Pierre Testor

List of Publications by Year
in descending order

64 papers	3,370 citations	126907 33 h-index	149698 56 g-index
68 all docs	68 docs citations	68 times ranked	4172 citing authors

#	Article	IF	Citations
1	Marine ecosystemsâ€™ responses to climatic and anthropogenic forcings in the Mediterranean. Progress in Oceanography, 2011, 91, 97-166.	3.2	385
2	HyMeX-SOP1: The Field Campaign Dedicated to Heavy Precipitation and Flash Flooding in the Northwestern Mediterranean. Bulletin of the American Meteorological Society, 2014, 95, 1083-1100.	3.3	262
3	Seasonal variability of the mixed layer depth in the Mediterranean Sea as derived from in situ profiles. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	170
4	Environmental characteristics of Agulhas rings affect interocean plankton transport. Science, 2015, 348, 1261447.	12.6	158
5	Interaction of dense shelf water cascading and openâ€sea convection in the northwestern Mediterranean during winter 2012. Geophysical Research Letters, 2013, 40, 1379-1385.	4.0	136
6	Observations of open-ocean deep convection in the northwestern Mediterranean Sea: Seasonal and interannual variability of mixing and deep water masses for the 2007-2013 Period. Journal of Geophysical Research: Oceans, 2016, 121, 8139-8171.	2.6	108
7	Seasonal cycle of the mixed layer, the seasonal thermocline and the upper-ocean heat storage rate in the Mediterranean Sea derived from observations. Progress in Oceanography, 2015, 132, 333-352.	3.2	95
8	OceanGliders: A Component of the Integrated GOOS. Frontiers in Marine Science, 2019, 6, .	2.5	83
9	Spreading of Levantine Intermediate Waters by submesoscale coherent vortices in the northwestern <scp>M</scp>editerranean <scp>S</scp>ea as observed with gliders. Journal of Geophysical Research: Oceans, 2015, 120, 1599-1622.	2.6	80
10	Characterizing, modelling and understanding the climate variability of the deep water formation in the North-Western Mediterranean Sea. Climate Dynamics, 2018, 51, 1179-1210.	3.8	79
11	Communityâ€Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. Global Biogeochemical Cycles, 2019, 33, 391-419.	4.9	76
12	Multiscale Observations of Deep Convection in the Northwestern Mediterranean Sea During Winter 2012â€“2013 Using Multiple Platforms. Journal of Geophysical Research: Oceans, 2018, 123, 1745-1776.	2.6	71
13	Impact of the spatial distribution of the atmospheric forcing on water mass formation in the Mediterranean Sea. Journal of Geophysical Research, 2010, 115, .	3.3	68
14	Post-convection spreading phase in the Northwestern Mediterranean Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 869-893.	1.4	66
15	Enhancing the comprehension of mixed layer depth control on the Mediterranean phytoplankton phenology. Journal of Geophysical Research: Oceans, 2013, 118, 3416-3430.	2.6	65
16	Scales and dynamics of <scp>S</scp>ubmesoscale <scp>C</scp>oherent <scp>V</scp>ortices formed by deep convection in the northwestern <scp>M</scp>editerranean <scp>S</scp>ea. Journal of Geophysical Research: Oceans, 2016, 121, 7716-7742.	2.6	65
17	Deep sediment resuspension and thick nepheloid layer generation by openâ€ocean convection. Journal of Geophysical Research: Oceans, 2017, 122, 2291-2318.	2.6	63
18	Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. PLoS ONE, 2013, 8, e67523.	2.5	58

