You-kuan Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

		346980	242451
73	2,347	22	47
papers	citations	h-index	g-index

74	74	74	2790
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Unsaturated Flow on Hydraulic Head Response to Earth Tidesâ€“An Analytical Model. Water Resources Research, 2022, 58, .	1.7	8
2	Dynamics in Diffusive Emissions of Dissolved Gases from Groundwater Induced by Fluctuated Ground Surface Temperature. Environmental Science & Technology, 2022, 56, 2355-2365.	4.6	3
3	Rock Deformation Estimated by Groundwater-Level Monitoring: A Case Study at the Xianshuihe Fault, China. Geofluids, 2022, 2022, 1-14.	0.3	1
4	Diagnosing the subsurface buffer on ground-surface temperature under long-term groundwater pumping: effects of the bottom boundary condition placement. Hydrogeology Journal, 2021, 29, 1313-1327.	0.9	0
5	An analytical model of vapor intrusion with fluctuated water table. Journal of Hydrology, 2021, 596, 126085.	2.3	8
6	Temporal scaling of long-term co-occurring agricultural contaminants and the implications for conservation planning. Environmental Research Letters, 2021, 16, 094015.	2.2	1
7	Diagnostic Analysis of Bank Storage Effects on Sloping Floodplains. Water Resources Research, 2020, 56, e2019WR026385.	1.7	6
8	Fractions Transformation and Dissipation Mechanism of Dechlorane Plus in the Rhizosphere of the Soilâ€“Plant System. Environmental Science & Technology, 2020, 54, 6610-6620.	4.6	11
9	Effects of Groundwater Pumping on Ground Surface Temperature: A Regional Modeling Study in the North China Plain. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031764.	1.2	12
10	Effects of agricultural activities on the temporal variations of streamflow: trends and long memory. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1553-1564.	1.9	7
11	An analytical model of bubble-facilitated vapor intrusion. Water Research, 2019, 165, 114992.	5.3	9
12	Modeling hydro-biogeochemical transformation of chromium in hyporheic zone: Effects of spatial and temporal resolutions. Journal of Hydrology, 2019, 579, 124152.	2.3	3
13	Solute Transport With Linear Reactions in Porous Media With Layered Structure: A Semianalytical Model. Water Resources Research, 2019, 55, 5102-5118.	1.7	23
14	Contrasting NO3-N concentration patterns at two karst springs in Iowa (USA): insights on aquifer nitrogen storage and delivery. Hydrogeology Journal, 2019, 27, 1389-1400.	0.9	5
15	Underdamped slug tests with unsaturatedâ€saturated flows by considering effects of wellbore skins. Hydrological Processes, 2018, 32, 968-980.	1.1	12
16	Analysis of temporal variation and scaling of hydrological variables based on a numerical model of the Sagehen Creek watershed. Stochastic Environmental Research and Risk Assessment, 2018, 32, 357-368.	1.9	10
17	Study on the Stability of the Coal Seam Floor above a Confined Aquifer Using the Structural System Reliability Method. Geofluids, 2018, 2018, 1-15.	0.3	5
18	Aquifer Recharge Using a Vadose Zone Infiltration Well. Water Resources Research, 2018, 54, 8847-8863.	1.7	33

