

Josep L. Pelegrà-

List of Publications by Year in descending order

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116
papers

2,996
citations

172207

29
h-index

197535

49
g-index

120
all docs

120
docs citations

120
times ranked

2887
citing authors

#	ARTICLE	IF	CITATIONS
1	Barcelona Coastal Monitoring with the "Patã-a Vela", a Traditional Sailboat Turned into an Oceanographic Platform. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 591.	1.2	3
2	Water Mass Transports and Pathways in the North Brazilâ€Equatorial Undercurrent Retroflexion. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	3
3	A view of the Brazil-Malvinas confluence, March 2015. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2021, 172, 103533.	0.6	9
4	The Transfer of Antarctic Circumpolar Waters to the Western South Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC017025.	1.0	2
5	Cutâ€off low systems over Iraq: Contribution to annual precipitation and synoptic analysis of extreme events. <i>International Journal of Climatology</i> , 2020, 40, 908-926.	1.5	13
6	Analysis of the planetary thermal distribution with a simple three-zone maximum-flux model. <i>International Journal of Heat and Mass Transfer</i> , 2020, 160, 120185.	2.5	0
7	Dataset on the RETRO-BMC cruise onboard the R/V HespÃ©rides, April 2017, Brazil-Malvinas Confluence. <i>Data in Brief</i> , 2020, 30, 105412.	0.5	3
8	On the Spatiotemporal Diversity of Atlantic NiÃ±o and Associated Rainfall Variability Over West Africa and South America. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087108.	1.5	33
9	The upper, deep, abyssal and overturning circulation in the Atlantic Ocean at 30Â°S in 2003 and 2011. <i>Progress in Oceanography</i> , 2019, 176, 102136.	1.5	21
10	Temperature Spatiotemporal Correlation Scales in the Brazilâ€Malvinas Confluence from Highâ€Resolution In Situ and Remote Sensing Data. <i>Geophysical Research Letters</i> , 2019, 46, 13234-13243.	1.5	6
11	Net Additions of Recalcitrant Dissolved Organic Carbon in the Deep Atlantic Ocean. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1162-1173.	1.9	14
12	Subtropicalâ€Tropical Transfer in the South Atlantic Ocean. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 4820-4837.	1.0	6
13	Inverse Modeling the Brazilâ€Malvinas Confluence. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 527-554.	1.0	12
14	Seasonal Variability of Retroflexion Structures and Transports in the Atlantic Ocean as Inferred from Satellite-Derived Salinity Maps. <i>Remote Sensing</i> , 2019, 11, 802.	1.8	4
15	Dataset on the TIC-MOC cruise onboard the R/V HespÃ©rides, March 2015, Brazil-Malvinas Confluence. <i>Data in Brief</i> , 2019, 22, 185-194.	0.5	5
16	Oxygen Pathways and Budget for the Eastern South Pacific Oxygen Minimum Zone. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1722-1744.	1.0	14
17	Tracking the Mediterranean outflow in the Gulf of Cadiz. <i>Progress in Oceanography</i> , 2017, 157, 47-71.	1.5	14
18	Subregional characterization of mesoscale eddies across the <sc>B</sc>razilâ€<sc>M</sc>alvinas <sc>C</sc>onfluence. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 3329-3357.	1.0	45

