

# Meilian Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,586  
citations

394286

19  
h-index

434063

31  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1663  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	1.4	202
2	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, 415-428.	3.9	153
3	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, 181-190.	5.3	141
4	Pre-treatments, characteristics, and biogeochemical dynamics of dissolved organic matter in sediments: A review. <i>Water Research</i> , 2015, 79, 10-25.	5.3	130
5	Fluorescence characteristics of size-fractionated dissolved organic matter: Implications for a molecular assembly based structure?. <i>Water Research</i> , 2014, 55, 40-51.	5.3	117
6	Production of fluorescent dissolved organic matter in Arctic Ocean sediments. <i>Scientific Reports</i> , 2016, 6, 39213.	1.6	80
7	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.	5.3	75
8	Spatial and temporal variability of dissolved organic matter quantity and composition in an oligotrophic subtropical coastal wetland. <i>Biogeochemistry</i> , 2013, 115, 167-183.	1.7	67
9	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.	3.9	63
10	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.	5.3	56
11	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.	0.5	45
12	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.	1.7	45
13	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.	2.7	45
14	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, 4809-4819.	1.9	44
15	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, 6249-6258.	1.9	42
16	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.	5.3	36
17	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, 1274-1283.	2.7	33
18	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.	3.9	22

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19	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, 14841-14851.	2.7	21
20	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.	3.9	21
21	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.	1.9	21
22	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.	3.7	19
23	Source tracking of dissolved organic nitrogen at the molecular level during storm events in an agricultural watershed. <i>Science of the Total Environment</i> , 2022, 810, 152183.	3.9	19
24	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.	0.9	17
25	Biological early diagenesis and insolation-paced paleoproductivity signified in deep core sediment organic matter. <i>Scientific Reports</i> , 2017, 7, 1581.	1.6	16
26	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.	2.1	13
27	Exploring pore water biogeochemical characteristics as environmental monitoring proxies for a CO <sub>2</sub> storage project in Pohang Basin, South Korea. <i>Marine Pollution Bulletin</i> , 2018, 137, 331-338.	2.3	10
28	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.	1.2	10
29	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.	3.9	10
30	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.	1.0	4
31	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.	1.2	2
32	Assessing the impact of freshwater discharge on the fluid chemistry in the Svalbard fjords. <i>Science of the Total Environment</i> , 2022, 835, 155516.	3.9	2
33	Impact of High Methane Flux on the Properties of Pore Fluid and Methane-Derived Authigenic Carbonate in the ARAON Mounds, Chukchi Sea. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	1
34	GEOCHEMICAL EVIDENCE FOR THE DISCHARGE OF METEORIC FLOW TO THE CHUKCHI SEA SUGGESTIVE OF A SUBSURFACE FLOW PULSE DURING THE EARLY HOLOCENE THERMAL MAXIMUM (EHTM). , 2020, , .		0