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19	A new explanation on causes of fractures in the ancient City Wall, Nanjing: observation, measurement, and modeling. Environmental Earth Sciences, 2018, 77, 1.	1.3	2
20	A simple method of transport parameter estimation for slug injecting tracer tests in porous media. Science of the Total Environment, 2018, 644, 1536-1546.	3.9	12
21	Reply to Comment by Roques et al. on â€œBase Flow Recession from Unsaturated-Saturated Porous Media considering Lateral Unsaturated Discharge and Aquifer Compressibilityâ€. Water Resources Research, 2018, 54, 3220-3222.	1.7	0
22	Modelâ€Based Analysis of the Effects of Damâ€Induced River Water and Groundwater Interactions on Hydroâ€Biogeochemical Transformation of Redox Sensitive Contaminants in a Hyporheic Zone. Water Resources Research, 2018, 54, 5973-5985.	1.7	27
23	Base flow recession from unsaturatedâ€saturated porous media considering lateral unsaturated discharge and aquifer compressibility. Water Resources Research, 2017, 53, 7832-7852.	1.7	22
24	Three-Dimensional Hydromechanical Modeling during Shearing by Nonuniform Crust Movement. Geofluids, 2017, 2017, 1-14.	0.3	3
25	On the coupled unsaturatedâ€“saturated flow process induced by vertical, horizontal, and slant wells in unconfined aquifers. Hydrology and Earth System Sciences, 2017, 21, 1251-1262.	1.9	22
26	Analytical solutions of three-dimensional groundwater flow to a well in a leaky sloping fault-zone aquifer. Journal of Hydrology, 2016, 539, 204-213.	2.3	7
27	Effects of temporally correlated infiltration on water flow in an unsaturatedâ€“saturated system. Stochastic Environmental Research and Risk Assessment, 2016, 30, 2009-2017.	1.9	2
28	Effect of heterogeneity on spatiotemporal variations of groundwater level in a bounded unconfined aquifer. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1-8.	1.9	10
29	Co-Kriging Estimation of Nitrate-Nitrogen Loads in an Agricultural River. Water Resources Management, 2016, 30, 1771-1784.	1.9	10
30	Analyses of uncertainties and scaling of groundwater level fluctuations. Hydrology and Earth System Sciences, 2015, 19, 2971-2979.	1.9	13
31	Analytical solutions for two-dimensional groundwater flow with subsurface drainage tiles. Journal of Hydrology, 2015, 521, 556-564.	2.3	10
32	Temporal and spatial variation and scaling of groundwater levels in a bounded unconfined aquifer. Journal of Hydrology, 2013, 479, 139-145.	2.3	18
33	Analytic solutions to transient groundwater flow under time-dependent sources in a heterogeneous aquifer bounded by fluctuating river stage. Advances in Water Resources, 2013, 58, 1-9.	1.7	18
34	Temporal Scaling of Groundwater Level Fluctuations Near a Stream. Ground Water, 2012, 50, 59-67.	0.7	25
35	Analytical Solution for Drainage and Recession from an Unconfined Aquifer. Ground Water, 2012, 50, 793-798.	0.7	13
36	A new analytical method for groundwater recharge and discharge estimation. Journal of Hydrology, 2012, 450-451, 17-24.	2.3	24

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37	Hydroxyl radical generation and oxidative stress in earthworms (Eisenia fetida) exposed to decabromodiphenyl ether (BDE-209). Ecotoxicology, 2011, 20, 993-999.	1.1	43
38	Effects of variations of river stage and hydraulic conductivity on temporal scaling of groundwater levels: numerical simulations. Stochastic Environmental Research and Risk Assessment, 2010, 24, 1043-1052.	1.9	15
39	Quantifying the effect of land use land cover change on increasing discharge in the Upper Mississippi River. Journal of Hydrology, 2010, 387, 343-345.	2.3	151
40	Temporal variations of Escherichia coli concentrations in a large Midwestern river. Journal of Hydrology, 2009, 365, 79-85.	2.3	55
41	Multi-scale entropy analysis of Mississippi River flow. Stochastic Environmental Research and Risk Assessment, 2008, 22, 507-512.	1.9	83
42	Particle Tracking Experiments in Matchâ€Indexâ€Refraction Porous Media. Ground Water, 2008, 46, 865-872.	0.7	15
43	Impact of land use and land cover change on the water balance of a large agricultural watershed: Historical effects and future directions. Water Resources Research, 2008, 44, .	1.7	333
44	Quantifying fractal dynamics of groundwater systems with detrended fluctuation analysis. Journal of Hydrology, 2007, 336, 139-146.	2.3	72
45	Effect of temporally correlated recharge on fluctuations of groundwater levels. Water Resources Research, 2006, 42, .	1.7	20
46	Increasing streamflow and baseflow in Mississippi River since the 1940s: Effect of land use change. Journal of Hydrology, 2006, 324, 412-422.	2.3	356
47	Groundwaterâ€“surface water interaction in the riparian zone of an incised channel, Walnut Creek, Iowa. Journal of Hydrology, 2006, 327, 140-150.	2.3	56
48	Cokriging estimation of daily suspended sediment loads. Journal of Hydrology, 2006, 327, 389-398.	2.3	28
49	Temporal variations and scaling of streamflow and baseflow and their nitrate-nitrogen concentrations and loads. Advances in Water Resources, 2005, 28, 701-710.	1.7	49
50	Temporal scaling of hydraulic head fluctuations: Nonstationary spectral analyses and numerical simulations. Water Resources Research, 2005, 41, .	1.7	41
51	Numerical simulations of non-ergodic solute transport in three-dimensional heterogeneous porous media. Stochastic Environmental Research and Risk Assessment, 2004, 18, 205-215.	1.9	4
52	Forum: The state of stochastic hydrology. Stochastic Environmental Research and Risk Assessment, 2004, 18, 265.	1.9	20
53	Temporal scaling of hydraulic head and river base flow and its implication for groundwater recharge. Water Resources Research, 2004, 40, .	1.7	68
54	Stochastic analyses and Monte Carlo simulations of nonergodic solute transport in three-dimensional heterogeneous and statistically anisotropic aquifers. Water Resources Research, 2004, 40, .	1.7	2

