Jun Zhong

List of Publications by Year
in descending order

31	928	430442 18	454577 30
papers	citations	h-index	g-index

31	31	31	563
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of sources and transformations of nitrate in the Xijiang River using nitrate isotopes and Bayesian model. Science of the Total Environment, 2019, 646, 801-810.	3.9	173
2	Spatial scale effects of the variable relationships between landscape pattern and water quality: Example from an agricultural karst river basin, Southwestern China. Agriculture, Ecosystems and Environment, 2020, 300, 106999.	2.5	75
3	Climate Variability Controls on CO₂ Consumption Fluxes and Carbon Dynamics for Monsoonal Rivers: Evidence From Xijiang River, Southwest China. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2553-2567.	1.3	58
4	Effects of agricultural activities coupled with karst structures on riverine biogeochemical cycles and environmental quality in the karst region. Agriculture, Ecosystems and Environment, 2020, 303, 107120.	2.5	51
5	Lithium isotope compositions of the Yangtze River headwaters: Weathering in high-relief catchments. Geochimica Et Cosmochimica Acta, 2020, 280, 46-65.	1.6	47
6	The impacts of reservoirs on the sources and transport of riverine organic carbon in the karst area: A multi-tracer study. Water Research, 2021, 194, 116933.	5.3	46
7	Solute Production and Transport Processes in Chinese Monsoonal Rivers: Implications for Global Climate Change. Global Biogeochemical Cycles, 2020, 34, e2020GB006541.	1.9	41
8	Climatic and anthropogenic regulation of carbon transport and transformation in a karst river-reservoir system. Science of the Total Environment, 2020, 707, 135628.	3.9	40
9	Sensitivity of chemical weathering and dissolved carbon dynamics to hydrological conditions in a typical karst river. Scientific Reports, 2017, 7, 42944.	1.6	37
10	Understanding transport and transformation of dissolved inorganic carbon (DIC) in the reservoir system using Î´13CDIC and water chemistry. Journal of Hydrology, 2019, 574, 193-201.	2.3	30
11	Coupled controls of climate, lithology and land use on dissolved trace elements in a karst river system. Journal of Hydrology, 2020, 591, 125328.	2.3	30
12	Temporal transport of major and trace elements in the upper reaches of the Xijiang River, SW China. Environmental Earth Sciences, 2017, 76, 1.	1.3	26
13	Oxidation of pyrite and reducing nitrogen fertilizer enhanced the carbon cycle by driving terrestrial chemical weathering. Science of the Total Environment, 2021, 768, 144343.	3.9	26
14	Evaluation of Factors Driving Seasonal Nitrate Variations in Surface and Underground Systems of a Karst Catchment. Vadose Zone Journal, 2018, 17, 1-10.	1.3	24
15	Ca isotope constraints on chemical weathering processes: Evidence from headwater in the Changjiang River, China. Chemical Geology, 2020, 531, 119341.	1.4	23
16	Carbon biogeochemical processes in a subtropical karst riverâ€“reservoir system. Journal of Hydrology, 2020, 591, 125590.	2.3	21
17	Sulfate sources constrained by sulfur and oxygen isotopic compositions in the upper reaches of the Xijiang River, China. Acta Geochimica, 2017, 36, 611-618.	0.7	19
18	Impacts of hydrologic variations on chemical weathering and solute sources in the Min River basin, Himalayanâ€“Tibetan region. Environmental Science and Pollution Research, 2017, 24, 19126-19137.	2.7	19

#	Article	IF	Citations
19	Modelling the sources and transport of ammonium nitrogen with the SPARROW model: A case study in a karst basin. Journal of Hydrology, 2021, 592, 125763.	2.3	19
20	CO₂emissions from karst cascade hydropower reservoirs: mechanisms and reservoir effect. Environmental Research Letters, 2021, 16, 044013.	2.2	18
21	Multiple controls on carbon dynamics in mixed karst and non-karst mountainous rivers, Southwest China, revealed by carbon isotopes (Î´13C and Î”14C). Science of the Total Environment, 2021, 791, 148347.	3.9	16
22	Hydrological regulation of chemical weathering and dissolved inorganic carbon biogeochemical processes in a monsoonal river. Hydrological Processes, 2020, 34, 2780-2792.	1.1	14
23	Seasonal variation of nitrogen biogeochemical processes constrained by nitrate dual isotopes in cascade reservoirs, Southwestern China. Environmental Science and Pollution Research, 2021, 28, 26617-26627.	2.7	14
24	Dynamics and fluxes of dissolved carbon under short-term climate variabilities in headwaters of the Changjiang River, draining the Qinghai-Tibet Plateau. Journal of Hydrology, 2021, 596, 126128.	2.3	12
25	Spatial distribution of stable isotopes in surface water on the upper Indus River basin (UIRB): Implications for moisture source and paleoelevation reconstruction. Applied Geochemistry, 2022, 136, 105137.	1.4	11
26	Calcium isotopes tracing secondary mineral formation in the high-relief Yalong River Basin, Southeast Tibetan Plateau. Science of the Total Environment, 2022, 827, 154315.	3.9	10
27	Unravelling the hydrological effects on spatiotemporal variability of water chemistry in mountainous rivers from Southwest China. Hydrological Processes, 2020, 34, 5595-5605.	1.1	8
28	Coupled effects of hydrology and temperature on temporal dynamics of dissolved carbon in the Min River, Tibetan Plateau. Journal of Hydrology, 2021, 593, 125641.	2.3	8
29	Spatial characters of nutrients in Wujiangdu Reservoir in karst river, SW China. Acta Geochimica, 2017, 36, 605-610.	0.7	4
30	Variations of trace elements under hydrological conditions in the Min River, Eastern Tibetan Plateau. Acta Geochimica, 2018, 37, 509-518.	0.7	4
31	Hydrological and biogeochemical controls on temporal variations of dissolved carbon and solutes in a karst river, South China. Environmental Sciences Europe, 2021, 33, .	2.6	4