

# Longcang Shu

## List of Publications by Year in descending order

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32  
papers

335  
citations

932766

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h-index

887659

17  
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all docs

32  
docs citations

32  
times ranked

386  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Groundwater Overexploitation Causing Land Subsidence: Hazard Risk Assessment Using Field Observation and Spatial Modelling. <i>Water Resources Management</i> , 2012, 26, 4225-4239.                | 1.9 | 49        |
| 2  | The hydrologic function and behavior of the Houzhai underground river basin, Guizhou Province, southwestern China. <i>Hydrogeology Journal</i> , 2010, 18, 509-518.                                 | 0.9 | 32        |
| 3  | Variations de la conductivité hydraulique verticale du lit d'un cours d'eau avant et après une saison d'inondation. <i>Hydrogeology Journal</i> , 2015, 23, 1603-1615.                              | 0.9 | 28        |
| 4  | Assessment of Sustainable Yield of Karst Water in Huaibei, China. <i>Water Resources Management</i> , 2011, 25, 287-300.  | 1.9 | 26        |
| 5  | Sensitivity analysis of groundwater level in Jinci Spring Basin (China) based on artificial neural network modeling. <i>Hydrogeology Journal</i> , 2012, 20, 727-738.                               | 0.9 | 25        |
| 6  | Use of hydrologic time-series data for identification of hydrodynamic function and behavior in a karstic water system in China. <i>Hydrogeology Journal</i> , 2011, 19, 1577-1585.                  | 0.9 | 22        |
| 7  | Rainfall-Driven Spring Hydrograph Modeling in a Karstic Water System, Southwestern China. <i>Water Resources Management</i> , 2010, 24, 2689-2701.  | 1.9 | 16        |
| 8  | Storage and Drainage Characteristics of a Highly Heterogeneous Karst Aquifer in Houzhai Basin. <i>Ground Water</i> , 2016, 54, 878-887.   | 0.7 | 12        |
| 9  | Numerical modeling of solute transport in a sand tank physical model under varying hydraulic gradient and hydrological stresses. <i>Hydrogeology Journal</i> , 2018, 26, 2089-2113.                 | 0.9 | 12        |
| 10 | Parameter estimation for a karst aquifer with unknown thickness using the genetic algorithm method. <i>Environmental Earth Sciences</i> , 2011, 63, 797-807.  | 1.3 | 11        |
| 11 | Clogging of Infiltration Basin and Its Impact on Suspended Particles Transport in Unconfined Sand Aquifer: Insights from a Laboratory Study. <i>Water (Switzerland)</i> , 2019, 11, 1083.           | 1.2 | 9         |
| 12 | Laboratory and numerical simulations of spatio-temporal variability of water exchange between the fissures and conduits in a karstic aquifer. <i>Journal of Hydrology</i> , 2020, 590, 125219.      | 2.3 | 9         |
| 13 | Laboratory simulation of groundwater hydraulic head in a karst aquifer system with conduit and fracture domains. <i>Carbonates and Evaporites</i> , 2016, 31, 329-337.                              | 0.4 | 8         |
| 14 | Impact of a low-permeability lens on dune-induced hyporheic exchange. <i>Hydrological Sciences Journal</i> , 2018, 63, 818-835.   | 1.2 | 8         |
| 15 | Simulation of groundwater flow paths under managed abstraction and recharge in an analogous sand-tank phreatic aquifer. <i>Hydrogeology Journal</i> , 2019, 27, 3025-3042.                          | 0.9 | 8         |
| 16 | Composite Subsidence Vulnerability Assessment Based on an Index Model and Index Decomposition Method. <i>Human and Ecological Risk Assessment (HERA)</i> , 2013, 19, 674-698.                       | 1.7 | 7         |
| 17 | Interpretation of a short-duration pumping test in the mixed flow karst system using a three-reservoir model. <i>Carbonates and Evaporites</i> , 2013, 28, 149-158.                                 | 0.4 | 6         |
| 18 | The effect of typical geological heterogeneities on the performance of managed aquifer recharge: physical experiments and numerical simulations. <i>Hydrogeology Journal</i> , 2021, 29, 2107-2125. | 0.9 | 6         |

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|----|---|-----|-----------|
| 19 | Identification of Preferential Runoff Belts in Jinan Spring Basin Based on Hydrological Time-Series Correlation. <i>Water (Switzerland)</i> , 2021, 13, 3255.                         | 1.2 | 6         |
| 20 | Evaluation of unconfined aquifer parameters from flow to partially penetrating wells in Tailan River basin, China. <i>Environmental Earth Sciences</i> , 2013, 69, 799-809.           | 1.3 | 5         |
| 21 | Influence of particle distribution on filter coefficient in the initial stage of filtration. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 456-464.                       | 1.2 | 5         |
| 22 | Laboratory Physical Experiments on the Saltwater Upconing and Recovery of Island Freshwater Lenses: Case Study of a Coral Island, China. <i>Water (Switzerland)</i> , 2021, 13, 1137. | 1.2 | 5         |
| 23 | Experimental determination of fractures and conduits and the applicability of Cubic law in closed fractures. <i>Experimental Thermal and Fluid Science</i> , 2015, 69, 1-7.           | 1.5 | 4         |
| 24 | Impacts of Artificial Regulation on Karst Spring Hydrograph in Northern China: Laboratory Study and Numerical Simulations. <i>Water (Switzerland)</i> , 2019, 11, 755.                | 1.2 | 4         |
| 25 | Interpretation of Pumping Test with Radial Collector Well Using a Reservoir Model. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 1397-1407.                             | 0.8 | 3         |
| 26 | An approach for estimating sustainable yield of karst water in data sparse regions. <i>Environmental Earth Sciences</i> , 2012, 66, 399-407.  | 1.3 | 3         |
| 27 | The controlling factors of the karst water hydrochemistry in a karst basin of southwestern China. <i>Environmental Earth Sciences</i> , 2021, 80, 1.                                  | 1.3 | 3         |
| 28 | Evaluating Particle Deposition in the Artificial Groundwater Recharge Process by Physical and CT Imaging Experiments. <i>Water Resources Management</i> , 2021, 35, 4789.             | 1.9 | 2         |
| 29 | Confined water quality evaluation of cone of depression in jining based on principle component analysis method. , 2011, , .   |     | 1         |
| 30 | Application of gray relational method to the time-lag between spring discharge and precipitation. , 2011, , .   |     | 0         |
| 31 | Analysis of Karst spring discharge in semiarid of China. , 2011, , .  |     | 0         |
| 32 | Study of hydrodynamics of karstic aquifer based on grey correlation analysis. , 2011, , .   |     | 0         |