

Meilian Chen

List of Publications by Citations

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33
papers

1,059
citations

18
h-index

32
g-index

39
ext. papers

1,353
ext. citations

7.1
avg, IF

4.84
L-index

#	Paper	IF	Citations
33	Comparative study of dissolved organic matter from groundwater and surface water in the Florida coastal Everglades using multi-dimensional spectrofluorometry combined with multivariate statistics. <i>Applied Geochemistry</i> , 2010 , 25, 872-880	3.5	166
32	Photo- and bio-reactivity patterns of dissolved organic matter from biomass and soil leachates and surface waters in a subtropical wetland. <i>Water Research</i> , 2014 , 61, 181-90	12.5	101
31	Dynamic exchanges between DOM and POM pools in coastal and inland aquatic ecosystems: A review. <i>Science of the Total Environment</i> , 2016 , 551-552, 415-28	10.2	93
30	Pre-treatments, characteristics, and biogeochemical dynamics of dissolved organic matter in sediments: A review. <i>Water Research</i> , 2015 , 79, 10-25	12.5	91
29	Fluorescence characteristics of size-fractionated dissolved organic matter: implications for a molecular assembly based structure?. <i>Water Research</i> , 2014 , 55, 40-51	12.5	89
28	Spatial and temporal variability of dissolved organic matter quantity and composition in an oligotrophic subtropical coastal wetland. <i>Biogeochemistry</i> , 2013 , 115, 167-183	3.8	53
27	Production of fluorescent dissolved organic matter in Arctic Ocean sediments. <i>Scientific Reports</i> , 2016 , 6, 39213	4.9	49
26	Dynamics of dissolved organic matter in riverine sediments affected by weir impoundments: Production, benthic flux, and environmental implications. <i>Water Research</i> , 2017 , 121, 150-161	12.5	44
25	Spectroscopic and molecular characterization of humic substances (HS) from soils and sediments in a watershed: comparative study of HS chemical fractions and the origins. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 16933-16945	5.1	38
24	Quantitative assessment of photo- and bio-reactivity of chromophoric and fluorescent dissolved organic matter from biomass and soil leachates and from surface waters in a subtropical wetland. <i>Biogeochemistry</i> , 2016 , 129, 273-289	3.8	33
23	Surface accumulation of low molecular weight dissolved organic matter in surface waters and horizontal off-shelf spreading of nutrients and humic-like fluorescence in the Chukchi Sea of the Arctic Ocean. <i>Science of the Total Environment</i> , 2018 , 639, 624-632	10.2	33
22	Integrated Carbon Budget Models for the Everglades Terrestrial-Coastal-Oceanic Gradient: Current Status and Needs for Inter-Site Comparisons. <i>Oceanography</i> , 2013 , 26, 98-107	2.3	32
21	Molecular diversity of riverine alkaline-extractable sediment organic matter and its linkages with spectral indicators and molecular size distributions. <i>Water Research</i> , 2016 , 100, 222-231	12.5	32
20	Effects of dissolved organic matter (DOM) sources and nature of solid extraction sorbent on recoverable DOM composition: Implication into potential lability of different compound groups. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4809-19	4.4	31
19	Structural and compositional changes of dissolved organic matter upon solid-phase extraction tracked by multiple analytical tools. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 6249-58	4.4	30
18	Tracking the monthly changes of dissolved organic matter composition in a newly constructed reservoir and its tributaries during the initial impounding period. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 1274-83	5.1	26
17	Immobilization of relic anthropogenic dissolved organic matter from alpine rivers in the Himalayan-Tibetan Plateau in winter. <i>Water Research</i> , 2019 , 160, 97-106	12.5	24

16	Effects of sampling methods on the quantity and quality of dissolved organic matter in sediment pore waters as revealed by absorption and fluorescence spectroscopy. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 14841-51	5.1	21
15	High abundance of protein-like fluorescence in the Amerasian Basin of Arctic Ocean: Potential implication of a fall phytoplankton bloom. <i>Science of the Total Environment</i> , 2017 , 599-600, 355-363	10.2	12
14	Characteristics of methanesulfonic acid, non-sea-salt sulfate and organic carbon aerosols over the Amundsen Sea, Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5405-5424	6.8	10
13	Biological early diagenesis and insolation-paced paleoproductivity signified in deep core sediment organic matter. <i>Scientific Reports</i> , 2017 , 7, 1581	4.9	10
12	Characteristics of Dissolved Organic Matter from a Transboundary Himalayan Watershed: Relationships with Land Use, Elevation, and Hydrology. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 449-456	3.2	8
11	Climatic, land cover, and anthropogenic controls on dissolved organic matter quantity and quality from major alpine rivers across the Himalayan-Tibetan Plateau. <i>Science of the Total Environment</i> , 2021 , 754, 142411	10.2	8
10	Light absorption and fluorescence characteristics of water-soluble organic compounds in carbonaceous particles at a typical remote site in the southeastern Himalayas and Tibetan Plateau. <i>Environmental Pollution</i> , 2021 , 272, 116000	9.3	6
9	Characteristics of biogenically-derived aerosols over the Amundsen Sea, Antarctica 2019 ,		4
8	Production of tyrosine-like fluorescence and labile chromophoric dissolved organic matter (DOM) and low surface accumulation of low molecular weight-dominated DOM in a productive Antarctic sea. <i>Marine Chemistry</i> , 2019 , 213, 40-48	3.7	4
7	Upwarding gas source and postgenetic processes in the shallow sediments from the ARAON Mounds, Chukchi Sea. <i>Journal of Natural Gas Science and Engineering</i> , 2020 , 76, 103223	4.6	4
6	Subsea permafrost as a potential major source of dissolved organic matter to the East Siberian Arctic Shelf. <i>Science of the Total Environment</i> , 2021 , 777, 146100	10.2	3
5	Exploring pore water biogeochemical characteristics as environmental monitoring proxies for a CO storage project in Pohang Basin, South Korea. <i>Marine Pollution Bulletin</i> , 2018 , 137, 331-338	6.7	2
4	Spectral Characterization of Dissolved Organic Matter in Seawater and Sediment Pore Water from the Arctic Fjords (West Svalbard) in Summer. <i>Water (Switzerland)</i> , 2021 , 13, 202	3	1
3	A Pulse of Meteoric Subsurface Fluid Discharging Into the Chukchi Sea During the Early Holocene Thermal Maximum (EHTM). <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2021GC009750	3.6	1
2	Source tracking of dissolved organic nitrogen at the molecular level during storm events in an agricultural watershed.. <i>Science of the Total Environment</i> , 2021 , 810, 152183	10.2	0
1	Assessing the impact of freshwater discharge on the fluid chemistry in the Svalbard fjords.. <i>Science of the Total Environment</i> , 2022 , 155516	10.2	0