

Thierry Delcroix

List of Publications by Year in descending order

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74
papers

4,700
citations

81900

39
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98798

67
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79
all docs

79
docs citations

79
times ranked

3121
citing authors

#	ARTICLE	IF	CITATIONS
1	Le Service national d'observation de la salinité de surface de la mer : 50 ans de mesures océaniques globales. La Météorologie, 2020, , 029.	0.5	1
2	Eddy-Induced Salinity Changes in the Tropical Pacific. Journal of Geophysical Research: Oceans, 2019, 124, 374-389.	2.6	26
3	Sea Surface Salinity Signature of the Tropical Atlantic Interannual Climatic Modes. Journal of Geophysical Research: Oceans, 2018, 123, 7420-7437.	2.6	20
4	Eddy Tracking in the Northwestern Indian Ocean During Southwest Monsoon Regimes. Geophysical Research Letters, 2018, 45, 6594-6603.	4.0	34
5	A theoretical model to analyze the Central to Eastern Pacific El Niño continuum. Ocean Modelling, 2018, 130, 140-159.	2.4	0
6	Le phénomène La Niña et la « catastrophe écologique » de l'île de Paléques. La Météorologie, 2018, 542.	0.5	1
7	Satellite and In Situ Salinity: Understanding Near-Surface Stratification and Subfootprint Variability. Bulletin of the American Meteorological Society, 2016, 97, 1391-1407.	3.3	126
8	Variations of the tropical Atlantic and Pacific SSS minimum zones and their relations to the ITCZ and SPCZ rain bands (1979-2009). Journal of Geophysical Research: Oceans, 2015, 120, 5090-5100.	2.6	23
9	The French contribution to the voluntary observing ships network of sea surface salinity. Deep-Sea Research Part I: Oceanographic Research Papers, 2015, 105, 1-18.	1.4	54
10	Is anthropogenic sea level fingerprint already detectable in the Pacific Ocean?. Environmental Research Letters, 2015, 10, 084024.	5.2	44
11	Spatial trend patterns in the Pacific Ocean sea level during the altimetry era: the contribution of thermocline depth change and internal climate variability. Ocean Dynamics, 2015, 65, 341-356.	2.2	56
12	Analyzing the 2010-2011 La Niña signature in the tropical Pacific sea surface salinity using in situ data, SMOS observations, and a numerical simulation. Journal of Geophysical Research: Oceans, 2014, 119, 3855-3867.	2.6	40
13	Sea surface temperature and salinity seasonal changes in the western Solomon and Bismarck Seas. Journal of Geophysical Research: Oceans, 2014, 119, 2642-2657.	2.6	15
14	Eastern and Central Pacific ENSO and their relationships to the recharge/discharge oscillator paradigm. Deep-Sea Research Part I: Oceanographic Research Papers, 2013, 82, 32-43.	1.4	24
15	An assessment of the mixed layer salinity budget in the tropical Pacific Ocean. Observations and modelling (1990-2009). Ocean Dynamics, 2013, 63, 179-194.	2.2	74
16	Formation and variability of the South Pacific Sea Surface Salinity maximum in recent decades. Journal of Geophysical Research: Oceans, 2013, 118, 5109-5116.	2.6	34
17	Near-Surface Salinity as Nature's Rain Gauge to Detect Human Influence on the Tropical Water Cycle. Journal of Climate, 2012, 25, 958-977.	3.2	122
18	Estimating ENSO Influence on the Global Mean Sea Level, 1993-2010. Marine Geodesy, 2012, 35, 82-97.	2.0	76

