

Michael R Landry

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

115
papers

7,101
citations

42
h-index

83
g-index

123
ext. papers

8,269
ext. citations

4.1
avg, IF

5.89
L-index

#	Paper	IF	Citations
115	Microbial communities associated with sinking particles across an environmental gradient from coastal upwelling to the oligotrophic ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2022 , 179, 103668	2.5	0
114	Dynamic change in an ocean desert: Microbial diversity and trophic transfer along the 110 °E meridional in the Indian Ocean. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022 , 105097 ²⁻³	2.3	0
113	Lateral advection supports nitrogen export in the oligotrophic open-ocean Gulf of Mexico. <i>Nature Communications</i> , 2021 , 12, 3325	17.4	3
112	Relating sinking and suspended microbial communities in the California Current Ecosystem: digestion resistance and the contributions of phytoplankton taxa to export. <i>Environmental Microbiology</i> , 2021 , 23, 6734-6748	5.2	1
111	Lagrangian Studies of Marine Production: A Multimethod Assessment of Productivity Relationships in the California Current Ecosystem Upwelling Region. <i>Journal of Geophysical Research: Oceans</i> , 2020 , 125, e2019JC015984	3.3	4
110	Errors associated with compound-specific $\delta^{15}N$ analysis of amino acids in preserved fish samples purified by high-pressure liquid chromatography. <i>Limnology and Oceanography: Methods</i> , 2020 , 18, 259-270	2.6	4
109	Quantifying spatiotemporal variability in zooplankton dynamics in the Gulf of Mexico with a physicalBiogeochemical model. <i>Biogeosciences</i> , 2020 , 17, 3385-3407	4.6	6
108	Grazing control and iron limitation of primary production in the Arabian Sea: Implications for anticipated shifts in Southwest Monsoon intensity. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020 , 179, 104687	2.3	3
107	The Carbon:234Thorium ratios of sinking particles in the California current ecosystem 1: relationships with plankton ecosystem dynamics. <i>Marine Chemistry</i> , 2019 , 212, 1-15	3.7	14
106	The unique ecological role of pyrosomes in the Eastern Tropical Pacific. <i>Limnology and Oceanography</i> , 2019 , 64, 728-743	4.8	13
105	The Importance of Mesozooplankton Diel Vertical Migration for Sustaining a Mesopelagic Food Web. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	13
104	Climate sensitivities and uncertainties in food-web pathways supporting larval bluefin tuna in subtropical oligotrophic oceans. <i>ICES Journal of Marine Science</i> , 2019 , 76, 359-369	2.7	11
103	Community Trait Distribution Across Environmental Gradients. <i>Ecosystems</i> , 2019 , 22, 968-980	3.9	5
102	High contribution of Rhizaria (Radiolaria) to vertical export in the California Current Ecosystem revealed by DNA metabarcoding. <i>ISME Journal</i> , 2019 , 13, 964-976	11.9	24
101	Environmental Effects on Mesozooplankton Size Structure and Export Flux at Station ALOHA, North Pacific Subtropical Gyre. <i>Global Biogeochemical Cycles</i> , 2018 , 32, 289-305	5.9	7
100	Nitrogen and Isotope Flows Through the Costa Rica Dome Upwelling Ecosystem: The Crucial Mesozooplankton Role in Export Flux. <i>Global Biogeochemical Cycles</i> , 2018 , 32, 1815-1832	5.9	14
99	Mesoscale ocean fronts enhance carbon export due to gravitational sinking and subduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 1252-1257	11.5	85

