

# Qin-bo Cheng

## List of Publications by Year in descending order

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times ranked

635  
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#	ARTICLE	IF	CITATIONS
1	Estimation of Surface Soil Moisture by a Multi-Elevation UAV-Based Ground Penetrating Radar. <i>Water Resources Research</i> , 2023, 59, .	4.2	3
2	Evaluating the joint use of GPR and ERT on mapping shallow subsurface features of karst critical zone in southwest China. <i>Vadose Zone Journal</i> , 2022, 21, e20172.	2.4	13
3	Soil moisture and electrical conductivity relationships under typical Loess Plateau land covers. <i>Vadose Zone Journal</i> , 2022, 21, .	2.4	8
4	Linking nitrate dynamics to water age in underground conduit flows in a karst catchment. <i>Journal of Hydrology</i> , 2021, 596, 125699.	5.6	10
5	Climate and landscape controls on spatio-temporal patterns of stream water stable isotopes in a large glacierized mountain basin on the Tibetan Plateau. <i>Science of the Total Environment</i> , 2021, 771, 144799.	8.2	13
6	Using StorAge Selection (SAS) functions to understand flow paths and age distributions in contrasting karst groundwater systems. <i>Journal of Hydrology</i> , 2021, 602, 126785.	5.6	16
7	Characterizing the variability of transit time distributions and young water fractions in karst catchments using flux tracking. <i>Hydrological Processes</i> , 2020, 34, 3156-3174.	2.6	21
8	Coupled hydrological and biogeochemical modelling of nitrogen transport in the karst critical zone. <i>Science of the Total Environment</i> , 2020, 732, 138902.	8.2	33
9	Storage dynamics, hydrological connectivity and flux ages in a karst catchment: conceptual modelling using stable isotopes. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 51-71.	5.0	57
10	Using maximum likelihood to derive various distance-based goodness-of-fit indicators for hydrologic modeling assessment. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 949-966.	4.1	7
11	Improved Inverse Modeling by Separating Model Structural and Observational Errors. <i>Water (Switzerland)</i> , 2018, 10, 1151.	2.8	4
12	The Use of River Flow Discharge and Sediment Load for Multi-Objective Calibration of SWAT Based on the Bayesian Inference. <i>Water (Switzerland)</i> , 2018, 10, 1662.	2.8	3
13	Characterizing the heterogeneity of karst critical zone and its hydrological function: An integrated approach. <i>Hydrological Processes</i> , 2018, 32, 2932-2946.	2.6	63
14	Temporal change of spatial heterogeneity and its effect on regional trend of annual precipitation heterogeneity indices. <i>Hydrological Processes</i> , 2017, 31, 3178-3190.	2.6	2
15	Using Two Parallel Linear Reservoirs to Express Multiple Relations of Power-Law Recession Curves. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	2.2	11
16	Joint probability of precipitation and reservoir storage for drought estimation in the headwater basin of the Huaihe River, China. <i>Stochastic Environmental Research and Risk Assessment</i> , 2016, 30, 1641-1657.	4.1	24
17	Improvement and comparison of the rainfall-runoff methods in SWAT at the monsoonal watershed of Baocun, Eastern China. <i>Hydrological Sciences Journal</i> , 2016, 61, 1460-1476.	2.7	16
18	Improvement and comparison of likelihood functions for model calibration and parameter uncertainty analysis within a Markov chain Monte Carlo scheme. <i>Journal of Hydrology</i> , 2014, 519, 2202-2214.	5.6	39

#	ARTICLE	IF	CITATIONS
19	Numerical modeling the role of rubber dams on groundwater recharge and phreatic evaporation loss in riparian zones. <i>Environmental Earth Sciences</i> , 2012, 65, 345-352.	2.7	14
20	Water infiltration underneath single-ring permeameters and hydraulic conductivity determination. <i>Journal of Hydrology</i> , 2011, 398, 135-143.	5.6	25
21	Simulating the integrated effects of topography and soil properties on runoff generation in hilly forested catchments, South China. <i>Hydrological Processes</i> , 2010, 24, 714-725.	2.6	12