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19	Sea level variations at tropical Pacific islands since 1950. <i>Global and Planetary Change</i> , 2012, 80-81, 85-98.	3.5	236
20	Seasonal dynamics of sea surface salinity off Panama: The far Eastern Pacific Fresh Pool. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	83
21	Sea surface chlorophyll signature in the tropical Pacific during eastern and central Pacific ENSO events. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	59
22	Contrasting the flavors of El Niño-Southern Oscillation using sea surface salinity observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	122
23	Estimating the effects of ENSO upon the observed freshening trends of the western tropical Pacific Ocean. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	14
24	A gridded sea surface salinity data set for the tropical Pacific with sample applications (1950–2008). <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2011, 58, 38-48.	1.4	85
25	Annual Reversal of the Equatorial Intermediate Current in the Pacific: Observations and Model Diagnostics. <i>Journal of Physical Oceanography</i> , 2010, 40, 915-933.	1.7	40
26	Observed freshening and warming of the western Pacific Warm Pool. <i>Climate Dynamics</i> , 2009, 33, 565-589.	3.8	221
27	Barrier layer variability in the western Pacific warm pool from 2000 to 2007. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	94
28	Le changement climatique : une réalité pour l'outre-mer français. <i>La Météorologie</i> , 2009, 8, 33.	0.5	1
29	Observed equatorial Rossby waves and ENSO-related warm water volume changes in the equatorial Pacific Ocean. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	45
30	Correction to SPCZ migration and ENSO events during the 20th century as revealed by climate proxies from a Fiji coral. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	0
31	Decadal variations and trends in tropical Pacific sea surface salinity since 1970. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	92
32	Surface salinity in the Atlantic Ocean (30°S–50°N). <i>Progress in Oceanography</i> , 2007, 73, 311-340.	3.2	97
33	Observed correlation of surface salinity, temperature and barrier layer at the eastern edge of the western Pacific warm pool. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	79
34	Upper and intermediate circulation in the western equatorial Pacific Ocean in October 1999 and April 2000. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	23
35	SPCZ migration and ENSO events during the 20th century as revealed by climate proxies from a Fiji coral. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	36
36	Time and space scales for sea surface salinity in the tropical oceans. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2005, 52, 787-813.	1.4	103

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37	The frontal area at the eastern edge of the western equatorial Pacific warm pool in April 2001. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	7
38	El Niño-Southern Oscillation-related salinity variations recorded in the skeletal geochemistry of a Porites coral from Espiritu Santo, Vanuatu. <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	62
39	Can we improve the representation of modeled ocean mixed layer by assimilating surface-only satellite-derived data? A case study for the tropical Pacific during the 1997-1998 El Niño. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	40
40	Seasonal and ENSO variations of sea surface salinity and temperature in the South Pacific Convergence Zone during 1976-2000. <i>Journal of Geophysical Research</i> , 2002, 107, SRF 12-1-SRF 12-14.	3.3	74
41	Assimilation of sea surface salinity in a tropical Oceanic General Circulation Model (OGCM): A twin experiment approach. <i>Journal of Geophysical Research</i> , 2002, 107, SRF 5-1-SRF 5-14.	3.3	19
42	Interannual sea surface salinity and temperature changes in the western Pacific warm pool during 1992-2000. <i>Journal of Geophysical Research</i> , 2002, 107, SRF 3-1-SRF 3-17.	3.3	84
43	Sea surface salinity changes in the East China Sea during 1997-2001: Influence of the Yangtze River. <i>Journal of Geophysical Research</i> , 2002, 107, SRF 9-1-SRF 9-11.	3.3	42
44	Interannual sea level changes and associated mass transports in the tropical Pacific from TOPEX/Poseidon data and linear model results (1964-1999). <i>Journal of Geophysical Research</i> , 2002, 107, 17-1.	3.3	35
45	Pacific warm pool and divergence: temporal and zonal variations on the equator and their effects on the biological pump. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2002, 49, 2471-2512.	1.4	106
46	Modeled and observed impacts of the 1997-1998 El Niño on nitrate and new production in the equatorial Pacific. <i>Journal of Geophysical Research</i> , 2001, 106, 26879-26898.	3.3	36
47	The oceanic zone of convergence on the eastern edge of the Pacific warm pool: A synthesis of results and implications for El Niño-Southern Oscillation and biogeochemical phenomena. <i>Journal of Geophysical Research</i> , 2001, 106, 2363-2386.	3.3	106
48	Little Ice Age sea surface temperature variability in the southwest tropical Pacific. <i>Geophysical Research Letters</i> , 2001, 28, 3477-3480.	4.0	28
49	On the Variability of the Tropical Pacific Thermal Structure during the 1979-96 Period, as Deduced from XBT Sections. <i>Journal of Physical Oceanography</i> , 2000, 30, 3261-3269.	1.7	11
50	ENSO-Related Precipitation Changes in New Caledonia, Southwestern Tropical Pacific: 1969-98. <i>Monthly Weather Review</i> , 2000, 128, 3001-3006.	1.4	21
51	Assimilation of TOPEX/Poseidon altimetric data in a primitive equation model of the tropical Pacific Ocean during the 1992-1996 El Niño-Southern Oscillation period. <i>Journal of Geophysical Research</i> , 2000, 105, 8473-8488.	3.3	18
52	Equatorial waves and warm pool displacements during the 1992-1998 El Niño Southern Oscillation events: Observation and modeling. <i>Journal of Geophysical Research</i> , 2000, 105, 26045-26062.	3.3	63
53	Evidence for stronger El Niño-Southern Oscillation (ENSO) Events in a Mid-Holocene massive coral. <i>Paleoceanography</i> , 2000, 15, 465-470.	3.0	141
54	A coral $\delta^{18}O$ record of ENSO driven sea surface salinity variability in Fiji (south-western tropical) <i>Tellus</i> , 2000, 32, 101-110.	4.0	67