98	Zooplankton and the Ocean Carbon Cycle. <i>Annual Review of Marine Science</i> , 2017 , 9, 413-444	15.4	282
97	Recovering growth and grazing rates from nonlinear dilution experiments. <i>Limnology and Oceanography</i> , 2017 , 62, 1825-1835	4.8	8
96	Alanine $\delta^{15}\text{N}$ trophic fractionation in heterotrophic protists. <i>Limnology and Oceanography</i> , 2017 , 62, 2308-2322	4.8	29
95	Protistan microzooplankton and the trophic position of tuna: quantifying the trophic link between micro- and mesozooplankton in marine foodwebs. <i>ICES Journal of Marine Science</i> , 2017 , 74, 1885-1892	2.7	21
94	A Cryptic Marine Ciliate Feeds on Progametes of <i>Noctiluca scintillans</i> . <i>Protist</i> , 2017 , 168, 1-11	2.5	4
93	Net biogenic silica production and the contribution of diatoms to new production and organic matter export in the Costa Rica Dome ecosystem. <i>Journal of Plankton Research</i> , 2016 , 38, 216-229	2.2	12
92	Patterns of microbial community biomass, composition and HPLC diagnostic pigments in the Costa Rica upwelling dome. <i>Journal of Plankton Research</i> , 2016 , 38, 183-198	2.2	20
91	Phytoplankton growth and microzooplankton grazing dynamics across vertical environmental gradients determined by transplant dilution experiments. <i>Journal of Plankton Research</i> , 2016 , 38, 271-289 ²	2.2	11
90	Phytoplankton production and grazing balances in the Costa Rica Dome. <i>Journal of Plankton Research</i> , 2016 , 38, 366-379	2.2	26
89	Technical comment on Boersma et al. (2016) Temperature driven changes in the diet preference of omnivorous copepods: no more meat when it's hot? <i>Ecology Letters</i> , 19, 45-53. <i>Ecology Letters</i> , 2016 , 19, 1389-1391	10	4
88	Responses of Phytoplankton Communities to Environmental Variability in the East China Sea. <i>Ecosystems</i> , 2016 , 19, 832-849	3.9	62
87	The biological pump in the Costa Rica Dome: an open-ocean upwelling system with high new production and low export. <i>Journal of Plankton Research</i> , 2016 , 38, 348-365	2.2	27
86	Plankton dynamics and biogeochemical fluxes in the Costa Rica Dome: introduction to the CRD Flux and Zinc Experiments. <i>Journal of Plankton Research</i> , 2016 , 38, 167-182	2.2	22
85	Preferential depletion of zinc within Costa Rica upwelling dome creates conditions for zinc co-limitation of primary production. <i>Journal of Plankton Research</i> , 2016 , 38, 244-255	2.2	17
84	Biomass and composition of protistan grazers and heterotrophic bacteria in the Costa Rica Dome during summer 2010. <i>Journal of Plankton Research</i> , 2016 , 38, 230-243	2.2	7
83	Biological response of Costa Rica Dome phytoplankton to Light, Silicic acid and Trace metals. <i>Journal of Plankton Research</i> , 2016 , 38, 290-304	2.2	5
82	Phytoplankton production and taxon-specific growth rates in the Costa Rica Dome. <i>Journal of Plankton Research</i> , 2016 , 38, 199-215	2.2	25
81	Mesozooplankton biomass and grazing in the Costa Rica Dome: amplifying variability through the plankton food web. <i>Journal of Plankton Research</i> , 2016 , 38, 317-330	2.2	25

