Mark D Ohman

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.

134 5,923 45 72 g-index

142 7,142 4.4 6.15 ext. papers ext. citations avg, IF L-index

#	Paper	IF	Citations
134	Euphausiid spatial displacements and habitat shifts in the southern California Current System in response to El Nið variability. <i>Progress in Oceanography</i> , 2021 , 193, 102544	3.8	2
133	Time lags: insights from the U.S. Long Term Ecological Research Network. <i>Ecosphere</i> , 2021 , 12, e03431	3.1	2
132	On the sensitivity of plankton ecosystem models to the formulation of zooplankton grazing. <i>PLoS ONE</i> , 2021 , 16, e0252033	3.7	3
131	Cross-Shore Flow and Implications for Carbon Export in the California Current Ecosystem: A Lagrangian Analysis. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2020JC016611	3.3	3
130	The California Undercurrent as a Source of Upwelled Waters in a Coastal Filament. <i>Journal of Geophysical Research: Oceans</i> , 2021 , 126, e2020JC016602	3.3	2
129	Zooglider-measured association of zooplankton with the fine-scale vertical prey field. <i>Limnology and Oceanography</i> , 2021 , 66, 3811	4.8	0
128	Errors associated with compound-specific \$\mathbb{1}\$5N analysis of amino acids in preserved fish samples purified by high-pressure liquid chromatography. Limnology and Oceanography: Methods, 2020 , 18, 259-	276	4
127	Vertical niche definition of test-bearing protists (Rhizaria) into the twilight zone revealed by in situ imaging. <i>Limnology and Oceanography</i> , 2020 , 65, 2583-2602	4.8	11
126	Timing is everything: Drivers of interannual variability in blue whale migration. <i>Scientific Reports</i> , 2020 , 10, 7710	4.9	22
125	A comparison between Zooglider and shipboard net and acoustic mesozooplankton sensing systems. <i>Journal of Plankton Research</i> , 2019 , 41, 521-533	2.2	7
124	Improving plankton image classification using context metadata. <i>Limnology and Oceanography: Methods</i> , 2019 , 17, 439-461	2.6	24
123	Multidecadal increase in plastic particles in coastal ocean sediments. Science Advances, 2019, 5, eaax058	374.3	114
122	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
121	Globally Consistent Quantitative Observations of Planktonic Ecosystems. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	88
120	Frontogenesis and the Creation of Fine-Scale Vertical Phytoplankton Structure. <i>Journal of Geophysical Research: Oceans</i> , 2019 , 124, 1509-1523	3.3	7
119	Effects of chemical preservation on bulk and amino acid isotope ratios of zooplankton, fish, and squid tissues. <i>Rapid Communications in Mass Spectrometry</i> , 2019 , 33, 935-945	2.2	13
118	The Roles of Suspension-Feeding and Flux-Feeding Zooplankton as Gatekeepers of Particle Flux Into the Mesopelagic Ocean in the Northeast Pacific. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	13