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55	Water table fluctuations near an incised stream, Walnut Creek, Iowa. Journal of Hydrology, 2004, 286, 236-248.	2.3	72
56	Baseflow contribution to nitrate-nitrogen export from a large, agricultural watershed, USA. Journal of Hydrology, 2004, 295, 305-316.	2.3	173
57	Title is missing!. Transport in Porous Media, 2003, 52, 111-115.	1.2	0
58	An Improved Method for Estimation of Biodegradation Rate with Field Data. Ground Water Monitoring and Remediation, 2003, 23, 112-116.	0.6	10
59	Nonergodic solute transport in physically and chemically heterogeneous porous media. Water Resources Research, 2003, 39, .	1.7	9
60	Nonergodic solution transport in heterogeneous porous media: Influence of multiscale structure. , 2000, , .		3
61	Solute transport in heterogeneous porous media with long-range correlations. Water Resources Research, 1999, 35, 3185-3191.	1.7	10
62	Numerical simulations of transport of non-ergodic solute plumes in heterogeneous aquifers. Stochastic Hydrology & Hydraulics, 1998, 12, 117-140.	0.5	12
63	Solute transport in three-dimensional heterogeneous media with a Gaussian covariance of log hydraulic conductivity. Water Resources Research, 1998, 34, 1929-1934.	1.7	17
64	Comment on â€œLinear equilibrium adsorbing solute transport in physically and chemically heterogeneous porous formations: 1, Analytical Solutionsâ€•by Alberto Bellin Andrea Rinaldo, Willem Jan P. Bosnia, Sjoerd E. A. T. M. Van Der Zee, and Yoram Rubin. Water Resources Research, 1998, 34, 3701-3703.	1.7	2
65	Time-Dependent Dispersion of Nonergodic Plumes in Two-Dimensional Heterogeneous Aquifers. Journal of Hydrologic Engineering - ASCE, 1997, 2, 91-94.	0.8	14
66	On the variances of second spatial moments of a nonergodic plume in heterogeneous aquifers. Water Resources Research, 1997, 33, 1893-1900.	1.7	5
67	Nonergodic Solute Transport in Three-Dimensional Heterogeneous Isotropic Aquifers. Water Resources Research, 1996, 32, 2955-2963.	1.7	36
68	Simulation Of Spring Discharge From A Limestone Aquifer In Iowa, USA. Hydrogeology Journal, 1996, 4, 41-54.	0.9	33
69	An evaluation of nonlinearity in spatial second moments of ensemble mean concentration in heterogeneous porous media. Water Resources Research, 1995, 31, 2991-3005.	1.7	7
70	MODELING CONCENTRATION VARIATIONS IN HIGH-CAPACITY WELLS: IMPLICATIONS FOR GROUNDWATER SAMPLING. Journal of the American Water Resources Association, 1994, 30, 613-622.	1.0	6
71	A quasiâ€linear theory of nonâ€Fickian and Fickian subsurface dispersion: 1. Theoretical analysis with application to isotropic media. Water Resources Research, 1990, 26, 887-902.	1.7	44
72	A quasiâ€linear theory of nonâ€Fickian and Fickian subsurface dispersion: 2. Application to anisotropic media and the Borden site. Water Resources Research, 1990, 26, 903-913.	1.7	22

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73	A quasilinear theory of non-Fickian and subsurface dispersion: 2. Application to anisotropic media and the Borden site. Water Resources Research, 1990, 26, 903-913.	1.7	66