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19	Observing mixed layer depth, nitrate and chlorophyll concentrations in the northwestern Mediterranean: A combined satellite and NO₃ profiling floats experiment. Geophysical Research Letters, 2014, 41, 6443-6451.	4.0	57
20	Future Vision for Autonomous Ocean Observations. Frontiers in Marine Science, 2020, 7, .	2.5	57
21	Impact of open-ocean convection on particle fluxes and sediment dynamics in the deep margin of the Gulf of Lions. Biogeosciences, 2013, 10, 1097-1116.	3.3	56
22	Physical and Biogeochemical Controls of the Phytoplankton Blooms in North Western Mediterranean Sea: A Multiplatform Approach Over a Complete Annual Cycle (2012â€“2013 DEWEX Experiment). Journal of Geophysical Research: Oceans, 2017, 122, 9999-10019.	2.6	56
23	Abrupt warming and salinification of intermediate waters interplays with decline of deep convection in the Northwestern Mediterranean Sea. Scientific Reports, 2020, 10, 20923.	3.3	55
24	Potential for an underwater glider component as part of the Global Ocean Observing System. Methods in Oceanography, 2016, 17, 50-82.	1.6	54
25	Large-Scale Spreading of Deep Waters in the Western Mediterranean Sea by Submesoscale Coherent Eddies. Journal of Physical Oceanography, 2003, 33, 75-87.	1.7	53
26	Finescale Vertical Structure of the Upwelling System off Southern Peru as Observed from Glider Data. Journal of Physical Oceanography, 2013, 43, 631-646.	1.7	53
27	The mean circulation of the southwestern Mediterranean Sea: Algerian Gyres. Journal of Geophysical Research, 2005, 110, .	3.3	49
28	Challenges for Sustained Observing and Forecasting Systems in the Mediterranean Sea. Frontiers in Marine Science, 2019, 6, .	2.5	47
29	High resolution modeling of dense water formation in the northâ€western Mediterranean during winter 2012â€“2013: Processes and budget. Journal of Geophysical Research: Oceans, 2016, 121, 5367-5392.	2.6	46
30	Upwelling and isolation in oxygen-depleted anticyclonic modewater eddies and implications for nitrate cycling. Biogeosciences, 2017, 14, 2167-2181.	3.3	42
31	Impact of data assimilation of glider observations in the Ionian Sea (Eastern Mediterranean). Dynamics of Atmospheres and Oceans, 2010, 50, 78-92.	1.8	40
32	A submesoscale coherent vortex in the <scp>L</scp>igurian <scp>S</scp>ea: From dynamical barriers to biological implications. Journal of Geophysical Research: Oceans, 2017, 122, 6196-6217.	2.6	39
33	Impact of a coastal-trapped wave on the near-coastal circulation of the Peru upwelling system from glider data. Journal of Geophysical Research: Oceans, 2014, 119, 2109-2120.	2.6	36
34	Large scale flow separation and mesoscale eddy formation in the Algerian Basin. Progress in Oceanography, 2005, 66, 211-230.	3.2	35
35	Observations of Irminger Sea Anticyclonic Eddies. Journal of Physical Oceanography, 2013, 43, 805-823.	1.7	34
36	HyMeX-SOP2: The Field Campaign Dedicated to Dense Water Formation in the Northwestern Mediterranean. , 2016, 29, 196-206.		33

