

# Michael W Lomas

## List of Publications by Year in descending order

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120  
papers

13,169  
citations

50244

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124  
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124  
docs citations

124  
times ranked

12852  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Environmental Genome Shotgun Sequencing of the Sargasso Sea. <i>Science</i> , 2004, 304, 66-74.  | 6.0  | 3,776     |
| 2  | Present and future global distributions of the marine Cyanobacteria <i>Prochlorococcus</i> and <i>Synechococcus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9824-9829. | 3.3  | 1,097     |
| 3  | Phytoplankton in the ocean use non-phosphorus lipids in response to phosphorus scarcity. <i>Nature</i> , 2009, 458, 69-72.   | 13.7 | 662       |
| 4  | Light intensity regulation of cab gene transcription is signaled by the redox state of the plastoquinone pool. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 10237-10241.       | 3.3  | 641       |
| 5  | Strong latitudinal patterns in the elemental ratios of marine plankton and organic matter. <i>Nature Geoscience</i> , 2013, 6, 279-283.  | 5.4  | 432       |
| 6  | COMPARISONS OF NITRATE UPTAKE, STORAGE, AND REDUCTION IN MARINE DIATOMS AND FLAGELLATES. <i>Journal of Phycology</i> , 2000, 36, 903-913.  | 1.0  | 296       |
| 7  | Temperature regulation of nitrate uptake: A novel hypothesis about nitrate uptake and reduction in cool-water diatoms. <i>Limnology and Oceanography</i> , 1999, 44, 556-572.  | 1.6  | 273       |
| 8  | Harmful Algal Blooms in the Chesapeake and Coastal Bays of Maryland, USA: Comparison of 1997, 1998, and 1999 Events. <i>Estuaries and Coasts</i> , 2001, 24, 875.  | 1.7  | 224       |
| 9  | Forming the primary nitrite maximum: Nitrifiers or phytoplankton?. <i>Limnology and Oceanography</i> , 2006, 51, 2453-2467.  | 1.6  | 221       |
| 10 | Total dissolved nitrogen analysis: comparisons between the persulfate, UV and high temperature oxidation methods. <i>Marine Chemistry</i> , 2000, 69, 163-178.   | 0.9  | 209       |
| 11 | Picophytoplankton biomass distribution in the global ocean. <i>Earth System Science Data</i> , 2012, 4, 37-46.   | 3.7  | 197       |
| 12 | Assimilation of upwelled nitrate by small eukaryotes in the Sargasso Sea. <i>Nature Geoscience</i> , 2011, 4, 717-722.   | 5.4  | 173       |
| 13 | Accumulation and enhanced cycling of polyphosphate by Sargasso Sea plankton in response to low phosphorus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8089-8094.            | 3.3  | 172       |
| 14 | Challenges of modeling depth-integrated marine primary productivity over multiple decades: A case study at BATS and HOT. <i>Global Biogeochemical Cycles</i> , 2010, 24, .   | 1.9  | 150       |
| 15 | Ocean time-series reveals recurring seasonal patterns of virioplankton dynamics in the northwestern Sargasso Sea. <i>ISME Journal</i> , 2012, 6, 273-284.  | 4.4  | 133       |
| 16 | Regional variation in the particulate organic carbon to nitrogen ratio in the surface ocean. <i>Global Biogeochemical Cycles</i> , 2013, 27, 723-731.  | 1.9  | 128       |
| 17 | Two decades and counting: 24-years of sustained open ocean biogeochemical measurements in the Sargasso Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 93, 16-32.                                     | 0.6  | 127       |
| 18 | Evidence for aggregation and export of cyanobacteria and nano-eukaryotes from the Sargasso Sea euphotic zone. <i>Biogeosciences</i> , 2011, 8, 203-216.  | 1.3  | 124       |