117	The Importance of Mesozooplankton Diel Vertical Migration for Sustaining a Mesopelagic Food Web. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	13	
116	Biogeochemical Anomalies at Two Southern California Current System Moorings During the 2014 2 016 Warm Anomaly-El Ni ö Sequence. <i>Journal of Geophysical Research: Oceans</i> , 2019 , 124, 6886-6	90³³³	5	
115	A sea of tentacles: optically discernible traits resolved from planktonic organisms in situ. <i>ICES Journal of Marine Science</i> , 2019 , 76, 1959-1972	2.7	11	
114	Investigating Particle Size-Flux Relationships and the Biological Pump Across a Range of Plankton Ecosystem States From Coastal to Oligotrophic. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	9	
113	Zooglider-Based Measurements of Planktonic Foraminifera in the California Current System. Journal of Foraminiferal Research, 2019 , 49, 390-404	1.1	7	
112	Community Trait Distribution Across Environmental Gradients. <i>Ecosystems</i> , 2019 , 22, 968-980	3.9	5	
111	Zooglider: An autonomous vehicle for optical and acoustic sensing of zooplankton. <i>Limnology and Oceanography: Methods</i> , 2019 , 17, 69-86	2.6	47	
110	The euphausiid prey field for blue whales around a steep bathymetric feature in the southern California current system. <i>Limnology and Oceanography</i> , 2019 , 64, 390-405	4.8	5	
109	CCE V: Primary production, mesozooplankton grazing, and the biological pump in the California Current Ecosystem: Variability and response to El Niö. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 140, 52-62	2.5	25	
108	Large Phaeodaria in the twilight zone: Their role in the carbon cycle. <i>Limnology and Oceanography</i> , 2018 , 63, 2579-2594	4.8	23	
107	CCEIII: Persistent functional relationships between copepod egg production rates and food concentration through anomalously warm conditions in the California Current Ecosystem. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018 , 140, 26-35	2.5	11	
106	CCE IV: El Ni\(\textit{\B}\)-related zooplankton variability in the southern California Current System. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018 , 140, 36-51	2.5	23	
105	CCE1: Decrease in the frequency of oceanic fronts and surface chlorophyll concentration in the California Current System during the 2014\(\bar{D}\)016 northeast Pacific warm anomalies. \(\bar{D}\)eep-Sea Research Part I: Oceanographic Research Papers, \(\bar{D}\)018, 140, 4-13	2.5	23	
104	Predation on Planktonic Protists Assessed by Immunochemical Assays 2018 , 731-737			
103	Climate-mediated changes in marine ecosystem regulation during El NiB. <i>Global Change Biology</i> , 2018 , 24, 796-809	11.4	15	
102	The morphology of euphausiid mandibles used to assess selective predation by blue whales in the southern sector of the California Current System. <i>Journal of Crustacean Biology</i> , 2018 , 38, 563-573	0.8	16	
101	Introduction to collection of papers on the response of the southern California Current Ecosystem to the Warm Anomaly and El Niö, 2014ll6. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018 , 140, 1-3	2.5	5	
100	The Significance of Giant Phaeodarians (Rhizaria) to Biogenic Silica Export in the California Current Ecosystem. <i>Global Biogeochemical Cycles</i> , 2018 , 32, 987-1004	5.9	20	

99	Mesoscale ocean fronts enhance carbon export due to gravitational sinking and subduction. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1252-1257	11.5	85
98	Long-term aging and degradation of microplastic particles: Comparing in situ oceanic and experimental weathering patterns. <i>Marine Pollution Bulletin</i> , 2016 , 110, 299-308	6.7	243
97	Resilience and stability of a pelagic marine ecosystem. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	25
96	Nonlinear effects of body size and optical attenuation on Diel Vertical Migration by zooplankton. Limnology and Oceanography, 2016 , 61, 765-770	4.8	45
95	Climate Ecosystem change off southern California: Time-dependent seabird predator Prey numerical responses. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015 , 112, 158-170	2.3	19
94	Covariability of zooplankton gradients with glider-detected density fronts in the Southern California Current System. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015 , 112, 79-90	2.3	41
93	Using Lagrangian-based process studies to test satellite algorithms of vertical carbon flux in the eastern North Pacific Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2015 , 120, 7208-7222	3.3	30
92	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
91	Quantifying California current plankton samples with efficient machine learning techniques 2015,		9
90	Changes in zooplankton habitat, behavior, and acoustic scattering characteristics across glider-resolved fronts in the Southern California Current System. <i>Progress in Oceanography</i> , 2015 , 134, 77-92	3.8	23
89	Introduction to CCE-LTER: Responses of the California Current Ecosystem to climate forcing. Deep-Sea Research Part II: Topical Studies in Oceanography, 2015 , 112, 1-5	2.3	10
88	Changes in pteropod distributions and shell dissolution across a frontal system in the California Current System. <i>Marine Ecology - Progress Series</i> , 2015 , 523, 93-103	2.6	53
87	Dynamic variability of biogeochemical ratios in the Southern California Current System. <i>Geophysical Research Letters</i> , 2014 , 41, 2496-2501	4.9	22
86	Large salp bloom export from the upper ocean and benthic community response in the abyssal northeast Pacific: Day to week resolution. <i>Limnology and Oceanography</i> , 2014 , 59, 745-757	4.8	67
85	Epipelagic and mesopelagic fishes in the southern California Current System: Ecological interactions and oceanographic influences on their abundance. <i>Journal of Marine Systems</i> , 2014 , 138, 20-28	2.7	22
84	Contributions of mesozooplankton to vertical carbon export in a coastal upwelling system. <i>Marine Ecology - Progress Series</i> , 2013 , 491, 47-65	2.6	62
83	Cross-shore transport variability in the California Current: Ekman upwelling vs. eddy dynamics. <i>Progress in Oceanography</i> , 2013 , 109, 78-89	3.8	39
82	Development of Thysanopoda egregia (Euphausiacea) furciliae and early juvenile. <i>Journal of Crustacean Biology</i> , 2013 , 33, 244-252	0.8	1

