Xiaogang Chen

List of Publications by Year
in descending order

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		759233	752698
20	662	12	20
papers	citations	h-index	g-index

20	20	20	407
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Submarine groundwater discharge impacts on coastal nutrient biogeochemistry. Nature Reviews Earth & Environment, 2021, 2, 307-323.	29.7	210
2	Submarine Groundwater Dischargeâ€Derived Carbon Fluxes in Mangroves: An Important Component of Blue Carbon Budgets?. Journal of Geophysical Research: Oceans, 2018, 123, 6962-6979.	2.6	82
3	Surface Water and Groundwater Interactions in Salt Marshes and Their Impact on Plant Ecology and Coastal Biogeochemistry. Reviews of Geophysics, 2022, 60, .	23.0	61
4	Submarine Groundwaterâ€Borne Nutrients in a Tropical Bay (Maowei Sea, China) and Their Impacts on the Oyster Aquaculture. Geochemistry, Geophysics, Geosystems, 2018, 19, 932-951.	2.5	54
5	Karstic submarine groundwater discharge into the Mediterranean: Radon-based nutrient fluxes in an anchialine cave and a basin-wide upscaling. Geochimica Et Cosmochimica Acta, 2020, 268, 467-484.	3.9	40
6	The mangrove <scp>CO₂</scp> pump: Tidally driven poreâ€water exchange. Limnology and Oceanography, 2021, 66, 1563-1577.	3.1	31
7	Bacterial-derived nutrient and carbon source-sink behaviors in a sandy beach subterranean estuary. Marine Pollution Bulletin, 2020, 160, 111570.	5.0	21
8	Poreâ€water exchange flushes blue carbon from intertidal saltmarsh sediments into the sea. Limnology and Oceanography Letters, 2022, 7, 312-320.	3.9	21
9	Rainfall drives rapid shifts in carbon and nutrient source-sink dynamics of an urbanised, mangrove-fringed estuary. Estuarine, Coastal and Shelf Science, 2021, 249, 107064.	2.1	19
10	Porewater-derived nutrient fluxes in a coastal aquifer (Shengsi Island, China) and its implication. Estuarine, Coastal and Shelf Science, 2019, 218, 204-211.	2.1	18
11	Utility of radium quartet for evaluating porewater-derived carbon to a saltmarsh nearshore water: Implications for blue carbon export. Science of the Total Environment, 2021, 764, 144238.	8.0	15
12	Alkalinity export to the ocean is a major carbon sequestration mechanism in a macrotidal saltmarsh. Limnology and Oceanography, 2022, 67, .	3.1	15
13	Hydrological, geochemical and land use drivers of greenhouse gas dynamics in eleven sub-tropical streams. Aquatic Sciences, 2021, 83, 1.	1.5	14
14	Porewater-derived dissolved inorganic carbon and nutrient fluxes in a saltmarsh of the Changjiang River Estuary. Acta Oceanologica Sinica, 2021, 40, 32-43.	1.0	12
15	Submarine groundwater discharge-driven nutrient fluxes in a typical mangrove and aquaculture bay of the Beibu Gulf, China. Marine Pollution Bulletin, 2021, 168, 112500.	5.0	11
16	Land use and episodic rainfall as drivers of nitrogen exports in subtropical rivers: Insights from Î´15N-NO3â^', Î´18O-NO3â^' and 222Rn. Science of the Total Environment, 2021, 758, 143669.	8.0	9
17	Porewater-Derived Blue Carbon Outwelling and Greenhouse Gas Emissions in a Subtropical Multi-Species Saltmarsh. Frontiers in Marine Science, 2022, 9, .	2.5	9
18	Bacterial and Archaeal Assemblages from Two Size Fractions in Submarine Groundwater Near an Industrial Zone. Water (Switzerland), 2019, 11, 1261.	2.7	7

#	Article	IF	Citations
19	Radon traced seasonal variations of water mixing and accompanying nutrient and carbon transport in the Yellow-Bohai Sea. Science of the Total Environment, 2021, 784, 147161.	8.0	7
20	Characterization of dissolved organic matter in submarine groundwater from a salt marsh in Chongming Island, China. Journal of Oceanology and Limnology, 2022, 40, 128-141.	1.3	6