

Thierry Delcroix

List of Publications by Year in descending order

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74
papers

4,700
citations

81900

39
h-index

98798

67
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79
all docs

79
docs citations

79
times ranked

3121
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of the Zonal Displacements of the Pacific Warm Pool: Implications for ENSO. <i>Science</i> , 1996, 274, 1486-1489.	12.6	350
2	Sea level variations at tropical Pacific islands since 1950. <i>Global and Planetary Change</i> , 2012, 80-81, 85-98.	3.5	236
3	Observed freshening and warming of the western Pacific Warm Pool. <i>Climate Dynamics</i> , 2009, 33, 565-589.	3.8	221
4	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
5	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
6	Zonal displacement of the western equatorial Pacific "fresh pool". <i>Journal of Geophysical Research</i> , 1998, 103, 1087-1098.	3.3	130
7	Satellite and In Situ Salinity: Understanding Near-Surface Stratification and Subfootprint Variability. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1391-1407.	3.3	126
8	Contrasting the flavors of El Niño-Southern Oscillation using sea surface salinity observations. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	122
9	Near-Surface Salinity as Nature's Rain Gauge to Detect Human Influence on the Tropical Water Cycle. <i>Journal of Climate</i> , 2012, 25, 958-977.	3.2	122
10	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
11	Equatorial wave sequence associated with warm pool displacements during the 1986-1989 El Niño-La Niña. <i>Journal of Geophysical Research</i> , 1995, 100, 18393.	3.3	106
12	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
13	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
14	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
15	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
16	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
17	Surface salinity in the Atlantic Ocean (30°S-50°N). <i>Progress in Oceanography</i> , 2007, 73, 311-340.	3.2	97
18	Barrier layer variability in the western Pacific warm pool from 2000 to 2007. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	94

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19	Decadal variations and trends in tropical Pacific sea surface salinity since 1970. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	92
20	Geosat-derived sea level and surface current anomalies in the equatorial Pacific during the 1986–1989 El Niño and La Niña. <i>Journal of Geophysical Research</i> , 1994, 99, 25093.	3.3	91
21	Variation of the western equatorial Pacific Ocean, 1986–1988. <i>Journal of Geophysical Research</i> , 1992, 97, 5423-5445.	3.3	85
22	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
23	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
24	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
25	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
26	Estimating ENSO Influence on the Global Mean Sea Level, 1993–2010. <i>Marine Geodesy</i> , 2012, 35, 82-97.	2.0	76
27	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
28	An assessment of the mixed layer salinity budget in the tropical Pacific Ocean. <i>Observations and modelling (1990–2009)</i> . <i>Ocean Dynamics</i> , 2013, 63, 179-194.	2.2	74
29	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
30	A coral $\delta^{18}O$ record of ENSO driven sea surface salinity variability in Fiji (south-western tropical) <i>Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 3</i>	4.0	67
31	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
32	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
33	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
34	Spatial trend patterns in the Pacific Ocean sea level during the altimetry era: the contribution of thermocline depth change and internal climate variability. <i>Ocean Dynamics</i> , 2015, 65, 341-356.	2.2	56
35	The French contribution to the voluntary observing ships network of sea surface salinity. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2015, 105, 1-18.	1.4	54
36	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