(2011-2013)

81	A double-integration hypothesis to explain ocean ecosystem response to climate forcing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2496-9	11.5	97
80	Trait-based approaches to zooplankton communities. <i>Journal of Plankton Research</i> , 2013 , 35, 473-484	2.2	201
79	Climate Impacts on Zooplankton Population Dynamics in Coastal Marine Ecosystems. <i>Oceanography</i> , 2013 , 26, 34-51	2.3	15
78	Ecological Transitions in a Coastal Upwelling Ecosystem. <i>Oceanography</i> , 2013 , 26, 210-219	2.3	30
77	Autonomous Ocean Measurements in the California Current Ecosystem. <i>Oceanography</i> , 2013 , 26, 18-25	2.3	34
76	Synthesis of Pacific Ocean Climate and Ecosystem Dynamics. <i>Oceanography</i> , 2013 , 26, 68-81	2.3	110
75	Estimation of mortality for stage-structured zooplankton populations: What is to be done?. <i>Journal of Marine Systems</i> , 2012 , 93, 4-10	2.7	26
74	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, 20-3	3 .7	22
73	Modeling the effects of coastal wind- and windstress curl-driven upwellings on plankton dynamics in the Southern California current system. <i>Journal of Marine Systems</i> , 2012 , 94, 107-119	2.7	15
72	Mesozooplankton and particulate matter responses to a deep-water frontal system in the southern California Current System. <i>Journal of Plankton Research</i> , 2012 , 34, 815-827	2.2	70
71	Use of glider-class acoustic Doppler profilers for estimating zooplankton biomass. <i>Journal of Plankton Research</i> , 2012 , 34, 563-568	2.2	20
70	Multi-decadal variations in stable N isotopes of California Current zooplankton. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012 , 60, 46-55	2.5	23
69	Enhanced nitrate fluxes and biological processes at a frontal zone in the southern California current system. <i>Journal of Plankton Research</i> , 2012 , 34, 790-801	2.2	47
68	Mystery behind Hitchcocks birds. <i>Nature Geoscience</i> , 2012 , 5, 2-3	18.3	27
67	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
66	Robust empirical relationships for estimating the carbonate system in the southern California Current System and application to CalCOFI hydrographic cruise data (2005\(\bar{\pi}\)011). <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		77
65	Underwater gliders reveal rapid arrival of El Nië effects off California's coast. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	49
64	Analysis of abrupt transitions in ecological systems. <i>Ecosphere</i> , 2011 , 2, art129	3.1	196

63	Digital zooplankton image analysis using the ZooScan integrated system. <i>Journal of Plankton Research</i> , 2010 , 32, 285-303	2.2	280
62	Integrated molecular and morphological biogeography of the calanoid copepod family Eucalanidae. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2010 , 57, 2110-2129	2.3	20
61	Body size dependence of euphausiid spatial patchiness. Limnology and Oceanography, 2010, 55, 777-788	34.8	5
60	Body size dependence of euphausiid spatial patchiness 2010 , 55, 777		15
59	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
58	Multi-decadal variations in calcareous holozooplankton in the California Current System: Thecosome pteropods, heteropods, and foraminifera. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	18
57	Multi-decadal shoaling of the euphotic zone in the southern sector of the California Current System. <i>Limnology and Oceanography</i> , 2009 , 54, 1272-1281	4.8	43
56	Multi-decadal variations in calcareous holozooplankton in the California Current System: Thecosome pteropods, heteropods, and foraminifera. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	2
55	Spatial differences in mortality of Calanus pacificus within the California Current System. <i>Journal of Plankton Research</i> , 2008 , 30, 359-366	2.2	23
54	Glider surveillance of physics and biology in the southern California Current System. <i>Limnology and Oceanography</i> , 2008 , 53, 2151-2168	4.8	91
53	Relationship of predation potential to mortality of Calanus finmarchicus on Georges Bank, northwest Atlantic. <i>Limnology and Oceanography</i> , 2008 , 53, 1643-1655	4.8	23
52	AQUATIC RESEARCH IN THE U.S. LTER NETWORK. Limnology and Oceanography Bulletin, 2008 , 17, 74-79	0.9	7
51	Coherence of long-term variations of zooplankton in two sectors of the California Current System. <i>Progress in Oceanography</i> , 2007 , 75, 42-69	3.8	127
50	Optical effect on the nitracline in a coastal upwelling area. <i>Limnology and Oceanography</i> , 2007 , 52, 1179	-4.887	19
49	Planktonic foraminifera of the California Current reflect 20th-century warming. Science, 2006, 311, 63-6	33.3	135
48	Zooplankton anomalies in the California Current system before and during the warm ocean conditions of 2005. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	79
47	Planktivorous auklet Ptychoramphus aleuticus responses to ocean climate, 2005: Unusual atmospheric blocking?. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	126
46	Biological responses to environmental forcing: the linear tracking window hypothesis. <i>Ecology</i> , 2006 , 87, 1932-8	4.6	56

