Qin-bo Cheng

List of Publications by Year
in descending order

21	466	636246 13	653287 22
papers	citations	h-index	g-index

23	23	23	635
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterizing the heterogeneity of karst critical zone and its hydrological function: An integrated approach. Hydrological Processes, 2018, 32, 2932-2946.	2.6	63
2	Storage dynamics, hydrological connectivity and flux ages in a karst catchment: conceptual modelling using stable isotopes. Hydrology and Earth System Sciences, 2019, 23, 51-71.	5.0	57
3	Improvement and comparison of likelihood functions for model calibration and parameter uncertainty analysis within a Markov chain Monte Carlo scheme. Journal of Hydrology, 2014, 519, 2202-2214.	5.6	39
4	Coupled hydrological and biogeochemical modelling of nitrogen transport in the karst critical zone. Science of the Total Environment, 2020, 732, 138902.	8.2	33
5	Water infiltration underneath single-ring permeameters and hydraulic conductivity determination. Journal of Hydrology, 2011, 398, 135-143.	5.6	25
6	Joint probability of precipitation and reservoir storage for drought estimation in the headwater basin of the Huaihe River, China. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1641-1657.	4.1	24
7	Characterizing the variability of transit time distributions and young water fractions in karst catchments using flux tracking. Hydrological Processes, 2020, 34, 3156-3174.	2.6	21
8	Improvement and comparison of the rainfallâ€“runoff methods in SWAT at the monsoonal watershed of Baocun, Eastern China. Hydrological Sciences Journal, 2016, 61, 1460-1476.	2.7	16
9	Using StorAge Selection (SAS) functions to understand flow paths and age distributions in contrasting karst groundwater systems. Journal of Hydrology, 2021, 602, 126785.	5.6	16
10	Numerical modeling the role of rubber dams on groundwater recharge and phreatic evaporation loss in riparian zones. Environmental Earth Sciences, 2012, 65, 345-352.	2.7	14
11	Climate and landscape controls on spatio-temporal patterns of stream water stable isotopes in a large glacierized mountain basin on the Tibetan Plateau. Science of the Total Environment, 2021, 771, 144799.	8.2	13
12	Evaluating the joint use of GPR and ERT on mapping shallow subsurface features of karst critical zone in southwest China. Vadose Zone Journal, 2022, 21, e20172.	2.4	13
13	Simulating the integrated effects of topography and soil properties on runoff generation in hilly forested catchments, South China. Hydrological Processes, 2010, 24, 714-725.	2.6	12
14	Using Two Parallel Linear Reservoirs to Express Multiple Relations of Power-Law Recession Curves. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	2.2	11
15	Linking nitrate dynamics to water age in underground conduit flows in a karst catchment. Journal of Hydrology, 2021, 596, 125699.	5.6	10
16	Soil moisture and electrical conductivity relationships under typical Loess Plateau land covers. Vadose Zone Journal, 2022, 21, .	2.4	8
17	Using maximum likelihood to derive various distance-based goodness-of-fit indicators for hydrologic modeling assessment. Stochastic Environmental Research and Risk Assessment, 2018, 32, 949-966.	4.1	7
18	Improved Inverse Modeling by Separating Model Structural and Observational Errors. Water (Switzerland), 2018, 10, 1151.	2.8	4

#	Article	IF	Citations
19	The Use of River Flow Discharge and Sediment Load for Multi-Objective Calibration of SWAT Based on the Bayesian Inference. Water (Switzerland), 2018, 10, 1662.	2.8	3
20	Estimation of Surface Soil Moisture by a Multiâ€Elevation UAVâ€Based Ground Penetrating Radar. Water Resources Research, 2023, 59, .	4.2	3
21	Temporal change of spatial heterogeneity and its effect on regional trend of annual precipitation heterogeneity indices. Hydrological Processes, 2017, 31, 3178-3190.	2.6	2