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37	Is anthropogenic sea level fingerprint already detectable in the Pacific Ocean?. Environmental Research Letters, 2015, 10, 084024.	5.2	44
38	Mechanisms of subsurface thermal structure and sea surface thermohaline variabilities in the southwestern tropical Pacific during 1975â€“85. Journal of Marine Research, 1989, 47, 777-812.	0.3	42
39	Sea surface salinity changes in the East China Sea during 1997-2001: Influence of the Yangtze River. Journal of Geophysical Research, 2002, 107, SRF 9-1-SRF 9-11.	3.3	42
40	Effects of westerly wind bursts upon the western equatorial Pacific Ocean, Februaryâ€“April 1991. Journal of Geophysical Research, 1993, 98, 16379-16385.	3.3	40
41	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 1997â€“1998 El NiÃ±o. Journal of Geophysical Research, 2003, 108, .	3.3	40
42	Annual Reversal of the Equatorial Intermediate Current in the Pacific: Observations and Model Diagnostics. Journal of Physical Oceanography, 2010, 40, 915-933.	1.7	40
43	Analyzing the 2010â€“2011 La NiÃ±a 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
44	Modeled and observed impacts of the 1997-1998 El NiÃ±o on nitrate and new production in the equatorial Pacific. Journal of Geophysical Research, 2001, 106, 26879-26898.	3.3	36
45	SPCZ migration and ENSO events during the 20th century as revealed by climate proxies from a Fiji coral. Geophysical Research Letters, 2006, 33, .	4.0	36
46	Interannual sea level changes and associated mass transports in the tropical Pacific from TOPEX/Poseidon data and linear model results (1964â€“1999). Journal of Geophysical Research, 2002, 107, 17-1.	3.3	35
47	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
48	Eddy Tracking in the Northwestern Indian Ocean During Southwest Monsoon Regimes. Geophysical Research Letters, 2018, 45, 6594-6603.	4.0	34
49	Large-scale current and thermohaline structures along 156Â°E during the COARE intensive observation period. Geophysical Research Letters, 1994, 21, 2681-2684.	4.0	31
50	Little Ice Age sea surface temperature variability in the southwest tropical Pacific. Geophysical Research Letters, 2001, 28, 3477-3480.	4.0	28
51	Eddyâ€“induced Salinity Changes in the Tropical Pacific. Journal of Geophysical Research: Oceans, 2019, 124, 374-389.	2.6	26
52	Observations of the Equatorial Intermediate Current in the Western Pacific Ocean (165Â°E). Journal of Physical Oceanography, 1988, 18, 363-366.	1.7	25
53	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
54	Upper and intermediate circulation in the western equatorial Pacific Ocean in October 1999 and April 2000. Geophysical Research Letters, 2006, 33, n/a-n/a.	4.0	23

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55	Variations of the tropical Atlantic and Pacific SSS minimum zones and their relations to the ITCZ and SPCZ rain bands (1979-2009). <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 5090-5100.	2.6	23
56	ENSO-Related Precipitation Changes in New Caledonia, Southwestern Tropical Pacific: 1969-1998. <i>Monthly Weather Review</i> , 2000, 128, 3001-3006.	1.4	21
57	Sea Surface Salinity Signature of the Tropical Atlantic Interannual Climatic Modes. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7420-7437.	2.6	20
58	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
59	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
60	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
61	Sea surface temperature and salinity seasonal changes in the western Solomon and Bismarck Seas. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 2642-2657.	2.6	15
62	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
63	Seasonal and interannual variability of sea surface temperatures in the tropical Pacific, 1969-1991. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 1993, 40, 2217-2228.	1.4	12
64	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
65	On the Variability of the Tropical Pacific Thermal Structure during the 1979-1996 Period, as Deduced from XBT Sections. <i>Journal of Physical Oceanography</i> , 2000, 30, 3261-3269.	1.7	11
66	Climatic variability in the vicinity of Wallis, Futuna, and Samoa islands (13°S, 180°W). <i>Oceanologica Acta: European Journal of Oceanology - Revue Europeenne De Oceanologie</i> , 1999, 22, 249-263.	0.7	10
67	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
68	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
69	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
70	Le Service national d'observation de la salinité de surface de la mer : 50 ans de mesures océaniques globales. <i>La Météorologie</i> , 2020, , 029.	0.5	1
71	Le changement climatique : une réalité pour l'outre-mer français. <i>La Météorologie</i> , 2009, 8, 33.	0.5	1
72	Le phénomène La Niña et la « catastrophe écologique » de l'île de Pâques. <i>La Météorologie</i> , 2018, 542.		1

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73	Correction to "SPCZ migration and ENSO events during the 20th century as revealed by climate proxies from a Fiji coral". Geophysical Research Letters, 2007, 34, .	4.0	0
74	A theoretical model to analyze the Central to Eastern Pacific El Niño continuum. Ocean Modelling, 2018, 130, 140-159.	2.4	0