(1998-2006)

45	Composition and potential grazing impact of salp assemblages off Baja California during the 1997?1999 El NiB and La NiB. <i>Marine Ecology - Progress Series</i> , 2006 , 318, 123-140	2.6	18
44	A comparative study of Calanus finmarchicus mortality patterns at five localities in the North Atlantic. <i>ICES Journal of Marine Science</i> , 2004 , 61, 687-697	2.7	58
43	Stage-specific mortality of Calanus finmarchicus, Pseudocalanus elongatus and Oithona similis on Fladen Ground, North Sea, during a spring bloom. <i>Marine Ecology - Progress Series</i> , 2004 , 268, 183-193	2.6	79
42	Linking nitrogen dynamics to climate variability off central California: a 51 year record based on 15N/14N in CalCOFI zooplankton. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003 , 50, 2431-2447	2.3	56
41	Long-term changes in pelagic tunicates of the California Current. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2003 , 50, 2473-2498	2.3	78
40	Interannual variation in phytoplankton blooms and zooplankton productivity and abundance in the Gulf of Maine during winter. <i>Marine Ecology - Progress Series</i> , 2003 , 254, 81-100	2.6	64
39	CalCOFI in a Changing Ocean. <i>Oceanography</i> , 2003 , 16, 76-85	2.3	43
38	On birth and death in the sea. <i>Hydrobiologia</i> , 2002 , 480, 55-68	2.4	68
37	Stage-specific mortality of Calanus spp. under different predation regimes. <i>Limnology and Oceanography</i> , 2002 , 47, 636-645	4.8	79
36	The GLOBEC Northeast Pacific California Current System Program. <i>Oceanography</i> , 2002 , 15, 36-47	2.3	49
35	Density-dependent mortality in an oceanic copepod population. <i>Nature</i> , 2001 , 412, 638-41	50.4	175
34	Size-dependent visual predation risk and the timing of vertical migration in zooplankton. <i>Limnology and Oceanography</i> , 2000 , 45, 1838-1844	4.8	48
33	A free-drifting mimic of vertically migrating zooplankton. <i>Journal of Plankton Research</i> , 1999 , 21, 1865-	1 <u>8.7</u> 25	4
32	Egg-brooding, body size and predation risk in planktonic marine copepods. <i>Oecologia</i> , 1999 , 121, 426-43	3 1 .9	10
31	Sonar estimates of daytime activity levels of Euphausia pacifica in Saanich Inlet. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999 , 56, 2000-2010	2.4	12
30	Egg strings in Euchirella pseudopulchra (Aetideidae) and comments on constraints on egg brooding in planktonic marine copepods. <i>Journal of Marine Systems</i> , 1998 , 15, 61-69	2.7	16
29	OASIS in the sea: Measurement of the acoustic reflectivity of zooplankton with concurrent optical imaging. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1998 , 45, 1239-1253	2.3	27
28	Differential dormancy of co-occurring copepods. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1998 , 45, 1709-1740	2.3	51

