Guy Caniaux

List of Publications by Year
in descending order

31 papers	999 citations	394421 19 h-index	434195 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. Journal of Geophysical Research: Oceans, 2018, 123, 1745-1776.	2.6	71
2	Seasonal and Interannual Mixedâ€Layer Heat Budget Variability in the Western Tropical Atlantic From Argo Floats (2007â€“2012). Journal of Geophysical Research: Oceans, 2018, 123, 5298-5322.	2.6	8
3	Gyreâ€scale deep convection in the subpolar North Atlantic Ocean during winter 2014â€“2015. Geophysical Research Letters, 2017, 44, 1439-1447.	4.0	54
4	A PV-approach for dense water formation along fronts: Application to the Northwestern Mediterranean. Journal of Geophysical Research: Oceans, 2017, 122, 995-1015.	2.6	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. Journal of Geophysical Research: Oceans, 2017, 122, 2884-2908.	2.6	7
6	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
7	The Mediterranean Sea heat and mass budgets: Estimates, uncertainties and perspectives. Progress in Oceanography, 2017, 156, 174-208.	3.2	48
8	Argo float observations of basin-scale deep convection in the Irminger sea during winter 2011â€“2012. Deep-Sea Research Part I: Oceanographic Research Papers, 2016, 109, 76-90.	1.4	37
9	Recent climatic trends in the tropical Atlantic. Climate Dynamics, 2014, 43, 3071-3089.	3.8	60
10	Increased CO₂ outgassing in Februaryâ€May 2010 in the tropical Atlantic following the 2009 Pacific El NiÃ±o. Journal of Geophysical Research: Oceans, 2013, 118, 1645-1657.	2.6	31
11	Variability of the mixed layer heat budget in the eastern equatorial Atlantic during 2005â€“2007 as inferred using Argo floats. Journal of Geophysical Research, 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. Ocean Dynamics, 2011, 61, 1-20.	2.2	20
13	Diagnosing vertical motion in the Equatorial Atlantic. Ocean Dynamics, 2011, 61, 1995-2018.	2.2	15
14	Mixed layer heat budget in the Iceland Basin from Argo. Journal of Geophysical Research, 2010, 115, .	3.3	22
15	Why Were Sea Surface Temperatures so Different in the Eastern Equatorial Atlantic in June 2005 and 2006?. Journal of Physical Oceanography, 2009, 39, 1416-1431.	1.7	58
16	A high-resolution simulation of the ocean during the POMME experiment: Mesoscale variability and near surface processes. Journal of Geophysical Research, 2007, 112, .	3.3	12
17	A model study of the seasonal mixed layer heat budget in the equatorial Atlantic. Journal of Geophysical Research, 2006, 111, .	3.3	66
18	A Simplified 3D Oceanic Model Assimilating Geostrophic Currents: Application to the POMME Experiment. Journal of Physical Oceanography, 2005, 35, 628-644.	1.7	18

#	Article	IF	Citations
19	Airâ€“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.	2.7	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 airâ€“sea surface heat flux spin-up. Dynamics of Atmospheres and Oceans, 2004, 37, 295-311.	1.8	4
26	Toward a Better Determination of Turbulent Airâ€“Sea Fluxes from Several Experiments. Journal of Climate, 2003, 16, 600-618.	3.2	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.	1.4	50
29	Surface fluxes in the North Atlantic current during CATCH/FASTEX. Quarterly Journal of the Royal Meteorological Society, 1999, 125, 3563-3599.	2.7	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.	1.6	61