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|----|---|-----|-----------|
| 19 | Global-scale variations of the ratios of carbon to phosphorus in exported marine organic matter. <i>Nature Geoscience</i> , 2014, 7, 895-898.   | 5.4 | 123       |
| 20 | Concentrations and ratios of particulate organic carbon, nitrogen, and phosphorus in the global ocean. <i>Scientific Data</i> , 2014, 1, 140048.  | 2.4 | 120       |
| 21 | Nitrogen Uptake and Assimilation. , 2008, , 303-384.  |     | 116       |
| 22 | <i>Prochlorococcus</i> contributes to new production in the Sargasso Sea deep chlorophyll maximum. <i>Geophysical Research Letters</i> , 2007, 34, .  | 1.5 | 110       |
| 23 | Long-term increase in mesozooplankton biomass in the Sargasso Sea: Linkage to climate and implications for food web dynamics and biogeochemical cycling. <i>Global Biogeochemical Cycles</i> , 2012, 26, .  | 1.9 | 96        |
| 24 | Impact of ocean phytoplankton diversity on phosphate uptake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17540-17545.   | 3.3 | 93        |
| 25 | Phytoplankton taxon-specific orthophosphate (Pi) and ATP utilization in the western subtropical North Atlantic. <i>Aquatic Microbial Ecology</i> , 2009, 58, 31-44.   | 0.9 | 87        |
| 26 | Taxonomic variability of phosphorus stress in Sargasso Sea phytoplankton. <i>Limnology and Oceanography</i> , 2004, 49, 2303-2309.  | 1.6 | 84        |
| 27 | Biogeochemical controls of surface ocean phosphate. <i>Science Advances</i> , 2019, 5, eaax0341.  | 4.7 | 84        |
| 28 | Rare earth element association with foraminifera. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 94, 57-71.   | 1.6 | 82        |
| 29 | Polyphosphate in <i>Trichodesmium</i> from the low-phosphorus Sargasso Sea. <i>Limnology and Oceanography</i> , 2010, 55, 2161-2169.  | 1.6 | 79        |
| 30 | Effect of ocean acidification on cyanobacteria in the subtropical North Atlantic. <i>Aquatic Microbial Ecology</i> , 2012, 66, 211-222.   | 0.9 | 77        |
| 31 | Sea change: Charting the course for biogeochemical ocean time-series research in a new millennium. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 93, 2-15.  | 0.6 | 77        |
| 32 | CHARACTERIZATION OF NITROGEN UPTAKE BY NATURAL POPULATIONS OF AUREOCOCCUS ANOPHAGEFFERENS (CHRYSOPHYCEAE) AS A FUNCTION OF INCUBATION DURATION, SUBSTRATE CONCENTRATION, LIGHT, AND TEMPERATURE <sup>1</sup> . <i>Journal of Phycology</i> , 1996, 32, 907-916. | 1.0 | 76        |
| 33 | Dissolved inorganic and organic phosphorus uptake in <i>Trichodesmium</i> and the microbial community: The importance of phosphorus ester in the Sargasso Sea. <i>Limnology and Oceanography</i> , 2010, 55, 1390-1399.   | 1.6 | 73        |
| 34 | Mediation of benthic-pelagic coupling by microphytobenthos: an energy- and material-based model for initiation of blooms of <i>Aureococcus anophagefferens</i> . <i>Harmful Algae</i> , 2004, 3, 403-437.   | 2.2 | 71        |
| 35 | Changes in partitioning of carbon amongst photosynthetic pico- and nano-plankton groups in the Sargasso Sea in response to changes in the North Atlantic Oscillation. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 93, 58-70.      | 0.6 | 68        |
| 36 | Temporal and spatial dynamics of urea uptake and regeneration rates and concentrations in Chesapeake Bay. <i>Estuaries and Coasts</i> , 2002, 25, 469-482.  | 1.7 | 67        |