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55	Climatic variability in the vicinity of Wallis, Futuna, and Samoa islands (13°â€“15° S, 180°â€“170° W). <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeene De Oceanologie</i> , 1999, 22, 249-263.	0.7	10
56	Zonal displacement of the western equatorial Pacific "fresh pool". <i>Journal of Geophysical Research</i> , 1998, 103, 1087-1098.	3.3	130
57	Sea surface salinity changes along the Fiji-Japan shipping track during the 1996 La Niña and 1997 El Niño period. <i>Geophysical Research Letters</i> , 1998, 25, 3169-3172.	4.0	19
58	Observed surface oceanic and atmospheric variability in the tropical Pacific at seasonal and ENSO timescales: A tentative overview. <i>Journal of Geophysical Research</i> , 1998, 103, 18611-18633.	3.3	105
59	Precipitation and sea-surface salinity in the tropical Pacific Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1996, 43, 1123-1141.	1.4	121
60	Mechanism of the Zonal Displacements of the Pacific Warm Pool: Implications for ENSO. <i>Science</i> , 1996, 274, 1486-1489.	12.6	350
61	Equatorial wave sequence associated with warm pool displacements during the 1986â€“1989 El Niño-La Niña. <i>Journal of Geophysical Research</i> , 1995, 100, 18393.	3.3	106
62	Large-scale current and thermohaline structures along 156°E during the COARE intensive observation period. <i>Geophysical Research Letters</i> , 1994, 21, 2681-2684.	4.0	31
63	Geosat-derived sea level and surface current anomalies in the equatorial Pacific during the 1986â€“1989 El Niño and La Niña. <i>Journal of Geophysical Research</i> , 1994, 99, 25093.	3.3	91
64	Seasonal and interannual variability of sea surface temperatures in the tropical Pacific, 1969â€“1991. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1993, 40, 2217-2228.	1.4	12
65	Effects of westerly wind bursts upon the western equatorial Pacific Ocean, Februaryâ€“April 1991. <i>Journal of Geophysical Research</i> , 1993, 98, 16379-16385.	3.3	40
66	Comparison of Profiling Current Meter and Shipboard ADCP Measurements in the Western Equatorial Pacific. <i>Journal of Atmospheric and Oceanic Technology</i> , 1992, 9, 867-871.	1.3	4
67	Variation of the western equatorial Pacific Ocean, 1986â€“1988. <i>Journal of Geophysical Research</i> , 1992, 97, 5423-5445.	3.3	85
68	Equatorial Kelvin and Rossby waves evidenced in the Pacific Ocean through Geosat sea level and surface current anomalies. <i>Journal of Geophysical Research</i> , 1991, 96, 3249-3262.	3.3	98
69	Seasonal and interannual variations of sea surface salinity in the tropical Pacific Ocean. <i>Journal of Geophysical Research</i> , 1991, 96, 22135-22150.	3.3	181
70	Mechanisms of subsurface thermal structure and sea surface thermohaline variabilities in the southwestern tropical Pacific during 1975â€“85. <i>Journal of Marine Research</i> , 1989, 47, 777-812.	0.3	42
71	Observations of the Equatorial Intermediate Current in the Western Pacific Ocean (165°E). <i>Journal of Physical Oceanography</i> , 1988, 18, 363-366.	1.7	25
72	Upper Ocean Water Masses and Transports in the Western Tropical Pacific (165°E). <i>Journal of Physical Oceanography</i> , 1987, 17, 2248-2262.	1.7	70

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73	Estimates of Heat Content Variations from Sea Level Measurements in the Central and Western Tropical Pacific from 1979 to 1985. <i>Journal of Physical Oceanography</i> , 1987, 17, 725-734.	1.7	11
74	Net heat gain of the tropical Pacific Ocean computed from subsurface ocean data and wind stress data. <i>Deep-sea Research Part A, Oceanographic Research Papers</i> , 1987, 34, 33-43.	1.5	5