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37	Modeling Postconvective Submesoscale Coherent Vortices in the Northwestern M editerranean S ea. Journal of Geophysical Research: Oceans, 2017, 122, 9937-9961.	2.6	30
38	Evolution of an oceanic anticyclone in the lee of Madeira Island: In situ and remote sensing survey. Journal of Geophysical Research: Oceans, 2014, 119, 1195-1216.	2.6	29
39	Estimating dense water volume and its evolution for the year 2012â€“2013 in the <scp>N</scp>orthwestern <scp>M</scp>editerranean <scp>S</scp>ea: An observing system simulation experiment approach. Journal of Geophysical Research: Oceans, 2016, 121, 6696-6716.	2.6	27
40	Glider monitoring of shelf suspended particle dynamics and transport during storm and flooding conditions. Continental Shelf Research, 2015, 109, 135-149.	1.8	26
41	Wind Speed Measured from Underwater Gliders Using Passive Acoustics. Journal of Atmospheric and Oceanic Technology, 2018, 35, 2305-2321.	1.3	26
42	Observation of oxygen ventilation into deep waters through targeted deployment of multiple <scp>A</scp>rgoâ€<scp>O</scp>₂ floats in the northâ€western <scp>M</scp>editerranean <scp>S</scp>ea in 2013. Journal of Geophysical Research: Oceans, 2017, 122, 6325-6341.	2.6	24
43	Modeling the intense 2012-2013 dense water formation event in the northwestern Mediterranean Sea: Evaluation with an ensemble simulation approach. Journal of Geophysical Research: Oceans, 2017, 122, 1297-1324.	2.6	23
44	A Glider Network Design Study for a Synoptic View of the Oceanic Mesoscale Variability. Journal of Atmospheric and Oceanic Technology, 2013, 30, 1472-1493.	1.3	22
45	Modeling the deep eddy field in the southwestern Mediterranean: The life cycle of Sardinian eddies. Geophysical Research Letters, 2005, 32, .	4.0	21
46	Characterization of Convective Plumes Associated With Oceanic Deep Convection in the Northwestern Mediterranean From Highâ€Resolution In Situ Data Collected by Gliders. Journal of Geophysical Research: Oceans, 2017, 122, 9814-9826.	2.6	19
47	Nitrogen and Phosphorus Budgets in the Northwestern Mediterranean Deep Convection Region. Journal of Geophysical Research: Oceans, 2017, 122, 9429-9454.	2.6	18
48	Sperm whale presence observed using passive acoustic monitoring from gliders of opportunity. Endangered Species Research, 2020, 42, 133-149.	2.4	16
49	South-Eastern Bay of Biscay eddy-induced anomalies and their effect on chlorophyll distribution. Journal of Marine Systems, 2016, 162, 57-72.	2.1	14
50	Monitoring the Environment in the Northwestern Mediterranean Sea. Eos, 2019, 100, .	0.1	14
51	Completion of a Sparse GLIDER Database Using Multi-iterative Self-Organizing Maps (ITCOMP SOM). Procedia Computer Science, 2015, 51, 2198-2206.	2.0	13
52	Impact of the Mesoscale Dynamics on Ocean Deep Convection: The 2012â€“2013 Case Study in the Northwestern Mediterranean Sea. Journal of Geophysical Research: Oceans, 2017, 122, 8813-8840.	2.6	12
53	Synergy between in situ and altimetry data to observe and study Northern Current variations (NW) Tj ETQq1 1 0.784314 rgBT /Overlo	3.4	12
54	Acoustic thermometry of the western Mediterranean basin. Journal of the Acoustical Society of America, 2004, 116, 790-798.	1.1	9

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55	Direct Observations Reveal the Deep Circulation of the Western Mediterranean Sea. Journal of Geophysical Research: Oceans, 2017, 122, 10091-10098.	2.6	9
56	Subsurface Fineâ€Scale Patterns in an Anticyclonic Eddy Off Capâ€Vert Peninsula Observed From Glider Measurements. Journal of Geophysical Research: Oceans, 2018, 123, 6312-6329.	2.6	8
57	On the dynamics in the southeastern Ligurian Sea in summer 2010. Continental Shelf Research, 2020, 196, 104083.	1.8	7
58	Wind-Forced Submesoscale Symmetric Instability around Deep Convection in the Northwestern Mediterranean Sea. Fluids, 2021, 6, 123.	1.7	7
59	Preface to the Special Section: Dense Water Formations in the Northwestern Mediterranean: From the Physical Forcings to the Biogeochemical Consequences. Journal of Geophysical Research: Oceans, 2018, 123, 6983-6995.	2.6	6
60	Characterization of fronts in the Western Mediterranean with a special focus on the North Balearic Front. Progress in Oceanography, 2021, 197, 102636.	3.2	6
61	Glider-Based Active Acoustic Monitoring of Currents and Turbidity in the Coastal Zone. Remote Sensing, 2020, 12, 2875.	4.0	4
62	Sources of the Levantine Intermediate Water in Winter 2019. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	4
63	An International Perspective on Graduate Education in Physical Oceanography. Oceanography, 2003, 16, 128-133.	1.0	2
64	The Levantine Intermediate Water in the western Mediterranean and its interactions with the Algerian Gyres: insights from 60Âyears of observation. Ocean Science, 2022, 18, 937-952.	3.4	2