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|----|--|-----|-----------|
| 37 | Ambient nitrate switches the ammonium consumption pathway in the euphotic ocean. <i>Nature Communications</i> , 2018, 9, 915.  | 5.8 | 67        |
| 38 | Microbial processes and temperature in Chesapeake Bay: current relationships and potential impacts of regional warming. <i>Global Change Biology</i> , 2002, 8, 51-70.   | 4.2 | 66        |
| 39 | High Variability in Cellular Stoichiometry of Carbon, Nitrogen, and Phosphorus Within Classes of Marine Eukaryotic Phytoplankton Under Sufficient Nutrient Conditions. <i>Frontiers in Microbiology</i> , 2018, 9, 543.                                    | 1.5 | 66        |
| 40 | Potential controls on interannual partitioning of organic carbon during the winter/spring phytoplankton bloom at the Bermuda Atlantic time-series study (BATS) site. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1619-1636. | 0.6 | 65        |
| 41 | Microbial sources of intact polar diacylglycerolipids in the Western North Atlantic Ocean. <i>Organic Geochemistry</i> , 2011, 42, 803-811.  | 0.9 | 64        |
| 42 | Variation in annual production of copepods, euphausiids, and juvenile walleye pollock in the southeastern Bering Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 134, 223-234.  | 0.6 | 63        |
| 43 | Phosphate and adenosine triphosphate uptake by cyanobacteria and heterotrophic bacteria in the Sargasso Sea. <i>Limnology and Oceanography</i> , 2011, 56, 323-332.  | 1.6 | 58        |
| 44 | Biogeochemical responses to late-winter storms in the Sargasso Sea, II: Increased rates of biogenic silica production and export. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 861-874.                                      | 0.6 | 57        |
| 45 | Putative sponge biomarkers in unicellular Rhizaria question an early rise of animals. <i>Nature Ecology and Evolution</i> , 2019, 3, 577-581.  | 3.4 | 57        |
| 46 | Decoupling of net community and export production on submesoscales in the Sargasso Sea. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1266-1282.   | 1.9 | 56        |
| 47 | Parallel phylogeography of <i>Prochlorococcus</i> and <i>Synechococcus</i> . <i>ISME Journal</i> , 2019, 13, 430-441.  | 4.4 | 55        |
| 48 | Phosphorus cycling in the Sargasso Sea: Investigation using the oxygen isotopic composition of phosphate, enzyme-labeled fluorescence, and turnover times. <i>Global Biogeochemical Cycles</i> , 2013, 27, 375-387.  | 1.9 | 51        |
| 49 | Seasonal distribution of dissolved inorganic carbon and net community production on the Bering Sea shelf. <i>Biogeosciences</i> , 2010, 7, 1769-1787.  | 1.3 | 47        |
| 50 | Mesozooplankton grazing during spring sea-ice conditions in the eastern Bering Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 134, 157-172.  | 0.6 | 47        |
| 51 | Nutrient supply controls particulate elemental concentrations and ratios in the low latitude eastern Indian Ocean. <i>Nature Communications</i> , 2018, 9, 4868.   | 5.8 | 47        |
| 52 | Seasonal POC fluxes at BATS estimated from <sup>210</sup> Po deficits. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 113-124.   | 0.6 | 45        |
| 53 | The counterintuitive effect of summer-fall mixed layer deepening on eukaryotic new production in the Sargasso Sea. <i>Global Biogeochemical Cycles</i> , 2014, 28, 86-102.   | 1.9 | 45        |
| 54 | The MAREDAT global database of high performance liquid chromatography marine pigment measurements. <i>Earth System Science Data</i> , 2013, 5, 109-123.  | 3.7 | 44        |

