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	Sources of the Levantine Intermediate Water in Winter 2019. Journal of Geophysical Research: Oceans, 2022, 127, .	2.6	4
2	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
3	Wind-Forced Submesoscale Symmetric Instability around Deep Convection in the Northwestern Mediterranean Sea. Fluids, 2021, 6, 123.	1.7	7
4	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
5	Glider-Based Active Acoustic Monitoring of Currents and Turbidity in the Coastal Zone. Remote Sensing, 2020, 12, 2875.	4.0	4
6	Future Vision for Autonomous Ocean Observations. Frontiers in Marine Science, 2020, 7, .	2.5	57
7	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
8	On the dynamics in the southeastern Ligurian Sea in summer 2010. Continental Shelf Research, 2020, 196, 104083.	1.8	7
9	Sperm whale presence observed using passive acoustic monitoring from gliders of opportunity. Endangered Species Research, 2020, 42, 133-149.	2.4	16
10	OceanGliders: A Component of the Integrated GOOS. Frontiers in Marine Science, 2019, 6, .	2.5	83
11	Challenges for Sustained Observing and Forecasting Systems in the Mediterranean Sea. Frontiers in Marine Science, 2019, 6, .	2.5	47
12	Synergy between in situ and altimetry data to observe and study Northern Current variations (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.4	12
13	Communityâ€Level Responses to Iron Availability in Open Ocean Plankton Ecosystems. Global Biogeochemical Cycles, 2019, 33, 391-419.	4.9	76
14	Monitoring the Environment in the Northwestern Mediterranean Sea. Eos, 2019, 100, .	0.1	14
15	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
16	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
17	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
18	Wind Speed Measured from Underwater Gliders Using Passive Acoustics. Journal of Atmospheric and Oceanic Technology, 2018, 35, 2305-2321.	1.3	26

#	Article	IF	Citations
19	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
20	Deep sediment resuspension and thick nepheloid layer generation by openâ€ocean convection. Journal of Geophysical Research: Oceans, 2017, 122, 2291-2318.	2.6	63
21	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
22	Modeling Postconvective Submesoscale Coherent Vortices in the Northwestern M editerranean S ea. Journal of Geophysical Research: Oceans, 2017, 122, 9937-9961.	2.6	30
23	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
24	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
25	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
26	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
27	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
28	Nitrogen and Phosphorus Budgets in the Northwestern Mediterranean Deep Convection Region. Journal of Geophysical Research: Oceans, 2017, 122, 9429-9454.	2.6	18
29	Direct Observations Reveal the Deep Circulation of the Western Mediterranean Sea. Journal of Geophysical Research: Oceans, 2017, 122, 10091-10098.	2.6	9
30	Upwelling and isolation in oxygen-depleted anticyclonic modewater eddies and implications for nitrate cycling. Biogeosciences, 2017, 14, 2167-2181.	3.3	42
31	HyMeX-SOP2: The Field Campaign Dedicated to Dense Water Formation in the Northwestern Mediterranean. , 2016, 29, 196-206.		33
32	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
33	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
34	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
35	Potential for an underwater glider component as part of the Global Ocean Observing System. Methods in Oceanography, 2016, 17, 50-82.	1.6	54
36	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

#	Article	IF	Citations
37	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
38	Completion of a Sparse GLIDER Database Using Multi-iterative Self-Organizing Maps (ITCOMP SOM). Procedia Computer Science, 2015, 51, 2198-2206.	2.0	13
39	Environmental characteristics of Agulhas rings affect interocean plankton transport. Science, 2015, 348, 1261447.	12.6	158
40	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
41	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
42	Glider monitoring of shelf suspended particle dynamics and transport during storm and flooding conditions. Continental Shelf Research, 2015, 109, 135-149.	1.8	26
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	Observations of Irminger Sea Anticyclonic Eddies. Journal of Physical Oceanography, 2013, 43, 805-823.	1.7	34
51	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
52	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
53	Deep-Sea Bioluminescence Blooms after Dense Water Formation at the Ocean Surface. PLoS ONE, 2013, 8, e67523.	2.5	58
54	Marine ecosystemsâ€™ responses to climatic and anthropogenic forcings in the Mediterranean. Progress in Oceanography, 2011, 91, 97-166.	3.2	385

#	Article	IF	Citations
55	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
56	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
57	Post-convection spreading phase in the Northwestern Mediterranean Sea. Deep-Sea Research Part I: Oceanographic Research Papers, 2006, 53, 869-893.	1.4	66
58	Large scale flow separation and mesoscale eddy formation in the Algerian Basin. Progress in Oceanography, 2005, 66, 211-230.	3.2	35
59	Modeling the deep eddy field in the southwestern Mediterranean: The life cycle of Sardinian eddies. Geophysical Research Letters, 2005, 32, .	4.0	21
60	The mean circulation of the southwestern Mediterranean Sea: Algerian Gyres. Journal of Geophysical Research, 2005, 110, .	3.3	49
61	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
62	Acoustic thermometry of the western Mediterranean basin. Journal of the Acoustical Society of America, 2004, 116, 790-798.	1.1	9
63	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
64	An International Perspective on Graduate Education in Physical Oceanography. Oceanography, 2003, 16, 128-133.	1.0	2