

# Guy Caniaux

## List of Publications by Year in descending order

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31  
papers

999  
citations

393982

19  
h-index

433756

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale Observations of Deep Convection in the Northwestern Mediterranean Sea During Winter 2012â€“2013 Using Multiple Platforms. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 1745-1776.	1.0	71
2	Seasonal and Interannual Mixedâ€“Layer Heat Budget Variability in the Western Tropical Atlantic From Argo Floats (2007â€“2012). <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5298-5322.	1.0	8
3	Cyreâ€“scale deep convection in the subpolar North Atlantic Ocean during winter 2014â€“2015. <i>Geophysical Research Letters</i> , 2017, 44, 1439-1447.	1.5	54
4	A PV-approach for dense water formation along fronts: Application to the Northwestern Mediterranean. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 995-1015.	1.0	14
5	An inverse method to derive surface fluxes from the closure of oceanic heat and water budgets: Application to the northâ€“western Mediterranean Sea. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 2884-2908.	1.0	7
6	Modeling the intense 2012-2013 dense water formation event in the northwestern Mediterranean Sea: Evaluation with an ensemble simulation approach. <i>Journal of Geophysical Research: Oceans</i> , 2017, 122, 1297-1324.	1.0	23
7	The Mediterranean Sea heat and mass budgets: Estimates, uncertainties and perspectives. <i>Progress in Oceanography</i> , 2017, 156, 174-208.	1.5	48
8	Argo float observations of basin-scale deep convection in the Irminger sea during winter 2011â€“2012. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 109, 76-90.	0.6	37
9	Recent climatic trends in the tropical Atlantic. <i>Climate Dynamics</i> , 2014, 43, 3071-3089.	1.7	60
10	Increased CO <sub>2</sub> outgassing in Februaryâ€“May 2010 in the tropical Atlantic following the 2009 Pacific El NiÃ±o. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 1645-1657.	1.0	31
11	Variability of the mixed layer heat budget in the eastern equatorial Atlantic during 2005â€“2007 as inferred using Argo floats. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	41
12	A one-dimensional modeling study of the diurnal cycle in the equatorial Atlantic at the PIRATA buoys during the EGEE-3 campaign. <i>Ocean Dynamics</i> , 2011, 61, 1-20.	0.9	20
13	Diagnosing vertical motion in the Equatorial Atlantic. <i>Ocean Dynamics</i> , 2011, 61, 1995-2018.	0.9	15
14	Mixed layer heat budget in the Iceland Basin from Argo. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	22
15	Why Were Sea Surface Temperatures so Different in the Eastern Equatorial Atlantic in June 2005 and 2006?. <i>Journal of Physical Oceanography</i> , 2009, 39, 1416-1431.	0.7	58
16	A high-resolution simulation of the ocean during the POMME experiment: Mesoscale variability and near surface processes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	12
17	A model study of the seasonal mixed layer heat budget in the equatorial Atlantic. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	66
18	A Simplified 3D Oceanic Model Assimilating Geostrophic Currents: Application to the POMME Experiment. <i>Journal of Physical Oceanography</i> , 2005, 35, 628-644.	0.7	18

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19	Air-sea exchanges in the equatorial area from the EQUALANT99 dataset: Bulk parametrizations of turbulent fluxes corrected for airflow distortion. Quarterly Journal of the Royal Meteorological Society, 2005, 131, 2497-2538.	1.0	21
20	A four-dimensional mesoscale map of the spring bloom in the northeast Atlantic (POMME experiment): Results of a prognostic model. Journal of Geophysical Research, 2005, 110, .	3.3	50
21	A 1 year sea surface heat budget in the northeastern Atlantic basin during the POMME experiment: 1. Flux estimates. Journal of Geophysical Research, 2005, 110, .	3.3	17
22	A 1 year sea surface heat budget in the northeastern Atlantic basin during the POMME experiment: 2. Flux optimization. Journal of Geophysical Research, 2005, 110, .	3.3	11
23	A high-resolution simulation of the ocean during the POMME experiment: Simulation results and comparison with observations. Journal of Geophysical Research, 2005, 110, .	3.3	23
24	A 1 year mesoscale simulation of the northeast Atlantic: Mixed layer heat and mass budgets during the POMME experiment. Journal of Geophysical Research, 2005, 110, .	3.3	23
25	Evaluation of the ERA-40 air-sea surface heat flux spin-up. Dynamics of Atmospheres and Oceans, 2004, 37, 295-311.	0.7	4
26	Toward a Better Determination of Turbulent Air-Sea Fluxes from Several Experiments. Journal of Climate, 2003, 16, 600-618.	1.2	46
27	Surface heat budget in an oceanic simulation using data from Tropical Ocean-Global Atmosphere Coupled Ocean-Atmosphere Response Experiment. Journal of Geophysical Research, 2001, 106, 16623-16640.	3.3	9
28	Sensitivity of Cyclogenesis to Sea Surface Temperature in the Northwestern Atlantic. Monthly Weather Review, 2001, 129, 1273-1295.	0.5	50
29	Surface fluxes in the North Atlantic current during CATCH/FASTEX. Quarterly Journal of the Royal Meteorological Society, 1999, 125, 3563-3599.	1.0	40
30	A three-dimensional ocean mesoscale simulation using data from the SEMAPHORE experiment: Mixed layer heat budget. Journal of Geophysical Research, 1998, 103, 25081-25099.	3.3	39
31	Study of the air-sea interactions at the mesoscale: the SEMAPHORE experiment. Annales Geophysicae, 1996, 14, 986-1015.	0.6	61