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19	An Overview on Biodiversity and Ecosystems Off Mauritanian Deep-Waters. , 2017, , 615-659.		1
20	Oceanography of the Cape Verde Basin and Mauritanian Slope Waters. , 2017, , 119-153.		15
21	A Simple Nonlinear and End-Member-Free Approach for Obtaining Ocean Remineralization Patterns. Journal of Atmospheric and Oceanic Technology, 2017, 34, 2443-2455.	0.5	2
22	Characteristics and evolution of an <sc>A</sc>gulhas ring. Journal of Geophysical Research: Oceans, 2017, 122, 7049-7065.	1.0	21
23	The Mediterranean Overflow in the Gulf of Cadiz: A rugged journey. Science Advances, 2017, 3, eaao0609.	4.7	66
24	Differences between 1999 and 2010 across the Falkland Plateau: fronts and water masses. Ocean Science, 2017, 13, 577-587.	1.3	2
25	Temporal evolution of the momentum balance terms and frictional adjustment observed over the inner shelf during a storm. Ocean Science, 2016, 12, 137-151.	1.3	5
26	Water masses and mesoscale control on latitudinal and cross-shelf variations in larval fish assemblages off NW Africa. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 117, 120-137.	0.6	19
27	Interaction of Mediterranean Water lenses with Antarctic Intermediate Water off Northwest Africa. Scientia Marina, 2016, 80, 205-214.	0.3	7
28	Thirty years of research and development of Lagrangian buoys at the Institute of Marine Sciences. Scientia Marina, 2016, 80, 141-158.	0.3	6
29	Transports and budgets of anthropogenic <sc>CO₂</sc> in the tropical <sc>North Atlantic</sc> in 1992â€“1993 and 2010â€“2011. Global Biogeochemical Cycles, 2015, 29, 1075-1091.	1.9	9
30	Anthropogenic CO2 changes in the Equatorial Atlantic Ocean. Progress in Oceanography, 2015, 134, 256-270.	1.5	4
31	Response of the surface tropical Atlantic Ocean to wind forcing. Progress in Oceanography, 2015, 134, 271-292.	1.5	9
32	Water mass pathways to the <sc>N</sc>orth <sc>A</sc>tantic oxygen minimum zone. Journal of Geophysical Research: Oceans, 2015, 120, 3350-3372.	1.0	40
33	Zonal jets in the equatorial Atlantic Ocean. Progress in Oceanography, 2015, 130, 1-18.	1.5	20
34	An improved coastal upwelling index from sea surface temperature using satellite-based approach â€“ The case of the Canary Current upwelling system. Continental Shelf Research, 2014, 81, 38-54.	0.9	119
35	Impact of anthropogenic CO 2 on the next glacial cycle. Climatic Change, 2014, 122, 283-298.	1.7	14
36	Meridional overturning transports at 7.5N and 24.5N in the Atlantic Ocean during 1992â€“93 and 2010â€“11. Progress in Oceanography, 2014, 128, 98-114.	1.5	32

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37	Does a general relationship exist between fluorescent dissolved organic matter and microbial respiration? The case of the dark equatorial Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2014, 89, 44-55.	0.6	17
38	On the temporal memory of coastal upwelling off NW Africa. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6356-6380.	1.0	23
39	Geostrophic and ageostrophic circulation of a shallow anticyclonic eddy off Cape Bojador. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1257-1270.	1.0	10
40	Evolution of geoids in recent years and its impact on oceanography. <i>Scientia Marina</i> , 2014, 78, 155-164.	0.3	1
41	Physical drivers of interannual chlorophyll variability in the eastern subtropical North Atlantic. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 3871-3886.	1.0	30
42	Wind-driven surface circulation in the Cape Blanc region. <i>Continental Shelf Research</i> , 2013, 60, 87-103.	0.9	7
43	Seasonal circulation over the Catalan inner-shelf (northwest Mediterranean Sea). <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 5844-5857.	1.0	26
44	Global constraints on net primary production and inorganic carbon supply during glacial and interglacial cycles. <i>Paleoceanography</i> , 2013, 28, 713-725.	3.0	3
45	Winter and spring surface velocity fields in the Cape Blanc region as deduced with the maximum cross-correlation technique. <i>International Journal of Remote Sensing</i> , 2013, 34, 3587-3606.	1.3	13
46	Physical and biogeochemical forcing of oxygen and nitrate changes during El Niño/El Viejo and La Niña/La Vieja upper-ocean phases in the tropical eastern South Pacific along 86° W. <i>Biogeosciences</i> , 2013, 10, 6339-6355.	1.3	39
47	Tasman Leakage of intermediate waters as inferred from Argo floats. <i>Geophysical Research Letters</i> , 2013, 40, 5456-5460.	1.5	19
48	Turbulence as a driver for vertical plankton distribution in the subsurface upper ocean. <i>Scientia Marina</i> , 2013, 77, 541-549.	0.3	17
49	La memòria oceànica del clima: El sistema circulatori d'un planeta viu. Màtode Revista De Difusió De La Investigació De La Universitat De València, 2013, .	0.0	0
50	Real time visualization of thermohaline finestructure using Seismic Offset Groups. <i>Methods in Oceanography</i> , 2012, 3-4, 1-13.	1.5	4
51	Eastern boundary drainage of the North Atlantic subtropical gyre. <i>Ocean Dynamics</i> , 2012, 62, 1287-1310.	0.9	13
52	Crucial times for Spanish physical oceanography. <i>Scientia Marina</i> , 2012, 76, 11-28.	0.3	0
53	Turbulence and high-frequency variability in a deep gravity current outflow. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	13
54	Coupled CO ₂ and O ₂ -driven compromises to marine life in summer along the Chilean sector of the Humboldt Current System. <i>Biogeosciences</i> , 2012, 9, 1183-1194.	1.3	25

