

# Joseph R Crosswell

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

566  
citations

623734

14  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

932  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two decades of tropical cyclone impacts on North Carolina's estuarine carbon, nutrient and phytoplankton dynamics: implications for biogeochemical cycling and water quality in a stormier world. <i>Biogeochemistry</i> , 2018, 141, 307-332.	3.5	98
2	Electricity and biomass production in a bacteria- <i>Chlorella</i> based microbial fuel cell treating wastewater. <i>Journal of Power Sources</i> , 2017, 356, 299-309.	7.8	66
3	Application of molecular tools for microbial source tracking and public health risk assessment of a <i>Microcystis</i> bloom traversing 300km of the Klamath River. <i>Harmful Algae</i> , 2015, 46, 71-81.	4.8	54
4	Air-water CO <sub>2</sub> fluxes in the microtidal Neuse River Estuary, North Carolina. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	44
5	Carbon budget of a shallow, lagoonal estuary: Transformations and source-sink dynamics along the river-estuary-ocean continuum. <i>Limnology and Oceanography</i> , 2017, 62, S29.	3.1	43
6	Application of empirical predictive modeling using conventional and alternative fecal indicator bacteria in eastern North Carolina waters. <i>Water Research</i> , 2012, 46, 5871-5882.	11.3	37
7	Extensive CO <sub>2</sub> emissions from shallow coastal waters during passage of Hurricane Irene (August 2011) over the Mid-Atlantic Coast of the U.S.A. <i>Limnology and Oceanography</i> , 2014, 59, 1651-1665.	3.1	36
8	A multi-omics based ecological analysis of coastal marine sediments from Gladstone, in Australia's Central Queensland, and Heron Island, a nearby fringing platform reef. <i>Science of the Total Environment</i> , 2017, 609, 842-853.	8.0	29
9	Watershed-Scale Drivers of Air-Water CO <sub>2</sub> Exchanges in Two Lagoonal North Carolina (USA) Estuaries. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 271-287.	3.0	21
10	Unlocking the black-box of inorganic carbon uptake and utilization strategies among coral endosymbionts ( <i>Symbiodiniaceae</i> ). <i>Limnology and Oceanography</i> , 2020, 65, 1747-1763.	3.1	21
11	Seasonal metabolic analysis of marine sediments collected from Moreton Bay in South East Queensland, Australia, using a multi-omics-based approach. <i>Science of the Total Environment</i> , 2018, 631-632, 1328-1341.	8.0	20
12	An empirical process model to predict microalgal carbon fixation rates in photobioreactors. <i>Algal Research</i> , 2018, 31, 334-346.	4.6	17
13	Flood-driven CO <sub>2</sub> emissions from adjacent North Carolina estuaries during Hurricane Joaquin (2015). <i>Marine Chemistry</i> , 2018, 207, 1-12.	2.3	17
14	Functional analysis of pristine estuarine marine sediments. <i>Science of the Total Environment</i> , 2021, 781, 146526.	8.0	16
15	Influence of Human Activities on Broad-Scale Estuarine-Marine Habitats Using Omics-Based Approaches Applied to Marine Sediments. <i>Microorganisms</i> , 2019, 7, 419.	3.6	11
16	Dynamic variability of the phytoplankton electron requirement for carbon fixation in eastern Australian waters. <i>Journal of Marine Systems</i> , 2020, 202, 103252.	2.1	10
17	Controls on Carbon, Nutrient, and Sediment Cycling in a Large, Semiarid Estuarine System; Princess Charlotte Bay, Australia. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2019JG005049.	3.0	8
18	Omics-based ecosurveillance uncovers the influence of estuarine macrophytes on sediment microbial function and metabolic redundancy in a tropical ecosystem. <i>Science of the Total Environment</i> , 2022, 809, 151175.	8.0	8

#	ARTICLE	IF	CITATIONS
19	Wave energy alters biodiversity by shaping intraspecific traits of a habitat-forming species. <i>Oikos</i> , 2021, 130, 52-65.	2.7	5
20	Bubble Clouds in Coastal Waters and Their Role in Air-Water Gas Exchange of CO <sub>2</sub> . <i>Journal of Marine Science and Engineering</i> , 2015, 3, 866-890.	2.6	4
21	A novel membrane inlet-infrared gas analysis (MI-IRGA) system for monitoring of seawater carbonate system. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 38-53.	2.0	1
22	Establishing a regional microbial blueprint of metabolic function in sediment collected from pristine tropical estuarine systems. , 2022, , 337-357.		0