27	Advection and zooplankton fitness. Sarsia, 1998, 83, 87-93		28
26	On the determination of zooplankton lipid content and the occurrence of gelatinous copepods. Journal of Plankton Research, 1997 , 19, 1235-1250	2.2	24
25	Estimation techniques used in studies of copepod population dynamics [A review of underlying assumptions. <i>Sarsia</i> , 1997 , 82, 279-296		72
24	A vertical life table approach to zooplankton mortality estimation. <i>Limnology and Oceanography</i> , 1996 , 41, 1461-1469	4.8	59
23	Mortality estimation for planktonic copepods: Pseudocalanus newmani in a temperate fjord. Limnology and Oceanography, 1996 , 41, 126-135	4.8	35
22	Astaxanthin in Calanus pacificus: Assessment of pigment-based measures of omnivory. <i>Limnology and Oceanography</i> , 1996 , 41, 1198-1207	4.8	14
21	The interrelationship of copepod fecundity and mortality. Limnology and Oceanography, 1996, 41, 1470	-144877	19
20	Freezing and storage of copepod samples for the analysis of lipids. <i>Marine Ecology - Progress Series</i> , 1996 , 130, 295-298	2.6	25
19	The inevitability of mortality. ICES Journal of Marine Science, 1995, 52, 517-522	2.7	30
18	Sustained fecundity when phytoplankton resources are in short supply: Omnivory by Calanus finmarchicus in the Gulf of St. Lawrence. <i>Limnology and Oceanography</i> , 1994 , 39, 21-36	4.8	157
17	Immunochemical recognition of oligotrich ciliates. <i>Marine Biology</i> , 1992 , 114, 653-660	2.5	5
16	Growth kinetics of the omnivorous oligotrich ciliate Strombidium sp. <i>Limnology and Oceanography</i> , 1991 , 36, 922-935	4.8	62
15	Immunochemical Detection of Predation on Ciliate Protists by Larvae of the Northern Anchovy (Engraulis mordax). <i>Biological Bulletin</i> , 1991 , 181, 500-504	1.5	39
14	Description of a New Species of Strombidinopsidae (Ciliophora: Choreotrichida) from Coastal Waters of Southern California, U.S.A <i>Transactions of the American Microscopical Society</i> , 1991 , 110, 237		16
13	The Demographic Benefits of Diel Vertical Migration by Zooplankton. <i>Ecological Monographs</i> , 1990 , 60, 257-281	9	228
12	Seasonal growth and lipid storage of the circumglobal, subantarctic copepod, Neocalanus tonsus (Brady). <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1989 , 36, 1309-1326		11
11	Larval morphology and development of Neocalanus tonsus, Calanoides macrocarinatus, and Calanus australis (Copepoda: Calanoida) in the laboratory. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1988 , 22, 301-320	1.3	17
10	Sources of variability in measurements of copepod lipids and gut fluorescence in the California Current coastal zone. <i>Marine Ecology - Progress Series</i> , 1988 , 42, 143-153	2.6	28

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9	Energy sources for recruitment of the subantarctic copepod Neocalanus tonsus1. <i>Limnology and Oceanography</i> , 1987 , 32, 1317-1330	4.8	36
8	Predator-limited population growth of the copepod Pseudocalanus sp <i>Journal of Plankton Research</i> , 1986 , 8, 673-713	2.2	66
7	Omnivory by Euphausia pacifica: the role of copepod prey. <i>Marine Ecology - Progress Series</i> , 1984 , 19, 125-131	2.6	58
6	Reverse diel vertical migration: an escape from invertebrate predators. <i>Science</i> , 1983 , 220, 1404-7	33.3	199
5	Size fractionation of phytoplankton as an estimate of food available to herbivores1. <i>Limnology and Oceanography</i> , 1982 , 27, 570-576	4.8	18
4	A multivariate analysis of planktonic interactions in the eastern tropical North Pacific. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1982 , 29, 1451-1469		4
3	The Importance of Mesozooplankton Diel Vertical Migration for Sustaining a Mesopelagic Food Web		1
2	Recommendations for interpreting zooplankton metabarcoding and integrating molecular methods with morphological analyses. <i>ICES Journal of Marine Science</i> ,	2.7	1
1	Fear and loathing in the pelagic: How the seascape of fear impacts the biological carbon pump. Limnology and Oceanography,	4.8	О