80	Microbial eukaryotic distributions and diversity patterns in a deep-sea methane seep ecosystem. <i>Environmental Microbiology</i> , 2016 , 18, 3022-43	5.2	25
79	Environmental drivers of mesozooplankton biomass variability in the North Pacific Subtropical Gyre. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016 , 121, 3131-3143	3.7	11
78	Factors affecting Fe and Zn contents of mesozooplankton from the Costa Rica Dome. <i>Journal of Plankton Research</i> , 2016 , 38, 331-347	2.2	5
77	Microplankton trace element contents: implications for mineral limitation of mesozooplankton in an HNLC area. <i>Journal of Plankton Research</i> , 2016 , 38, 256-270	2.2	9
76	Grazer and viral impacts on microbial growth and mortality in the southern California Current Ecosystem. <i>Journal of Plankton Research</i> , 2015 , 37, 320-336	2.2	37
75	Temporal and spatial patterns of microbial community biomass and composition in the Southern California Current Ecosystem. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015 , 112, 117-128	2.3	23
74	Enhanced silica ballasting from iron stress sustains carbon export in a frontal zone within the California Current. <i>Journal of Geophysical Research: Oceans</i> , 2015 , 120, 4654-4669	3.3	42
73	Variability in diatom contributions to biomass, organic matter production and export across a frontal gradient in the California Current Ecosystem. <i>Journal of Geophysical Research: Oceans</i> , 2015 , 120, 1032-1047	3.3	33
72	A slide preparation technique for light microscopy analysis of ciliates preserved in acid Lugol's fixative. <i>Limnology and Oceanography: Methods</i> , 2014 , 12, 54-62	2.6	4
71	Fine spatial structure of genetically distinct picocyanobacterial populations across environmental gradients in the Costa Rica Dome. <i>Limnology and Oceanography</i> , 2014 , 59, 705-723	4.8	19
70	Isotopic invisibility of protozoan trophic steps in marine food webs. <i>Limnology and Oceanography</i> , 2014 , 59, 1590-1598	4.8	60
69	The role of <i>Synechococcus</i> in vertical flux in the Costa Rica upwelling dome. <i>Progress in Oceanography</i> , 2013 , 112-113, 49-59	3.8	38
68	Temporal dynamics of phytoplankton and heterotrophic protists at station ALOHA. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2013 , 93, 44-57	2.3	32
67	Environmental perturbation effects on baseline $\delta^{15}N$ values and zooplankton trophic flexibility in the southern California Current Ecosystem. <i>Limnology and Oceanography</i> , 2013 , 58, 624-634	4.8	43
66	Ecological Transitions in a Coastal Upwelling Ecosystem. <i>Oceanography</i> , 2013 , 26, 210-219	2.3	30
65	Do inverse ecosystem models accurately reconstruct plankton trophic flows? Comparing two solution methods using field data from the California Current. <i>Journal of Marine Systems</i> , 2012 , 91, 20-33	2.7	22
64	Laser fluorescence analysis of phytoplankton across a frontal zone in the California Current ecosystem. <i>Journal of Plankton Research</i> , 2012 , 34, 761-777	2.2	24
63	Pelagic community responses to a deep-water front in the California Current Ecosystem: overview of the A-Front Study. <i>Journal of Plankton Research</i> , 2012 , 34, 739-748	2.2	57

62	Does warming enhance the effect of microzooplankton grazing on marine phytoplankton in the ocean?. <i>Limnology and Oceanography</i> , 2012 , 57, 519-526	4.8	97
61	Estimating size-dependent growth and grazing rates and their associated errors using the dilution method. <i>Limnology and Oceanography: Methods</i> , 2012 , 10, 868-881	2.6	4
60	Co-limitation of diatoms by iron and silicic acid in the equatorial Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011 , 58, 493-511	2.3	69
59	Broad scale patterns in mesozooplankton biomass and grazing in the eastern equatorial Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011 , 58, 387-399	2.3	25
58	Phytoplankton growth, grazing and production balances in the HNLC equatorial Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011 , 58, 524-535	2.3	73
57	Spatial patterns of nitrogen uptake and phytoplankton in the equatorial upwelling zone (110°W-140°W) during 2004 and 2005. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011 , 58, 417-433	2.3	25
56	Spatially-resolved taxon-specific phytoplankton production and grazing dynamics in relation to iron distributions in the Equatorial Pacific between 110 and 140°W. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011 , 58, 358-377	2.3	46
55	Nanoplankton mixotrophy in the eastern equatorial Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011 , 58, 378-386	2.3	29
54	Biomass, size structure and depth distributions of the microbial community in the eastern equatorial Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2011 , 58, 342-357	2.3	47
53	Trophic cycling and carbon export relationships in the California Current Ecosystem. <i>Limnology and Oceanography</i> , 2011 , 56, 1866-1878	4.8	44
52	IMBIZO II: JGOFS MEETS GLOBEC IN CRETE. <i>Limnology and Oceanography Bulletin</i> , 2010 , 19, 82-83	0.9	
51	Density estimation of plankton size spectra: a reanalysis of IronEx II data. <i>Journal of Plankton Research</i> , 2010 , 32, 1167-1184	2.2	34
50	Picoplankton dynamics during contrasting seasonal oceanographic conditions at a coastal upwelling station off Northern Baja California, Mexico. <i>Journal of Plankton Research</i> , 2010 , 32, 539-557	2.2	25
49	Modeling phytoplankton growth rates and chlorophyll to carbon ratios in California coastal and pelagic ecosystems. <i>Journal of Geophysical Research</i> , 2010 , 115,		61
48	The effects of biogenic silica detritus, zooplankton grazing, and diatom size structure on silicon cycling in the euphotic zone of the eastern equatorial Pacific. <i>Limnology and Oceanography</i> , 2010 , 55, 2608-2622	4.8	25
47	Contribution of picophytoplankton to carbon export in the equatorial Pacific: A reassessment of food web flux inferences from inverse models. <i>Limnology and Oceanography</i> , 2010 , 55, 2669-2685	4.8	23
46	Quantification of zooplankton trophic position in the North Pacific Subtropical Gyre using stable nitrogen isotopes. <i>Limnology and Oceanography</i> , 2009 , 54, 50-61	4.8	146
45	Lagrangian studies of phytoplankton growth and grazing relationships in a coastal upwelling ecosystem off Southern California. <i>Progress in Oceanography</i> , 2009 , 83, 208-216	3.8	129