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55	The continental slope current system between Cape Verde and the Canary Islands. <i>Scientia Marina</i> , 2012, 76, 65-78.	0.3	59
56	A Lagrangian study tracing water parcel origins in the Canary Upwelling System. <i>Scientia Marina</i> , 2012, 76, 79-94.	0.3	26
57	Salinity intrusion and convective mixing in the Atlantic Equatorial Undercurrent. <i>Scientia Marina</i> , 2012, 76, 117-129.	0.3	7
58	Inter-decadal changes in stratification and double diffusion in a transatlantic section along 7.5°N. <i>Scientia Marina</i> , 2012, 76, 189-207.	0.3	9
59	Detection of a weak meddy-like anomaly from high-resolution satellite SST maps. <i>Scientia Marina</i> , 2012, 76, 229-234.	0.3	6
60	Meridional and zonal changes in water properties along the continental slope off central and northern Chile. <i>Ciencias Marinas</i> , 2012, 38, 307-332.	0.4	25
61	Meridional changes in water mass distributions off NW Africa during November 2007/2008. <i>Ciencias Marinas</i> , 2012, 38, 223-244.	0.4	28
62	Potential changes in larval dispersal and alongshore connectivity on the central Chilean coast due to an altered wind climate. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	35
63	The Bransfield current system. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 390-402.	0.6	118
64	Three-dimensional circulation in the NW Africa coastal transition zone. <i>Progress in Oceanography</i> , 2011, 91, 516-533.	1.5	15
65	Topographic control on the nascent Mediterranean outflow. <i>Geo-Marine Letters</i> , 2011, 31, 301-314.	0.5	10
66	Inverse modeling of salinity-temperature-depth relationships: Application to the upper eastern North Atlantic subtropical gyre. <i>Journal of Marine Systems</i> , 2010, 80, 144-159.	0.9	2
67	Modelling the early evolution of a Loop Current ring. <i>Journal of Marine Systems</i> , 2010, 80, 160-171.	0.9	6
68	Seasonal Flow Reversals of Intermediate Waters in the Canary Current System East of the Canary Islands. <i>Journal of Physical Oceanography</i> , 2010, 40, 1902-1909.	0.7	29
69	Northward Penetration of Antarctic Intermediate Water off Northwest Africa. <i>Journal of Physical Oceanography</i> , 2009, 39, 512-535.	0.7	51
70	Integral descriptors of the vertical structure of the ocean. <i>Journal of Oceanography</i> , 2009, 65, 499-510.	0.7	2
71	Seismic reflection along the path of the Mediterranean Undercurrent. <i>Continental Shelf Research</i> , 2009, 29, 1848-1860.	0.9	31
72	The Canary Eddy Corridor: A major pathway for long-lived eddies in the subtropical North Atlantic. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2009, 56, 2100-2114.	0.6	153

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73	Interaction of Mediterranean water eddies with Sedlo and Seine Seamounts, Subtropical Northeast Atlantic. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 2593-2605.	0.6	38
74	Dynamics at an elongated, intermediate depth seamount in the North Atlantic (Sedlo Seamount). <i>Journal of Geophysical Research</i> , 2009, 114, C07001.	0.6	33
75	Mass and nutrient fluxes around Sedlo Seamount. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2009, 56, 2606-2617.	0.6	9
76	Relative contribution of temperature and salinity to ocean acoustic reflectivity. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	68
77	Water and nutrient fluxes off Northwest Africa. <i>Continental Shelf Research</i> , 2008, 28, 915-936.	0.9	66
78	Imaging meddy finestructure using multichannel seismic reflection data. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	93
79	On the nature of oceanic eddies shed by the Island of Gran Canaria. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2007, 54, 687-709.	0.6	55
80	Effect of the Canary Islands in the blockage and mixing of the North Atlantic eastern water masses. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	9
81	CZCS chlorophyll patterns in the South Atlantic Bight during low vertical stratification conditions. <i>Continental Shelf Research</i> , 2006, 26, 429-457.	0.9	10
82	Near-surface circulation in the southern Gulf of Cádiz. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2006, 53, 1161-1181.	0.6	39
83	Ocean rheology. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2006, 133, 121-131.	1.0	4
84	Nutrient irrigation of the North Atlantic. <i>Progress in Oceanography</i> , 2006, 70, 366-406.	1.5	91
85	Mass fluxes in the Canary Basin. <i>Progress in Oceanography</i> , 2006, 70, 416-447.	1.5	98
86	Gabriel T. Csanady: Understanding the physics of the ocean. <i>Progress in Oceanography</i> , 2006, 70, 91-112.	1.5	0
87	Analytic salinity-temperature relations for the upper-thermocline waters of the eastern North Atlantic subtropical gyre. <i>Scientia Marina</i> , 2006, 70, 167-175.	0.3	7
88	Vertical alignment of the Gulf Stream. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2005, 57, 691-700.	0.8	5
89	Hydrographic cruises off northwest Africa: the Canary Current and the Cape Ghir region. <i>Journal of Marine Systems</i> , 2005, 54, 39-63.	0.9	59
90	Coupling between the open ocean and the coastal upwelling region off northwest Africa: water recirculation and offshore pumping of organic matter. <i>Journal of Marine Systems</i> , 2005, 54, 3-37.	0.9	165

