

Eric Desmond Barton

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,986
citations

279798
23
h-index

243625
44
g-index

47
all docs

47
docs citations

47
times ranked

2040
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-regional ecosystem variability in the Canary Current upwelling. Progress in Oceanography, 2009, 83, 33-48.	3.2	317
2	Development, persistence, and variability of upwelling filaments off the Atlantic coast of the Iberian Peninsula. Journal of Geophysical Research, 1993, 98, 22681-22692.	3.3	194
3	The Guajira upwelling system. Continental Shelf Research, 2005, 25, 1003-1022.	1.8	112
4	Offshore wind forcing in the Gulf of Tehuantepec, Mexico: The asymmetric circulation. Journal of Geophysical Research, 1995, 100, 20649.	3.3	107
5	Eddy development and motion in the Caribbean Sea. Journal of Geophysical Research, 2000, 105, 26191-26201.	3.3	103
6	Spatial patterns of wind and sea surface temperature in the Galician upwelling region. Journal of Geophysical Research, 2003, 108, .	3.3	101
7	Variability in the Canary Islands area of filament-eddy exchanges. Progress in Oceanography, 2004, 62, 71-94.	3.2	90
8	Lee region of Gran Canaria. Journal of Geophysical Research, 2000, 105, 17173-17193.	3.3	85
9	Temporal variation observed in the hydrographic regime near Cabo Corveiro in the northwest African upwelling region, February to April 1974. Deep-sea Research, 1977, 24, 7-23.	0.5	84
10	Evidence for an eastward flow along the Central and South American Caribbean Coast. Journal of Geophysical Research, 2003, 108, .	3.3	77
11	Water Masses and Circulation in the Tropical Pacific off Central Mexico and Surrounding Areas. Journal of Physical Oceanography, 2016, 46, 3069-3081.	1.7	77
12	A separated jet and coastal counterflow during upwelling relaxation off Cape S�o Vicente (Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.8	75
13	Upwelling filaments off Cap Blanc: Interaction of the NW African upwelling current and the Cape Verde frontal zone eddy field?. Journal of Geophysical Research, 2012, 117, .	3.3	55
14	Distribution and transport of organic matter along a filament-eddy system in the Canaries â€“ NW Africa coastal transition zone region. Progress in Oceanography, 2004, 62, 115-129.	3.2	39
15	Hydrographic and fish larvae distribution during the â€œGodzilla El Ni�o 2015â€“2016â€“in the northern end of the shallow oxygen minimum zone of the <scp>E</scp>astern <scp>T</scp>ropical <scp>P</scp>acific <scp>O</scp>cean. Journal of Geophysical Research: Oceans, 2017, 122, 2156-2170.	2.6	38
16	Oceanographic processes shape genetic signatures of planktonic cephalopod paralarvae in two upwelling regions. Progress in Oceanography, 2019, 170, 11-27.	3.2	34
17	Anatomy of a subtropical intrathermocline eddy. Deep-Sea Research Part I: Oceanographic Research Papers, 2017, 124, 126-139.	1.4	31
18	Freshwater exchanges and surface salinity in the Colombian basin, Caribbean Sea. PLoS ONE, 2017, 12, e0182116.	2.5	27

