

CÃ©dric G Fichot

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,275
citations

257450

24
h-index

361022

35
g-index

39
all docs

39
docs citations

39
times ranked

3173
citing authors

#	ARTICLE	IF	CITATIONS
1	The spectral slope coefficient of chromophoric dissolved organic matter ($S_{275-295}$) as a tracer of terrigenous dissolved organic carbon in river-influenced ocean margins. <i>Limnology and Oceanography</i> , 2012, 57, 1453-1466.	3.1	352
2	A novel method to estimate DOC concentrations from CDOM absorption coefficients in coastal waters. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	210
3	Pan-Arctic distributions of continental runoff in the Arctic Ocean. <i>Scientific Reports</i> , 2013, 3, 1053.	3.3	195
4	The fate of terrigenous dissolved organic carbon in a river-influenced ocean margin. <i>Global Biogeochemical Cycles</i> , 2014, 28, 300-318.	4.9	147
5	Robust algorithm for estimating total suspended solids (TSS) in inland and nearshore coastal waters. <i>Remote Sensing of Environment</i> , 2020, 246, 111768.	11.0	122
6	Remote sensing retrievals of colored dissolved organic matter and dissolved organic carbon dynamics in North American estuaries and their margins. <i>Remote Sensing of Environment</i> , 2018, 205, 151-165.	11.0	100
7	Reviews and syntheses: Carbonyl sulfide as a multi-scale tracer for carbon and water cycles. <i>Biogeosciences</i> , 2018, 15, 3625-3657.	3.3	98
8	An approach to quantify depth-resolved marine photochemical fluxes using remote sensing: Application to carbon monoxide (CO) photoproduction. <i>Remote Sensing of Environment</i> , 2010, 114, 1363-1377.	11.0	91
9	High-Resolution Remote Sensing of Water Quality in the San Francisco Bay-Delta Estuary. <i>Environmental Science & Technology</i> , 2016, 50, 573-583.	10.0	90
10	Floodplain influence on dissolved organic matter composition and export from the Mississippi-Atchafalaya River system to the Gulf of Mexico. <i>Limnology and Oceanography</i> , 2012, 57, 1149-1160.	3.1	76
11	Dynamics and interactions of highly resolved marine plankton via automated high-frequency sampling. <i>ISME Journal</i> , 2018, 12, 2417-2432.	9.8	66
12	Linkages among fluorescent dissolved organic matter, dissolved amino acids and lignin-derived phenols in a river-influenced ocean margin. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	63
13	Dissolved organic matter composition and bioavailability reflect ecosystem productivity in the Western Arctic Ocean. <i>Biogeosciences</i> , 2012, 9, 4993-5005.	3.3	60
14	Pulsed, cross-shelf export of terrigenous dissolved organic carbon to the Gulf of Mexico. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1176-1194.	2.6	59
15	A new model for the global biogeochemical cycle of carbonyl sulfide – Part 1: Assessment of direct marine emissions with an oceanic general circulation and biogeochemistry model. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2295-2312.	4.9	55
16	Predicting Dissolved Lignin Phenol Concentrations in the Coastal Ocean from Chromophoric Dissolved Organic Matter (CDOM) Absorption Coefficients. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	50
17	Remotely estimating total suspended solids concentration in clear to extremely turbid waters using a novel semi-analytical method. <i>Remote Sensing of Environment</i> , 2021, 258, 112386.	11.0	47
18	Determining the drivers of suspended sediment dynamics in tidal marsh-influenced estuaries using high-resolution ocean color remote sensing. <i>Remote Sensing of Environment</i> , 2020, 240, 111682.	11.0	45

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19	Application of Landsat 8 for Monitoring Impacts of Wastewater Discharge on Coastal Water Quality. <i>Frontiers in Marine Science</i> , 0, 4, .	2.5	44
20	Biological hot spots and the accumulation of marine dissolved organic matter in a highly productive ocean margin. <i>Limnology and Oceanography</i> , 2016, 61, 1287-1300.	3.1	40
21	The Contribution of Methane Photoproduction to the Oceanic Methane Paradox. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088362.	4.0	35
22	Assessing change in the overturning behavior of the Laurentian Great Lakes using remotely sensed lake surface water temperatures. <i>Remote Sensing of Environment</i> , 2019, 235, 111427.	11.0	31
23	Improving the Transferability of Suspended Solid Estimation in Wetland and Deltaic Waters with an Empirical Hyperspectral Approach. <i>Remote Sensing</i> , 2019, 11, 1629.	4.0	29
24	Sources and Transformations of Dissolved Lignin Phenols and Chromophoric Dissolved Organic Matter in Otsuchi Bay, Japan. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	28
25	A unified approach to estimate land and water reflectances with uncertainties for coastal imaging spectroscopy. <i>Remote Sensing of Environment</i> , 2019, 231, 111198.	11.0	25
26	Climate change leads to a doubling of turbidity in a rapidly expanding Tibetan lake. <i>Science of the Total Environment</i> , 2019, 688, 952-959.	8.0	24
27	Dark production of carbon monoxide (CO) from dissolved organic matter in the St. Lawrence estuarine system: Implication for the global coastal and blue water CO budgets. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	21
28	Improved algorithms for accurate retrieval of UV/visible diffuse attenuation coefficients in optically complex, inshore waters. <i>Remote Sensing of Environment</i> , 2014, 144, 11-27.	11.0	16
29	Detection and Sourcing of CDOM in Urban Coastal Waters With UV-Visible Imaging Spectroscopy. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	12
30	Panâ€Arctic Distribution of Bioavailable Dissolved Organic Matter and Linkages With Productivity in Ocean Margins. <i>Geophysical Research Letters</i> , 2018, 45, 1490-1498.	4.0	10
31	Simple Method to Determine the Apparent Quantum Yield Matrix of CDOM Photobleaching in Natural Waters. <i>Environmental Science & Technology</i> , 2020, 54, 14096-14106.	10.0	10
32	Mass balance estimates of carbon export in different water masses of the Chukchi Sea shelf. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 130, 88-99.	1.4	7
33	An Improved Scheme for Correcting Remote Spectral Surface Reflectance Simultaneously for Terrestrial BRDF and Waterâ€Surface Sun glint in Coastal Environments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	3.0	5
34	Rapid shoreline flooding enhances water turbidity by sediment resuspension: An example in a large Tibetan lake. <i>Earth Surface Processes and Landforms</i> , 2020, 45, 3780-3790.	2.5	3
35	Modeling benthic solar exposure (UV and visible) in dynamic coastal systems to better inform seagrass habitat suitability. <i>Science of the Total Environment</i> , 2021, , 151481.	8.0	3
36	Underway Hyperspectral Bio-Optical Assessments of Phytoplankton Size Classes in the River-Influenced Northern Gulf of Mexico. <i>Remote Sensing</i> , 2021, 13, 3346.	4.0	1

#	ARTICLE	IF	CITATIONS
37	Keeping an Eye on Water Quality From the Sky. Frontiers for Young Minds, 0, 10, .	0.8	0