44	Grazing Processes and Secondary Production in the Arabian Sea: A Simple Food Web Synthesis with Measurement Constraints. <i>Geophysical Monograph Series</i> , 2009 , 133-146	1.1	5
43	Close coupling between phytoplankton growth and microzooplankton grazing in the western South China Sea. <i>Limnology and Oceanography</i> , 2009 , 54, 1084-1097	4.8	74
42	Mesozooplankton biomass and grazing responses to Cyclone Opal, a subtropical mesoscale eddy. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008 , 55, 1378-1388	2.3	52
41	Depth-stratified phytoplankton dynamics in Cyclone Opal, a subtropical mesoscale eddy. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008 , 55, 1348-1359	2.3	88
40	Diatoms in the desert: Plankton community response to a mesoscale eddy in the subtropical North Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2008 , 55, 1321-1333	2.3	96
39	Mesoscale eddies drive increased silica export in the subtropical Pacific Ocean. <i>Science</i> , 2007 , 316, 1017-1021	3.3	199
38	Synthesis of iron fertilization experiments: From the Iron Age in the Age of Enlightenment. <i>Journal of Geophysical Research</i> , 2005 , 110,		458
37	Microbial community composition and growth rates in the NW Pacific during spring 2002. <i>Geochemistry, Geophysics, Geosystems</i> , 2005 , 6, n/a-n/a	3.6	13
36	A 9-year increasing trend in mesozooplankton biomass at the Hawaii Ocean Time-series Station ALOHA. <i>ICES Journal of Marine Science</i> , 2004 , 61, 457-463	2.7	29
35	Phytoplankton growth, microzooplankton grazing, and carbon cycling in marine systems. <i>Limnology and Oceanography</i> , 2004 , 49, 51-57	4.8	687
34	Microzooplankton production in the oceans. <i>ICES Journal of Marine Science</i> , 2004 , 61, 501-507	2.7	127
33	Microbial community abundance and biomass along a 180° transect in the equatorial Pacific during an El Niño-Southern Oscillation cold phase. <i>Journal of Geophysical Research</i> , 2003 , 108,		35
32	EBENE: A JGOFS investigation of plankton variability and trophic interactions in the equatorial Pacific (180°). <i>Journal of Geophysical Research</i> , 2003 , 108,		29
31	Microbial absorption and backscattering coefficients from in situ and POLDER satellite data during an El Niño-Southern Oscillation cold phase in the equatorial Pacific (180°). <i>Journal of Geophysical Research</i> , 2003 , 108,		15
30	Phytoplankton growth and microzooplankton grazing in high-nutrient, low-chlorophyll waters of the equatorial Pacific: Community and taxon-specific rate assessments from pigment and flow cytometric analyses. <i>Journal of Geophysical Research</i> , 2003 , 108,		47
29	Primary production, new production, and growth rate in the equatorial Pacific: Changes from mesotrophic to oligotrophic regime. <i>Journal of Geophysical Research</i> , 2003 , 108,		42
28	Diel dynamics of chlorophylls in high-nutrient, low-chlorophyll waters of the equatorial Pacific (180°): Interactions of growth, grazing, physiological responses, and mixing. <i>Journal of Geophysical Research</i> , 2003 , 108,		29
27	Integrating classical and microbial food web concepts: evolving views from the open-ocean tropical Pacific. <i>Hydrobiologia</i> , 2002 , 480, 29-39	2.4	42