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91	Exchange of carbon by an upwelling filament off Cape Ghir (NW Africa). <i>Journal of Marine Systems</i> , 2005, 54, 83-95.	0.9	53
92	Life history of an anticyclonic eddy. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	75
93	Estimates of gradient Richardson numbers from vertically smoothed data in the Gulf Stream region. <i>Scientia Marina</i> , 2004, 68, 459-482.	0.3	18
94	Temporal variability of mass transport in the Canary Current. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 3415-3426.	0.6	45
95	Slope Control in Western Boundary Currents. <i>Journal of Physical Oceanography</i> , 2001, 31, 3349-3360.	0.7	11
96	Diapycnal mixing in a frontal system forced by an oscillating deformation field. <i>Physics and Chemistry of the Earth</i> , 2001, 26, 293-298.	0.3	3
97	Experiments on layer formation in stratified shear flow. <i>Scientia Marina</i> , 2001, 65, 117-126.	0.3	3
98	Field validation of a semi-spherical Lagrangian drifter. <i>Scientia Marina</i> , 2001, 65, 139-143.	0.3	3
99	Tidal currents and mixing in the Lake Maracaibo estuarine system. <i>Scientia Marina</i> , 2001, 65, 155-166.	0.3	6
100	Water masses, circulation and transport in the eastern boundary current of the North Atlantic subtropical gyre. <i>Scientia Marina</i> , 2001, 65, 177-186.	0.3	40
101	Sensitivity of an idealized subtropical gyre to the eastern boundary conditions. <i>Scientia Marina</i> , 2001, 65, 187-194.	0.3	8
102	Applicability of T-S algorithms to the Canary Islands region. <i>Scientia Marina</i> , 2001, 65, 195-204.	0.3	10
103	Dynamical characteristics of the Cape Verde frontal zone. <i>Scientia Marina</i> , 2001, 65, 241-250.	0.3	37
104	Seasonal variability of the upper warmwatersphere in the Canary Basin. <i>Scientia Marina</i> , 2001, 65, 251-258.	0.3	9
105	On the relevance of diapycnal mixing for the stability of frontal meanders. <i>Scientia Marina</i> , 2001, 65, 259-267.	0.3	10
106	Chlorophyll increase due to internal waves in the shelf-break of Gran Canaria Island (Canary Islands). <i>Scientia Marina</i> , 2001, 65, 89-97.	0.3	24
107	The ocean, our climate and the earth's health. <i>Scientia Marina</i> , 2001, 65, 3-6.	0.3	0
108	Diapycnal mixing in Gulf Stream meanders. <i>Journal of Geophysical Research</i> , 1999, 104, 25891-25912.	3.3	28

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109	A mechanism for layer formation in stratified geophysical flows. Journal of Geophysical Research, 1998, 103, 30679-30693.	3.3	23
110	Heat Gain in the Eastern North Atlantic Subtropical Gyre. , 1997, , 419-436.		6
111	The North Atlantic nutrient stream. Journal of Oceanography, 1996, 52, 275-299.	0.7	71
112	Vorticity balance of boundary currents. Journal of Marine Research, 1995, 53, 171-187.	0.3	9
113	Diapycnal mixing in western boundary currents. Journal of Geophysical Research, 1994, 99, 18275.	3.3	47
114	On the role of shear mixing during transient coastal upwelling. Continental Shelf Research, 1993, 13, 1363-1400.	0.9	14
115	Nutrient transport and mixing in the Gulf Stream. Journal of Geophysical Research, 1991, 96, 2577-2583.	3.3	107
116	Tidal fronts in estuaries. Estuarine, Coastal and Shelf Science, 1988, 27, 45-60.	0.9	12