William S Kessler

List of Publications by Year
in descending order

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40 papers	4,864 citations	159525 30 h-index	315616 38 g-index
40 all docs	40 docs citations	40 times ranked	3685 citing authors

#	Article	IF	Citations
1	Tropical Pacific Observing System. Frontiers in Marine Science, 2019, 6, .	1.2	56
2	Equatorward western boundary transport from the South Pacific: Glider observations, dynamics and consequences. Progress in Oceanography, 2019, 175, 208-225.	1.5	15
3	Charging El NiÃ±o with off-equatorial westerly wind events. Climate Dynamics, 2016, 47, 1111-1125.	1.7	23
4	Pacific western boundary currents and their roles in climate. Nature, 2015, 522, 299-308.	13.7	474
5	ENSOâ€driven interhemispheric Pacific mass transports. Journal of Geophysical Research: Oceans, 2014, 119, 6221-6237.	1.0	21
6	Mesoscale variability and its seasonality in the Solomon and Coral Seas. Journal of Geophysical Research: Oceans, 2014, 119, 4669-4687.	1.0	29
7	ENSO and Short-Term Variability of the South Equatorial Current Entering the Coral Sea. Journal of Physical Oceanography, 2013, 43, 956-969.	0.7	41
8	Gliders Measure Western Boundary Current Transport from the South Pacific to the Equator*. Journal of Physical Oceanography, 2012, 42, 2001-2013.	0.7	60
9	Intermediate Zonal Jets in the Tropical Pacific Ocean Observed by Argo Floats*. Journal of Physical Oceanography, 2012, 42, 1475-1485.	0.7	72
10	The oceans. , 2012, , 199-246.		2
11	Observed circulation in the Solomon Sea from SADCP data. Progress in Oceanography, 2011, 88, 116-130.	1.5	59
12	Tropical Cells and a Secondary Circulation near the Northern Front of the Equatorial Pacific Cold Tongue*. Journal of Physical Oceanography, 2010, 40, 2091-2106.	0.7	18
13	Three-Dimensional Structure of Tropical Cells in the Central Equatorial Pacific Ocean*. Journal of Physical Oceanography, 2009, 39, 27-49.	0.7	21
14	Source of the 70-Day Mesoscale Eddy Variability in the Coral Sea and the North Fiji Basin*. Journal of Physical Oceanography, 2009, 39, 404-420.	0.7	36
15	Distinct 17- and 33-Day Tropical Instability Waves in Subsurface Observations*. Journal of Physical Oceanography, 2007, 37, 855-872.	0.7	97
16	The Annual Cycle of Circulation of the Southwest Subtropical Pacific, Analyzed in an Ocean GCM*. Journal of Physical Oceanography, 2007, 37, 1610-1627.	0.7	69
17	Observed horizontal temperature advection by tropical instability waves. Geophysical Research Letters, 2007, 34, .	1.5	48
18	Wind-driven zonal jets in the South Pacific Ocean. Geophysical Research Letters, 2006, 33, .	1.5	25

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19	The circulation of the eastern tropical Pacific: A review. Progress in Oceanography, 2006, 69, 181-217.	1.5	619
20	The oceans. , 2005, , 175-222.		22
21	Airâ€“Sea Interaction over the Eastern Pacific Warm Pool: Gap Winds, Thermocline Dome, and Atmospheric Convection*. Journal of Climate, 2005, 18, 5-20.	1.2	150
22	Sverdrup and Nonlinear Dynamics of the Pacific Equatorial Currents*. Journal of Physical Oceanography, 2003, 33, 994-1008.	0.7	86
23	The Pacific Cold Tongue: A Pathway for Interhemispheric Exchange*. Journal of Physical Oceanography, 2003, 33, 1027-1043.	0.7	46
24	Mean Three-Dimensional Circulation in the Northeast Tropical Pacific*. Journal of Physical Oceanography, 2002, 32, 2457-2471.	0.7	80
25	Is ENSO a cycle or a series of events?. Geophysical Research Letters, 2002, 29, 40-1-40-4.	1.5	249
26	Seasonal and interannual modulation of mixed layer variability at 0Â°, 110Â°W. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 1-17.	0.6	43
27	Direct measurements of upper ocean currents and water properties across the tropical Pacific during the 1990s. Progress in Oceanography, 2002, 52, 31-61.	1.5	305
28	EOF Representations of the Maddenâ€“Julian Oscillation and Its Connection with ENSO*. Journal of Climate, 2001, 14, 3055-3061.	1.2	213
29	Rectification of the Maddenâ€“Julian Oscillation into the ENSO Cycle. Journal of Climate, 2000, 13, 3560-3575.	1.2	273
30	Interannual Variability of the Subsurface High Salinity Tongue South of the Equator at 165Â°E*. Journal of Physical Oceanography, 1999, 29, 2038-2049.	0.7	69
31	Evolution of mixed Rossby gravity waves. Journal of Geophysical Research, 1998, 103, 5331-5346.	3.3	8
32	The Annual Cycle of SST in the Eastern Tropical Pacific, Diagnosed in an Ocean GCM*. Journal of Climate, 1998, 11, 777-799.	1.2	120
33	Scales of Variability in the Equatorial Pacific Inferred form Tropical Atmosphere-Ocean Buoy Array. Journal of Climate, 1996, 9, 2999-3024.	1.2	44
34	Oceanic Equatorial Waves and the 1991â€“93 El NiÃ±o. Journal of Climate, 1995, 8, 1757-1774.	1.2	181
35	Forcing of intraseasonal Kelvin waves in the equatorial Pacific. Journal of Geophysical Research, 1995, 100, 10613.	3.3	370
36	The 1991â€“1993 El NiÃ±o in the central Pacific. Deep-Sea Research Part II: Topical Studies in Oceanography, 1995, 42, 295-333.	0.6	142

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37	The Annual Wind-driven Rossby Wave in the Subthermocline Equatorial Pacific. Journal of Physical Oceanography, 1993, 23, 1192-1207.	0.7	143
38	Variations of zonal currents in the central tropical Pacific during 1970 to 1987: Sea level and dynamic height measurements. Journal of Geophysical Research, 1991, 96, 12599-12618.	3.3	48
39	Observations of long Rossby waves in the northern tropical Pacific. Journal of Geophysical Research, 1990, 95, 5183-5217.	3.3	326
40	Dynamic Heights and Zonal Geostrophic Transports in the Central Tropical Pacific during 1979â€“84. Journal of Physical Oceanography, 1987, 17, 97-122.	0.7	161