26	Seasonal dynamics of phytoplankton in the Antarctic Polar Front region at 170°W. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002 , 49, 1843-1865	2.3	67
25	Microbial community structure and variability in the tropical Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002 , 49, 2669-2693	2.3	67
24	Seasonal patterns of mesozooplankton abundance and biomass at Station ALOHA. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001 , 48, 2037-2061	2.3	65
23	Active export of carbon and nitrogen at Station ALOHA by diel migrant zooplankton. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2001 , 48, 2083-2103	2.3	110
22	Carbon cycling in primary production bottle incubations: inferences from grazing experiments and photosynthetic studies using and in the Arabian Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 1339-1352	2.3	75
21	Microbial food web structure in the Arabian Sea: a US JGOFS study. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2000 , 47, 1387-1422	2.3	158
20	Picophytoplankton dynamics and production in the Arabian Sea during the 1995 Southwest Monsoon. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1999 , 46, 1745-1768	2.3	58
19	Feeding selection of heterotrophic marine nanoflagellates based on the surface hydrophobicity of their picoplankton prey. <i>Limnology and Oceanography</i> , 1999 , 44, 1917-1927	4.8	72
18	Mesozooplankton influences on the microbial food web: Direct and indirect trophic interactions in the oligotrophic open ocean. <i>Limnology and Oceanography</i> , 1999 , 44, 1370-1380	4.8	150
17	Spatial patterns in phytoplankton growth and microzooplankton grazing in the Arabian Sea during monsoon forcing. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1998 , 45, 2353-2368	2.3	131
16	Iron and grazing constraints on primary production in the central equatorial Pacific: An EqPac synthesis. <i>Limnology and Oceanography</i> , 1997 , 42, 405-418	4.8	285
15	Pigment specific growth and grazing rates of phytoplankton in the central equatorial Pacific. <i>Limnology and Oceanography</i> , 1997 , 42, 289-298	4.8	67
14	A massive phytoplankton bloom induced by an ecosystem-scale iron fertilization experiment in the equatorial Pacific Ocean. <i>Nature</i> , 1996 , 383, 495 - 501	50.4	1199
13	Microzooplankton grazing in the central equatorial Pacific during February and August, 1992. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995 , 42, 657-671	2.3	138
12	Flow cytometric analysis of marine bacteria with hoechst 33342. <i>Applied and Environmental Microbiology</i> , 1993 , 59, 905-11	4.8	122
11	Particulate flux in the water column overlying Santa Monica Basin. <i>Progress in Oceanography</i> , 1992 , 30, 167-195	3.8	13
10	Low temperature sensitivity of picophytoplankton P/B ratios and growth rates across a natural 10°C temperature gradient in the oligotrophic Indian Ocean. <i>Limnology and Oceanography Letters</i> ,	7.9	1
9	Predicting primary production in the southern California Current Ecosystem from chlorophyll, nutrient concentrations, and irradiance		1

8	The Importance of Mesozooplankton Diel Vertical Migration for Sustaining a Mesopelagic Food Web		1
7	Phytoplankton community composition and biomass in the oligotrophic Gulf of Mexico. <i>Journal of Plankton Research</i> ,	2.2	2
6	Mesozooplankton biomass, grazing and trophic structure in the bluefin tuna spawning area of the oceanic Gulf of Mexico. <i>Journal of Plankton Research</i> ,	2.2	4
5	Taxon-specific phytoplankton growth, nutrient utilization and light limitation in the oligotrophic Gulf of Mexico. <i>Journal of Plankton Research</i> ,	2.2	3
4	Microbial food web dynamics in the oceanic Gulf of Mexico. <i>Journal of Plankton Research</i> ,	2.2	2
3	Plankton food webs in the oligotrophic Gulf of Mexico spawning grounds of Atlantic bluefin tuna. <i>Journal of Plankton Research</i> ,	2.2	2
2	Active prey selection in developing larvae of Atlantic bluefin tuna (<i>Thunnus thynnus</i>) in spawning grounds of the Gulf of Mexico. <i>Journal of Plankton Research</i> ,	2.2	1
1	Sinking carbon, nitrogen, and pigment flux within and beneath the euphotic zone in the oligotrophic, open-ocean Gulf of Mexico. <i>Journal of Plankton Research</i> ,	2.2	2