 123532.	2.3	9
24	Laboratory observations for two-dimensional solute transport in an aquifer-aquitard system. Environmental Science and Pollution Research, 2021, 28, 38664-38678.	2.7	9
25	Optimization Strategies for in Situ Groundwater Remediation by a Vertical Circulation Well Based on Particleâ€Tracking and Nodeâ€Dependent Finite Difference Methods. Water Resources Research, 2020, 56, e2020WR027396.	1.7	8
26	Solutions for Non-Darcian Flow to an Extended Well in Fractured Rock. Ground Water, 2011, 49, 280-285.	0.7	7
27	The single-well test dilemma: the skin effect and variable-rate pumping perspective. Hydrogeology Journal, 2018, 26, 2521-2529.	0.9	7
28	Saline groundwater evolution in the Luanhe River delta (China) during the Holocene: hydrochemical, isotopic, and sedimentary evidence. Hydrology and Earth System Sciences, 2022, 26, 1341-1356.	1.9	7
29	Numerical modeling of Forchheimer flow to a pumping well in a confined aquifer using the strong-form mesh-free method. Hydrogeology Journal, 2014, 22, 1207-1215.	0.9	6
30	Impact of Transient Flow on Subsurface Solute Transport with Exponentially Time-Dependent Flow Velocity. Journal of Hydrologic Engineering - ASCE, 2018, 23, .	0.8	6
31	Formation mechanism and mixing behavior of Nanyang thermal spring, Xingshan County of Hubei Province, central China. Hydrogeology Journal, 2019, 27, 2933-2953.	0.9	6
32	A new solution to transient single-well push-pull test with low-permeability non-Darcian leakage effects. Journal of Contaminant Hydrology, 2020, 234, 103689.	1.6	6
33	Determination of hydraulic conductivity and its spatial variability in the Jianghan Plain using a multi-format, multi-method approach. Journal of Hydrology, 2021, 594, 125917.	2.3	6
34	A study of the thermal behaviour of exposed karst water systems in a mountainous area of Zigui County, Hubei Province, Central China. Hydrogeology Journal, 2021, 29, 2821-2835.	0.9	6
35	Contamination characteristics of chlorinated hydrocarbons in a fractured karst aquifer using TMVOC and hydro-chemical techniques. Science of the Total Environment, 2021, 794, 148717.	3.9	6
36	Analytical Study of Unsteady Nested Groundwater Flow Systems. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	5

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37	Numerical simulation of single-well pushâ€“pull tests in a radial two-zone confined aquifer. Hydrogeology Journal, 2019, 27, 2645-2658.	0.9	5
38	New Semi-Analytical Model for an Exponentially Decaying Pumping Rate with a Finite-Thickness Skin in a Leaky Aquifer. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	5
39	Flow transiency on analytical modeling of subsurface solute transport. Environmental Science and Pollution Research, 2020, 27, 38974-38986.	2.7	5
40	Geostatistical analysis and hydrofacies simulation for estimating the spatial variability of hydraulic conductivity in the Jianghan Plain, central China. Hydrogeology Journal, 0, , .	0.9	4
41	Geochemical evolution of clay pore water as an indicator for palaeoenvironmental variability in the Hebei Plain, northern China. Environmental Earth Sciences, 2016, 75, 1.	1.3	1
42	Editorial of Special Issue â€œAdvances in Groundwater Flow and Solute Transport: Pushing the Hidden Boundaryâ€• Water (Switzerland), 2019, 11, 457.	1.2	1
43	Solutions for Groundwater Flow to a Pumping Well with an Exponentially Decreasing Variableâ€Rate in a Sloping Aquifer. Ground Water, 2022, 60, 792-800.	0.7	1
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