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|----|---|-----|-----------|
| 55 | Plankton community composition, organic carbon and thorium-234 particle size distributions, and particle export in the Sargasso Sea. <i>Journal of Marine Research</i> , 2009, 67, 845-868.   | 0.3 | 43        |
| 56 | A Framework for a Marine Biodiversity Observing Network Within Changing Continental Shelf Seascapes. <i>Oceanography</i> , 2014, 27, 18-23.   | 0.5 | 43        |
| 57 | Inorganic and Organic Nitrogen Use by Phytoplankton Along Chesapeake Bay, Measured Using a Flow Cytometric Sorting Approach. <i>Estuaries and Coasts</i> , 2010, 33, 971-984.   | 1.0 | 41        |
| 58 | Phytoplankton responses to atmospheric metal deposition in the coastal and open-ocean Sargasso Sea. <i>Frontiers in Microbiology</i> , 2012, 3, 359.  | 1.5 | 41        |
| 59 | DNA-based molecular fingerprinting of eukaryotic protists and cyanobacteria contributing to sinking particle flux at the Bermuda Atlantic time-series study. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013, 93, 71-83. | 0.6 | 41        |
| 60 | Influence of nutrient utilization and remineralization stoichiometry on phytoplankton species and carbon export: A modeling study at BATS. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 73-107.                     | 0.6 | 40        |
| 61 | Biogenic silica at the Bermuda Atlantic Time-series Study site in the Sargasso Sea: Temporal changes and their inferred controls based on a 15-year record. <i>Global Biogeochemical Cycles</i> , 2009, 23, .                                     | 1.9 | 39        |
| 62 | Stimulation of the brown tide organism, <i>Aureococcus anophagefferens</i> , by selective nutrient additions to in situ mesocosms. <i>Harmful Algae</i> , 2004, 3, 377-388.   | 2.2 | 38        |
| 63 | C : N : P stoichiometry at the Bermuda Atlantic Time-series Study station in the North Atlantic Ocean. <i>Biogeosciences</i> , 2015, 12, 6389-6403.   | 1.3 | 37        |
| 64 | A nutrient limitation mosaic in the eastern tropical Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 166, 125-140.  | 0.6 | 36        |
| 65 | How Does Climate Change Affect the Bering Sea Ecosystem?. <i>Eos</i> , 2010, 91, 457-458.   | 0.1 | 34        |
| 66 | Cross-basin differences in particulate organic carbon export and flux attenuation in the subtropical North Atlantic gyre. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2010, 57, 213-227.                                     | 0.6 | 34        |
| 67 | Vertical decoupling of nitrate assimilation and nitrification in the Sargasso Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 103, 64-72.   | 0.6 | 34        |
| 68 | A new time series of particle export from neutrally buoyant sediments traps at the Bermuda Atlantic Time-series Study site. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 72, 34-47.                                     | 0.6 | 33        |
| 69 | Linking regional shifts in microbial genome adaptation with surface ocean biogeochemistry. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190254.   | 1.8 | 33        |
| 70 | Enhanced Solubility and Ecological Impact of Atmospheric Phosphorus Deposition upon Extended Seawater Exposure. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10438-10446.  | 4.6 | 32        |
| 71 | Clade and strain specific contributions of <i>Synechococcus</i> and <i>Prochlorococcus</i> to carbon export in the Sargasso Sea. <i>Limnology and Oceanography</i> , 2018, 63, S448.  | 1.6 | 32        |
| 72 | Pumped Up by the Cold: Elemental Quotas and Stoichiometry of Cold-Water Diatoms. <i>Frontiers in Marine Science</i> , 2019, 6, .  | 1.2 | 32        |