#	ARTICLE	IF	CITATIONS
19	Sea surface temperature variability in the Colombian Basin, Caribbean Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2012, 64, 43-53.	1.4	25
20	Rapid response to coastal upwelling in a semienclosed bay. Geophysical Research Letters, 2017, 44, 2388-2397.	4.0	25
21	Surface water subduction during a downwelling event in a semienclosed bay. Journal of Geophysical Research: Oceans, 2016, 121, 7088-7107.	2.6	24
22	The physical structure of an upwelling filament off the North-West African coast during August 1993. African Journal of Marine Science, 1998, 19, 61-73.	0.6	23
23	Three-dimensional distribution of larval fish habitats in the shallow oxygen minimum zone in the eastern tropical Pacific Ocean off Mexico. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 101, 118-129.	1.4	23
24	Paralarvae of the complex <i>Sthenoteuthis oualaniensis</i> (Cephalopoda) in the Pacific Ocean (April 2012). Journal of Geophysical Research: Oceans, 2016, 121, 1998-2015.	2.6	22
25	Larval fish habitats in a mesoscale dipole eddy in the gulf of California. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 103, 1-12.	1.4	21
26	Role of circulation scales and water mass distributions on larval fish habitats in the Eastern Tropical Pacific off Mexico. Journal of Geophysical Research: Oceans, 2015, 120, 3987-4002.	2.6	18
27	Coastal offshore exchange of organic matter across the Cape Ghir filament (NW Africa) during moderate upwelling. Journal of Marine Systems, 2016, 154, 233-242.	2.1	17
28	The Cape Ghir filament system in August 2009 (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 To	2.6	13
29	Larval Fish Habitats and Deoxygenation in the Northern Limit of the Oxygen Minimum Zone off Mexico. Journal of Geophysical Research: Oceans, 2019, 124, 9690-9705.	2.6	13
30	Effects of mesoscale structures on the distribution of cephalopod paralarvae in the Gulf of California and adjacent Pacific. Deep-Sea Research Part I: Oceanographic Research Papers, 2018, 131, 62-74.	1.4	12
31	Transport pathways of decapod larvae under intense mesoscale activity in the Canary-African coastal transition zone: implications for population connectivity. Scientia Marina, 2017, 81, 299.	0.6	12
32	A suboxic chlorophyll-a maximum persists within the Pacific oxygen minimum zone off Mexico. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 169-170, 104686.	1.4	11
33	Filaments on the Western Iberian Margin: A modeling study. Journal of Geophysical Research: Oceans, 2015, 120, 5400-5416.	2.6	9
34	Vertical distribution of calanoid copepods in a mature cyclonic eddy in the Gulf of California. Crustaceana, 2018, 91, 63-84.	0.3	9
35	Transient response of the Northwestern Iberian upwelling regime. PLoS ONE, 2018, 13, e0197627.	2.5	9
36	Bottom Boundary Layer and Particle Dynamics in an Upwelling Affected Continental Margin (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 To	2.6	9

#	ARTICLE	IF	CITATIONS
37	Effects of Geostrophic Kinetic Energy on the Distribution of Mesopelagic Fish Larvae in the Southern Gulf of California in Summer/Fall Stratified Seasons. PLoS ONE, 2016, 11, e0164900.	2.5	7
38	Water masses and larval fish habitats in the Pacific tropical-subtropical convergence off Mexico. Continental Shelf Research, 2021, 230, 104575.	1.8	7
39	Circulation in the canary current upwelling region off Cabo Bojador in August 1972. Deep Sea Research and Oceanographic Abstracts, 1975, 22, 547-558.	0.3	5
40	Surface Salinity Balance in the Tropical Pacific Off Mexico. Journal of Geophysical Research: Oceans, 2018, 123, 5763-5776.	2.6	5
41	Distribution of calanoid copepods across the mesoscale frontal zone of tropical-subtropical convergence off MÃ©xico. Deep-Sea Research Part II: Topical Studies in Oceanography, 2019, 169-170, 104678.	1.4	4
42	Ommastrephid squid paralarvae distribution and transport under contrasting interannual conditions in the tropical-subtropical convergence off Mexico. Deep-Sea Research Part I: Oceanographic Research Papers, 2020, 160, 103259.	1.4	4
43	Wave Regime and Waveâ€Current Coupling in an Upwellingâ€Driven Bay: Seasonal and Interâ€Annual Variability. Journal of Geophysical Research: Oceans, 2021, 126, e2021JC017540.	2.6	4
44	Ommastrephid squid paralarvae potential nursery habitat in the tropical-subtropical convergence off Mexico. Progress in Oceanography, 2022, 202, 102762.	3.2	4
45	Fixed-point time series, repeat survey and high-resolution modeling reveal event scale responses of the Northwestern Iberian upwelling. Progress in Oceanography, 2021, 190, 102480.	3.2	2
46	Sobre la existencia de una celda de circulaciÃ³n atmosfÃ©rica sobre el Caribe y su efecto en las corrientes de Ekman del Caribe suroccidental. BoletÃn CientÃfico CIOH, 2013, , 73-94.	0.1	2
47	Glider Observations of the Northwestern Iberian Margin During an Exceptional Summer Upwelling Season. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015804.	2.6	1