Susanne E Craig

List of Publications by Year
in descending order

21 papers	1,083 citations	567281 15 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	1713 citing authors

#	Article	IF	Citations
1	An overview of approaches and challenges for retrieving marine inherent optical properties from ocean color remote sensing. Progress in Oceanography, 2018, 160, 186-212.	3.2	257
2	Aquatic color radiometry remote sensing of coastal and inland waters: Challenges and recommendations for future satellite missions. Remote Sensing of Environment, 2015, 160, 15-30.	11.0	254
3	Use of hyperspectral remote sensing reflectance for detection and assessment of the harmful alga, Karenia brevis. Applied Optics, 2006, 45, 5414.	2.1	83
4	Metaproteomic analysis of a winter to spring succession in coastal northwest Atlantic Ocean microbial plankton. ISME Journal, 2014, 8, 1301-1313.	9.8	79
5	Regionalâ€scale effects of eutrophication on ecosystem structure and services of seagrass beds. Limnology and Oceanography, 2012, 57, 1389-1402.	3.1	72
6	Deriving optical metrics of coastal phytoplankton biomass from ocean colour. Remote Sensing of Environment, 2012, 119, 72-83.	11.0	72
7	Estimation of diffuse attenuation of ultraviolet light in optically shallow Florida Keys waters from MODIS measurements. Remote Sensing of Environment, 2014, 140, 519-532.	11.0	33
8	A Novel Statistical Approach for Ocean Colour Estimation of Inherent Optical Properties and Cyanobacteria Abundance in Optically Complex Waters. Remote Sensing, 2017, 9, 343.	4.0	29
9	150 shades of green: Using the full spectrum of remote sensing reflectance to elucidate color shifts in the ocean. Remote Sensing of Environment, 2020, 247, 111900.	11.0	29
10	Fine-scale variability in phytoplankton community structure and inherent optical properties measured from an autonomous underwater vehicle. Journal of Marine Systems, 2003, 43, 51-59.	2.1	23
11	Blooms and subsurface phytoplankton layers on the Scotian Shelf: Insights from profiling gliders. Journal of Marine Systems, 2017, 172, 118-127.	2.1	19
12	Chlorophyll-a Concentration Retrieval in the Optically Complex Waters of the St. Lawrence Estuary and Gulf Using Principal Component Analysis. Remote Sensing, 2018, 10, 265.	4.0	19
13	Curvature in models of the photosynthesisâ€irradiance response. Journal of Phycology, 2014, 50, 341-355.	2.3	18
14	Inversion of multiangular polarimetric measurements from the ACEPOL campaign: an application of improving aerosol property and hyperspectral ocean color retrievals. Atmospheric Measurement Techniques, 2020, 13, 3939-3956.	3.1	17
15	The effect of seasonality in phytoplankton community composition on CO 2 uptake on the Scotian Shelf. Journal of Marine Systems, 2015, 147, 52-60.	2.1	16
16	Semi-empirical correction algorithm for AC-9 measurements in a coccolithophore bloom. Applied Optics, 2003, 42, 4369.	2.1	15
17	Using Mass Reconstruction along a Four-Site Transect as a Method to Interpret PM10 in West-Central Scotland,United Kingdom. Journal of the Air and Waste Management Association, 2009, 59, 1429-1436.	1.9	12
18	Radiometric approach for the detection of picophytoplankton assemblages across oceanic fronts. Optics Express, 2020, 28, 25682.	3.4	12

#	Article	IF	Citations
19	A global compilation of in situ aquatic high spectral resolution inherent and apparent optical property data for remote sensing applications. Earth System Science Data, 2020, 12, 1123-1139.	9.9	12
20	Estimation of absorption and backscattering coefficients from in situ radiometric measurements: theory and validation in case II waters. Applied Optics, 2003, 42, 2804.	2.1	8
21	Hurricane Arthur and its effect on the short-term variability of <i>p</i>CO₂ on the Scotian Shelf, NW Atlantic. Biogeosciences, 2018, 15, 2111-2123.	3.3	4