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|----|--|-----|-----------|
| 73 | Biogeochemical responses to late-winter storms in the Sargasso Sea. IV. Rapid succession of major phytoplankton groups. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 892-908.  | 0.6 | 30        |
| 74 | Use of Flow Cytometry to Measure Biogeochemical Rates and Processes in the Ocean. Annual Review of Marine Science, 2011, 3, 537-566.   | 5.1 | 30        |
| 75 | Revisiting N <sub>2</sub> fixation in the North Atlantic Ocean: Significance of deviations from the Redfield Ratio, atmospheric deposition and climate variability. Deep-Sea Research Part II: Topical Studies in Oceanography, 2013, 93, 148-158.                 | 0.6 | 30        |
| 76 | Microzooplankton: Abundance, biomass and contribution to chlorophyll in the Eastern Bering Sea in summer. Deep-Sea Research Part II: Topical Studies in Oceanography, 2014, 109, 134-144.  | 0.6 | 30        |
| 77 | The U.S. Culture Collection Network Responding to the Requirements of the Nagoya Protocol on Access and Benefit Sharing. MBio, 2017, 8, .  | 1.8 | 30        |
| 78 | Picoheterotroph (&lt;i>Bacteria&lt;/i> and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (&lt;i>Ar<br>Science Data, 2012, 4, 101-106.  | 3.7 | 30        |
| 79 | Interannual variability of <i>Aureococcus anophagefferens</i> in Quantuck Bay, Long Island: natural test of the DON hypothesis. Harmful Algae, 2004, 3, 389-402.   | 2.2 | 29        |
| 80 | Biogeochemical responses to late-winter storms in the Sargasso Sea, lâ€™Pulses of primary and new production. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 843-860.  | 0.6 | 28        |
| 81 | Phosphonate utilization by eukaryotic phytoplankton. Limnology and Oceanography Letters, 2019, 4, 18-24.   | 1.6 | 28        |
| 82 | Carbon and nitrogen productivity during spring in the oligotrophic Indian Ocean along the GO-SHIP IO9N transect. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 161, 81-91.   | 0.6 | 27        |
| 83 | Machine learning identifies a strong association between warming and reduced primary productivity in an oligotrophic ocean gyre. Scientific Reports, 2020, 10, 3287.   | 1.6 | 27        |
| 84 | Abundance and diversity of heterotrophic bacterial cells assimilating phosphate in the subtropical North Atlantic Ocean. Environmental Microbiology, 2010, 12, 2773-2782.  | 1.8 | 26        |
| 85 | Nitrogen isotopic response of prokaryotic and eukaryotic phytoplankton to nitrate availability in Sargasso Sea surface waters. Limnology and Oceanography, 2014, 59, 972-985.  | 1.6 | 26        |
| 86 | Production, dissolution, accumulation, and potential export of biogenic silica in a Sargasso Sea mode-water eddy. Limnology and Oceanography, 2010, 55, 569-579.   | 1.6 | 25        |
| 87 | Seasonal decoupling of particulate organic carbon export and net primary production in relation to sea-ice at the shelf break of the eastern Bering Sea: Implications for off-shelf carbon export. Journal of Geophysical Research: Oceans, 2013, 118, 5504-5522.  | 1.0 | 25        |
| 88 | Stoichiometry of <i>Prochlorococcus, Synechococcus</i>, and small eukaryotic populations in the western North Atlantic Ocean. Environmental Microbiology, 2017, 19, 1568-1583.   | 1.8 | 25        |
| 89 | Direct comparison of <sup>210</sup> Po, <sup>234</sup> Th and POC particle-size distributions and export fluxes at the Bermuda Atlantic Time-series Study (BATS) site. Journal of Environmental Radioactivity, 2011, 102, 479-489.                                 | 0.9 | 24        |
| 90 | Biogeochemical responses to late-winter storms in the Sargasso Sea, III lâ€™Estimates of export production using <sup>234</sup> Th: <sup>238</sup> U disequilibria and sediment traps. Deep-Sea Research Part I: Oceanographic Research Papers, 2009, 56, 875-891. | 0.6 | 23        |

