

Xiuyu Liang

List of Publications by Year in descending order

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38
papers

392
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840776

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317
citing authors

#	ARTICLE	IF	CITATIONS
1	Aquifer Recharge Using a Vadose Zone Infiltration Well. <i>Water Resources Research</i> , 2018, 54, 8847-8863.	4.2	33
2	Spatiotemporal Responses of Groundwater Flow and Aquifer-River Exchanges to Flood Events. <i>Water Resources Research</i> , 2018, 54, 1513-1532.	4.2	25
3	A new analytical method for groundwater recharge and discharge estimation. <i>Journal of Hydrology</i> , 2012, 450-451, 17-24.	5.4	24
4	Solute Transport With Linear Reactions in Porous Media With Layered Structure: A Semianalytical Model. <i>Water Resources Research</i> , 2019, 55, 5102-5118.	4.2	23
5	Base flow recession from unsaturated-saturated porous media considering lateral unsaturated discharge and aquifer compressibility. <i>Water Resources Research</i> , 2017, 53, 7832-7852.	4.2	22
6	On the coupled unsaturated-saturated flow process induced by vertical, horizontal, and slant wells in unconfined aquifers. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1251-1262.	4.9	22
7	Temporal and spatial variation and scaling of groundwater levels in a bounded unconfined aquifer. <i>Journal of Hydrology</i> , 2013, 479, 139-145.	5.4	18
8	Analytic solutions to transient groundwater flow under time-dependent sources in a heterogeneous aquifer bounded by fluctuating river stage. <i>Advances in Water Resources</i> , 2013, 58, 1-9.	3.8	18
9	Variability of nitrate-nitrogen load estimation results will make quantifying load reduction strategies difficult in Iowa. <i>Journal of Soils and Water Conservation</i> , 2017, 72, 317-325.	1.6	15
10	Analytical Solution for Drainage and Recession from an Unconfined Aquifer. <i>Ground Water</i> , 2012, 50, 793-798.	1.3	13
11	Analyses of uncertainties and scaling of groundwater level fluctuations. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2971-2979.	4.9	13
12	Underdamped slug tests with unsaturated-saturated flows by considering effects of wellbore skins. <i>Hydrological Processes</i> , 2018, 32, 968-980.	2.6	12
13	A simple method of transport parameter estimation for slug injecting tracer tests in porous media. <i>Science of the Total Environment</i> , 2018, 644, 1536-1546.	8.0	12
14	Fractions Transformation and Dissipation Mechanism of Dechlorane Plus in the Rhizosphere of the Soil-Plant System. <i>Environmental Science & Technology</i> , 2020, 54, 6610-6620.	10.0	11
15	Analytical solutions for two-dimensional groundwater flow with subsurface drainage tiles. <i>Journal of Hydrology</i> , 2015, 521, 556-564.	5.4	10
16	Effect of heterogeneity on spatiotemporal variations of groundwater level in a bounded unconfined aquifer. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 1-8.	4.0	10
17	Co-Kriging Estimation of Nitrate-Nitrogen Loads in an Agricultural River. <i>Water Resources Management</i> , 2016, 30, 1771-1784.	3.9	10
18	Analysis of temporal variation and scaling of hydrological variables based on a numerical model of the Sagehen Creek watershed. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 357-368.	4.0	10

#	ARTICLE	IF	CITATIONS
19	An analytical model of bubble-facilitated vapor intrusion. <i>Water Research</i> , 2019, 165, 114992.	11.3	9
20	Influence of time-dependent ground surface flux on aquifer recharge with a vadose zone injection well. <i>Journal of Hydrology</i> , 2020, 584, 124739.	5.4	9
21	An analytical model of vapor intrusion with fluctuated water table. <i>Journal of Hydrology</i> , 2021, 596, 126085.	5.4	8
22	Effects of Unsaturated Flow on Hydraulic Head Response to Earth Tides—An Analytical Model. <i>Water Resources Research</i> , 2022, 58, .	4.2	8
23	Analytical solutions of three-dimensional groundwater flow to a well in a leaky sloping fault-zone aquifer. <i>Journal of Hydrology</i> , 2016, 539, 204-213.	5.4	7
24	Effects of agricultural activities on the temporal variations of streamflow: trends and long memory. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 1553-1564.	4.0	7
25	Diagnostic Analysis of Bank Storage Effects on Sloping Floodplains. <i>Water Resources Research</i> , 2020, 56, e2019WR026385.	4.2	6
26	Effect of Strain-Dependent Hydraulic Conductivity of Coal Rock on Groundwater Inrush in Mining. <i>Geofluids</i> , 2020, 2020, 1-15.	0.7	6
27	Study on the Stability of the Coal Seam Floor above a Confined Aquifer Using the Structural System Reliability Method. <i>Geofluids</i> , 2018, 2018, 1-15.	0.7	5
28	Contrasting NO ₃ -N concentration patterns at two karst springs in Iowa (USA): insights on aquifer nitrogen storage and delivery. <i>Hydrogeology Journal</i> , 2019, 27, 1389-1400.	2.1	5
29	Assessing titanium dioxide nanoparticles transport models by Bayesian uncertainty analysis. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 3365-3379.	4.0	4
30	Three-Dimensional Hydromechanical Modeling during Shearing by Nonuniform Crust Movement. <i>Geofluids</i> , 2017, 2017, 1-14.	0.7	3
31	Random walk evaluation of Green's functions for groundwater flow in heterogeneous aquifers. <i>Journal of Hydrology</i> , 2020, 588, 125029.	5.4	3
32	Dynamics in Diffusive Emissions of Dissolved Gases from Groundwater Induced by Fluctuated Ground Surface Temperature. <i>Environmental Science & Technology</i> , 2022, 56, 2355-2365.	10.0	3
33	Effects of temporally correlated infiltration on water flow in an unsaturated-saturated system. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 2009-2017.	4.0	2
34	A distributed domain model coupling open channel flow and groundwater flow to quantify the impact of lateral hydrologic exchange on hydrograph. <i>Journal of Hydrology</i> , 2022, 611, 128010.	5.4	2
35	On the nanoparticle transport and release in layered heterogeneous porous media under transient chemical conditions. <i>Journal of Hydrology</i> , 2020, 586, 124889.	5.4	1
36	Temporal scaling of long-term co-occurring agricultural contaminants and the implications for conservation planning. <i>Environmental Research Letters</i> , 2021, 16, 094015.	5.2	1

#	ARTICLE	IF	CITATIONS
37	Rock Deformation Estimated by Groundwater-Level Monitoring: A Case Study at the Xianshuihe Fault, China. <i>Geofluids</i> , 2022, 2022, 1-14.	0.7	1
38	Reply to Comment by Roques et al. on "Base Flow Recession from Unsaturated-Saturated Porous Media considering Lateral Unsaturated Discharge and Aquifer Compressibility". <i>Water Resources Research</i> , 2018, 54, 3220-3222.	4.2	0