Xiuyu Liang

List of Publications by Year
in descending order

		840776	888059
38 papers	392 citations	11 h-index	17 g-index
42 all docs	42 docs citations	42 times ranked	317 citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Unsaturated Flow on Hydraulic Head Response to Earth Tides–An Analytical Model. Water Resources Research, 2022, 58, .	4.2	8
2	Dynamics in Diffusive Emissions of Dissolved Gases from Groundwater Induced by Fluctuated Ground Surface Temperature. Environmental Science & Technology, 2022, 56, 2355-2365.	10.0	3
3	Rock Deformation Estimated by Groundwater-Level Monitoring: A Case Study at the Xianshuihe Fault, China. Geofluids, 2022, 2022, 1-14.	0.7	1
4	A distributed domain model coupling open channel flow and groundwater flow to quantify the impact of lateral hydrologic exchange on hydrograph. Journal of Hydrology, 2022, 611, 128010.	5.4	2
5	An analytical model of vapor intrusion with fluctuated water table. Journal of Hydrology, 2021, 596, 126085.	5.4	8
6	Temporal scaling of long-term co-occurring agricultural contaminants and the implications for conservation planning. Environmental Research Letters, 2021, 16, 094015.	5.2	1
7	Random walk evaluation of Green's functions for groundwater flow in heterogeneous aquifers. Journal of Hydrology, 2020, 588, 125029.	5.4	3
8	Diagnostic Analysis of Bank Storage Effects on Sloping Floodplains. Water Resources Research, 2020, 56, e2019WR026385.	4.2	6
9	Influence of time-dependent ground surface flux on aquifer recharge with a vadose zone injection well. Journal of Hydrology, 2020, 584, 124739.	5.4	9
10	On the nanoparticle transport and release in layered heterogeneous porous media under transient chemical conditions. Journal of Hydrology, 2020, 586, 124889.	5.4	1
11	Fractions Transformation and Dissipation Mechanism of Dechlorane Plus in the Rhizosphere of the Soil–Plant System. Environmental Science & Technology, 2020, 54, 6610-6620.	10.0	11
12	Effect of Strain-Dependent Hydraulic Conductivity of Coal Rock on Groundwater Inrush in Mining. Geofluids, 2020, 2020, 1-15.	0.7	6
13	Effects of agricultural activities on the temporal variations of streamflow: trends and long memory. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1553-1564.	4.0	7
14	An analytical model of bubble-facilitated vapor intrusion. Water Research, 2019, 165, 114992.	11.3	9
15	Solute Transport With Linear Reactions in Porous Media With Layered Structure: A Semianalytical Model. Water Resources Research, 2019, 55, 5102-5118.	4.2	23
16	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.	2.1	5
17	Underdamped slug tests with unsaturated–saturated flows by considering effects of wellbore skins. Hydrological Processes, 2018, 32, 968-980.	2.6	12
18	Spatiotemporal Responses of Groundwater Flow and Aquifer–River Exchanges to Flood Events. Water Resources Research, 2018, 54, 1513-1532.	4.2	25

#	Article	IF	Citations
19	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.	4.0	10
20	Study on the Stability of the Coal Seam Floor above a Confined Aquifer Using the Structural System Reliability Method. Geofluids, 2018, 2018, 1-15.	0.7	5
21	Assessing titanium dioxide nanoparticles transport models by Bayesian uncertainty analysis. Stochastic Environmental Research and Risk Assessment, 2018, 32, 3365-3379.	4.0	4
22	Aquifer Recharge Using a Vadose Zone Infiltration Well. Water Resources Research, 2018, 54, 8847-8863.	4.2	33
23	A simple method of transport parameter estimation for slug injecting tracer tests in porous media. Science of the Total Environment, 2018, 644, 1536-1546.	8.0	12
24	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.	4.2	0
25	Base flow recession from unsaturatedâ€saturated porous media considering lateral unsaturated discharge and aquifer compressibility. Water Resources Research, 2017, 53, 7832-7852.	4.2	22
26	Variability of nitrate-nitrogen load estimation results will make quantifying load reduction strategies difficult in Iowa. Journal of Soils and Water Conservation, 2017, 72, 317-325.	1.6	15
27	Three-Dimensional Hydromechanical Modeling during Shearing by Nonuniform Crust Movement. Geofluids, 2017, 2017, 1-14.	0.7	3
28	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.	4.9	22
29	Analytical solutions of three-dimensional groundwater flow to a well in a leaky sloping fault-zone aquifer. Journal of Hydrology, 2016, 539, 204-213.	5.4	7
30	Effects of temporally correlated infiltration on water flow in an unsaturatedâ€“saturated system. Stochastic Environmental Research and Risk Assessment, 2016, 30, 2009-2017.	4.0	2
31	Effect of heterogeneity on spatiotemporal variations of groundwater level in a bounded unconfined aquifer. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1-8.	4.0	10
32	Co-Kriging Estimation of Nitrate-Nitrogen Loads in an Agricultural River. Water Resources Management, 2016, 30, 1771-1784.	3.9	10
33	Analyses of uncertainties and scaling of groundwater level fluctuations. Hydrology and Earth System Sciences, 2015, 19, 2971-2979.	4.9	13
34	Analytical solutions for two-dimensional groundwater flow with subsurface drainage tiles. Journal of Hydrology, 2015, 521, 556-564.	5.4	10
35	Temporal and spatial variation and scaling of groundwater levels in a bounded unconfined aquifer. Journal of Hydrology, 2013, 479, 139-145.	5.4	18
36	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.	3.8	18

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37	Analytical Solution for Drainage and Recession from an Unconfined Aquifer. Ground Water, 2012, 50, 793-798.	1.3	13
38	A new analytical method for groundwater recharge and discharge estimation. Journal of Hydrology, 2012, 450-451, 17-24.	5.4	24