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|-----|--|-----|-----------|
| 91  | Seasonal and long-term changes in elemental concentrations and ratios of marine particulate organic matter. <i>Global Biogeochemical Cycles</i> , 2016, 30, 1699-1711.   | 1.9 | 23        |
| 92  | Adaptive carbon export response to warming in the Sargasso Sea. <i>Nature Communications</i> , 2022, 13, 1211.   | 5.8 | 23        |
| 93  | Mesoscale and sub-mesoscale variability in phytoplankton community composition in the Sargasso Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 110, 106-122.                               | 0.6 | 22        |
| 94  | Subtle biogeochemical regimes in the Indian Ocean revealed by spatial and diel frequency of <i>Prochlorococcus</i> haplotypes. <i>Limnology and Oceanography</i> , 2020, 65, S220.                                     | 1.6 | 22        |
| 95  | Seasonal changes in water quality and Sargassum biomass in southwest Australia. <i>Marine Ecology - Progress Series</i> , 2016, 551, 63-79.  | 0.9 | 22        |
| 96  | Influence of growth rate on the physiological response of marine <i>Synechococcus</i> to phosphate limitation. <i>Frontiers in Microbiology</i> , 2015, 6, 85.   | 1.5 | 20        |
| 97  | Decadal variability in the oxygen inventory of North Atlantic subtropical underwater captured by sustained, long-term oceanographic time series observations. <i>Global Biogeochemical Cycles</i> , 2016, 30, 460-478. | 1.9 | 18        |
| 98  | Growth on ATP Elicits a P-Stress Response in the Picoeukaryote <i>Micromonas pusilla</i> . <i>PLoS ONE</i> , 2016, 11, e0155158.   | 1.1 | 17        |
| 99  | Varying influence of phytoplankton biodiversity and stoichiometric plasticity on bulk particulate stoichiometry across ocean basins. <i>Communications Earth &amp; Environment</i> , 2021, 2, .                        | 2.6 | 17        |
| 100 | Integrated assessment of the carbon budget in the southeastern Bering Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2014, 109, 112-124.   | 0.6 | 15        |
| 101 | Marine phytoplankton resilience may moderate oligotrophic ecosystem responses and biogeochemical feedbacks to climate change. <i>Limnology and Oceanography</i> , 2022, 67, .  | 1.6 | 15        |
| 102 | Forecasting community reassembly using climate-linked spatio-temporal ecosystem models. <i>Ecography</i> , 2021, 44, 612-625.  | 2.1 | 14        |
| 103 | Genomic adaptation of marine phytoplankton populations regulates phosphate uptake. <i>Limnology and Oceanography</i> , 2020, 65, S340.   | 1.6 | 13        |
| 104 | Long-term variability of phytoplankton carbon biomass in the Sargasso Sea. <i>Global Biogeochemical Cycles</i> , 2014, 28, 825-841.  | 1.9 | 12        |
| 105 | Development and Bias Assessment of a Method for Targeted Metagenomic Sequencing of Marine Cyanobacteria. <i>Applied and Environmental Microbiology</i> , 2014, 80, 1116-1125.  | 1.4 | 12        |
| 106 | Understanding Diatoms' Past and Future Biogeochemical Role in High-Latitude Seas. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085602.   | 1.5 | 12        |
| 107 | Radiometric approach for the detection of picophytoplankton assemblages across oceanic fronts. <i>Optics Express</i> , 2020, 28, 25682.  | 1.7 | 12        |
| 108 | Spring plankton dynamics in the Eastern Bering Sea, 1971-2050: Mechanisms of interannual variability diagnosed with a numerical model. <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1476-1501.          | 1.0 | 11        |



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| 109 | Satellite-derived estimates of primary production during the Sargasso Sea winter/spring bloom: Integration of in-situ time-series data and ocean color remote sensing observations. <i>Regional Studies in Marine Science</i> , 2016, 3, 131-143.                   | 0.4 | 11        |
| 110 | Reply to: Sources of C30 steroid biomarkers in Neoproterozoic Cambrian rocks and oils. <i>Nature Ecology and Evolution</i> , 2020, 4, 37-39.  | 3.4 | 10        |
| 111 | Seasonal and geographic variations in modeled primary production and phytoplankton losses from the mixed layer between warm and cold years on the eastern Bering Sea shelf. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 134, 141-156. | 0.6 | 9         |
| 112 | Extraction of Photosynthesis Parameters from Time Series Measurements of In Situ Production: Bermuda Atlantic Time-Series Study. <i>Remote Sensing</i> , 2018, 10, 915.   | 1.8 | 9         |
| 113 | Linking the distribution of 210Po and 210Pb with plankton community along Line P, Northeast Subarctic Pacific. <i>Journal of Environmental Radioactivity</i> , 2014, 138, 390-401.  | 0.9 | 8         |
| 114 | Size-fractionated biomass and primary productivity of Sargasso Sea phytoplankton. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 156, 103141.   | 0.6 | 7         |
| 115 | Nutrient and phytoplankton dynamics on the inner shelf of the eastern Bering Sea. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 2422-2440.  | 1.0 | 6         |
| 116 | Spatiotemporal variability of the nitrogen deficit in bottom waters on the eastern Bering Sea shelf. <i>Continental Shelf Research</i> , 2021, 224, 104423.   | 0.9 | 4         |
| 117 | Diatom growth, biogenic silica production, and grazing losses to microzooplankton during spring in the northern Bering and Chukchi Seas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2021, 191-192, 104950.                                 | 0.6 | 3         |
| 118 | <i>Microalgal Systematics</i> . , 2018, , 73-107.   |     | 2         |
| 119 | Drawdown of Atmospheric pCO <sub>2</sub> Via Variable Particle Flux Stoichiometry in the Ocean Twilight Zone. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094924.  | 1.5 | 2         |
| 120 | Exploring long-term trends in marine ecosystems: machine-learning approaches to global change biology. , 2021, , .  |     | 0         |