

# Emilio Beier

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

1,454  
citations

257357

24  
h-index

345118

36  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eddies and dipoles around South Madagascar: formation, pathways and large-scale impact. Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 383-400.	0.6	145
2	A Numerical Investigation of the Annual Variability in the Gulf of California. Journal of Physical Oceanography, 1997, 27, 615-632.	0.7	84
3	Water Masses and Circulation in the Tropical Pacific off Central Mexico and Surrounding Areas. Journal of Physical Oceanography, 2016, 46, 3069-3081.	0.7	77
4	Seasonal and interannual variability of satellite-derived chlorophyll pigment, surface height, and temperature off Baja California. Journal of Geophysical Research, 2004, 109, .	3.3	73
5	On the summer poleward coastal current off SW MÃ©xico. Geophysical Research Letters, 2006, 33, .	1.5	64
6	Satellite-derived variability in chlorophyll, wind stress, sea surface height, and temperature in the northern California Current System. Journal of Geophysical Research, 2008, 113, .	3.3	52
7	Effects of the 2013-2016 warm anomalies on the California Current phytoplankton. Deep-Sea Research Part II: Topical Studies in Oceanography, 2018, 151, 64-76.	0.6	49
8	The Effect of the Seasonal Variation of Stratification on the Circulation of the Northern Gulf of California. Journal of Physical Oceanography, 2002, 32, 705-728.	0.7	45
9	A kinematic analysis of the Indian/Atlantic interocean exchange. Deep-Sea Research Part II: Topical Studies in Oceanography, 2003, 50, 229-249.	0.6	45
10	Large-Scale Forcing of the Agulhas Variability: The Seasonal Cycle. Journal of Physical Oceanography, 2002, 32, 1228-1241.	0.7	40
11	SST, thermohaline structure, and circulation in the southern Gulf of California in June 2004 during the North American Monsoon Experiment. Journal of Geophysical Research, 2009, 114, .	3.3	39
12	The mechanisms involved in defining the northern boundary of the shallow oxygen minimum zone in the eastern tropical Pacific Ocean off Mexico. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 76, 1-12.	0.6	38
13	Hydrographic and fish larvae distribution during the "Godzilla El NiÃ±o 2015"2016" in the northern end of the shallow oxygen minimum zone of the Eastern Tropical Pacific Ocean. Journal of Geophysical Research: Oceans, 2017, 122, 2156-2170.	1.0	38
14	Seasonal Gyres in the Northern Gulf of California. Journal of Physical Oceanography, 1999, 29, 305-311.	0.7	37
15	Larval fish assemblages and geostrophic circulation in BahÃ­a de La Paz and the surrounding southwestern region of the Gulf of California. Journal of Plankton Research, 2006, 28, 1081-1098.	0.8	37
16	Surface circulation in the Gulf of California in summer from surface drifters and satellite images (2004"2006). Journal of Geophysical Research: Oceans, 2014, 119, 4278-4290.	1.0	35
17	Detectability and categorization of California sea lions using an unmanned aerial vehicle. Marine Mammal Science, 2017, 33, 913-925.	0.9	33
18	Mesoscale eddies in the southern Gulf of California during summer: Characteristics and interaction with the wind stress. Journal of Geophysical Research: Oceans, 2013, 118, 1367-1381.	1.0	32

#	ARTICLE	IF	CITATIONS
19	Seasonal changes in connectivity routes among larval fish assemblages in a semi-enclosed sea (Gulf of Tj ETQq1 1 0.784314 rgBT /Over	0.8	29
20	Effect of the oxygen minimum zone on the second chlorophyll maximum. <i>Ciencias Marinas</i> , 2009, 35, 389-403.	0.4	29
21	Air-sea CO <sub>2</sub> fluxes above the stratified oxygen minimum zone in the coastal region off Mexico. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 2923-2937.	1.0	28
22	Freshwater exchanges and surface salinity in the Colombian basin, Caribbean Sea. <i>PLoS ONE</i> , 2017, 12, e0182116.	1.1	27
23	Larval fish assemblages and circulation in the Eastern Tropical Pacific in Autumn and Winter. <i>Journal of Plankton Research</i> , 2010, 32, 397-410.	0.8	26
24	Sea surface temperature variability in the Colombian Basin, Caribbean Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2012, 64, 43-53.	0.6	25
25	Influence of post-El Niño oceanographic processes in the dynamics of the CO <sub>2</sub> system in the Gulf of Tehuantepec, Mexico. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7752-7770.	1.0	25
26	Three-dimensional distribution of larval fish habitats in the shallow oxygen minimum zone in the eastern tropical Pacific Ocean off Mexico. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 101, 118-129.	0.6	23
27	Inferring Cetacean Population Densities from the Absolute Dynamic Topography of the Ocean in a Hierarchical Bayesian Framework. <i>PLoS ONE</i> , 2015, 10, e0120727.	1.1	22
28	Paralarvae of the complex <i>Sthenoteuthis oualaniensis</i> - <i>Dosidicus gigas</i> (Cephalopoda) in the Pacific Ocean (April 2012). <i>Journal of Geophysical Research: Oceans</i> , 2016, 121, 1998-2015.	1.0	22
29	Anatomy and evolution of a cyclonic mesoscale eddy observed in the northeastern Pacific tropical-subtropical transition zone. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5931-5950.	1.0	21
30	Role of environmental seasonality in the turnover of a cetacean community in the southwestern Gulf of California. <i>Marine Ecology - Progress Series</i> , 2013, 487, 245-260.	0.9	20
31	The demographic decline of a sea lion population followed multi-decadal sea surface warming. <i>Scientific Reports</i> , 2020, 10, 10499.	1.6	19
32	Role of circulation scales and water mass distributions on larval fish habitats in the Eastern Tropical Pacific off Mexico. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 3987-4002.	1.0	18
33	Ventilation of the Upper Oxygen Minimum Zone in the Coastal Region Off Mexico: Implications of El Niño 2015-2016. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	15
34	Effects of mesoscale processes on phytoplankton chlorophyll off Baja California. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
35	Larval Fish Habitats and Deoxygenation in the Northern Limit of the Oxygen Minimum Zone off Mexico. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 9690-9705.	1.0	13
36	Morphological and biochemical differentiation in Antarctic krill. <i>Journal of Marine Systems</i> , 2009, 78, 525-535.	0.9	12

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37	Effects of mesoscale structures on the distribution of cephalopod paralarvae in the Gulf of California and adjacent Pacific. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2018, 131, 62-74.	0.6	12
38	The seasonal variability of the circulation in the South Indian Ocean: Model and observations. <i>Journal of Marine Systems</i> , 2008, 74, 315-328.	0.9	11
39	Ecological patterns, distribution and population structure of <i>Prionace glauca</i> (Chondrichthyes) in the Gulf of California. <i>Environmental Research</i> , 2011, 73, 37-52.	1.1	11
40	A suboxic chlorophyll-a maximum persists within the Pacific oxygen minimum zone off Mexico. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 169-170, 104686.	0.6	11
41	Oceanic and atmospheric impact of central American cold surges ( Nortes ) in the Gulf of Mexico. <i>International Journal of Climatology</i> , 2021, 41, E1450.	1.5	10
42	Vertical distribution of calanoid copepods in a mature cyclonic eddy in the Gulf of California. <i>Crustaceana</i> , 2018, 91, 63-84.	0.1	9
43	Effects of Geostrophic Kinetic Energy on the Distribution of Mesopelagic Fish Larvae in the Southern Gulf of California in Summer/Fall Stratified Seasons. <i>PLoS ONE</i> , 2016, 11, e0164900.	1.1	7
44	Water masses and larval fish habitats in the Pacific tropical-subtropical convergence off Mexico. <i>Continental Shelf Research</i> , 2021, 230, 104575.	0.9	7
45	On the Advection of Upwelled Water on the Western Yucatan Shelf. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	6
46	Surface Salinity Balance in the Tropical Pacific Off Mexico. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5763-5776.	1.0	5
47	Distribution of calanoid copepods across the mesoscale frontal zone of tropical-subtropical convergence off Mexico. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 169-170, 104678.	0.6	4
48	Ommastrephid squid paralarvae distribution and transport under contrasting interannual conditions in the tropical-subtropical convergence off Mexico. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2020, 160, 103259.	0.6	4
49	Ommastrephid squid paralarvae potential nursery habitat in the tropical-subtropical convergence off Mexico. <i>Progress in Oceanography</i> , 2022, 202, 102762.	1.5	4
50	Efectos de un remolino de mesoescala sobre la distribución de larvas de peces mesopelágicos en el Golfo de California. <i>Revista De Biología Marina Y Oceanografía</i> , 2015, 50, 575-582.	0.1	2