

# William S Kessler

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The circulation of the eastern tropical Pacific: A review. <i>Progress in Oceanography</i> , 2006, 69, 181-217.	1.5	619
2	Pacific western boundary currents and their roles in climate. <i>Nature</i> , 2015, 522, 299-308.	13.7	474
3	Forcing of intraseasonal Kelvin waves in the equatorial Pacific. <i>Journal of Geophysical Research</i> , 1995, 100, 10613.	3.3	370
4	Observations of long Rossby waves in the northern tropical Pacific. <i>Journal of Geophysical Research</i> , 1990, 95, 5183-5217.	3.3	326
5	Direct measurements of upper ocean currents and water properties across the tropical Pacific during the 1990s. <i>Progress in Oceanography</i> , 2002, 52, 31-61.	1.5	305
6	Rectification of the Madden-Julian Oscillation into the ENSO Cycle. <i>Journal of Climate</i> , 2000, 13, 3560-3575.	1.2	273
7	Is ENSO a cycle or a series of events?. <i>Geophysical Research Letters</i> , 2002, 29, 40-1-40-4.	1.5	249
8	EOF Representations of the Madden-Julian Oscillation and Its Connection with ENSO*. <i>Journal of Climate</i> , 2001, 14, 3055-3061.	1.2	213
9	Oceanic Equatorial Waves and the 1991-93 El Niño. <i>Journal of Climate</i> , 1995, 8, 1757-1774.	1.2	181
10	Dynamic Heights and Zonal Geostrophic Transports in the Central Tropical Pacific during 1979-84. <i>Journal of Physical Oceanography</i> , 1987, 17, 97-122.	0.7	161
11	Air-Sea Interaction over the Eastern Pacific Warm Pool: Gap Winds, Thermocline Dome, and Atmospheric Convection*. <i>Journal of Climate</i> , 2005, 18, 5-20.	1.2	150
12	The Annual Wind-driven Rossby Wave in the Subthermocline Equatorial Pacific. <i>Journal of Physical Oceanography</i> , 1993, 23, 1192-1207.	0.7	143
13	The 1991-1993 El Niño in the central Pacific. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1995, 42, 295-333.	0.6	142
14	The Annual Cycle of SST in the Eastern Tropical Pacific, Diagnosed in an Ocean GCM*. <i>Journal of Climate</i> , 1998, 11, 777-799.	1.2	120
15	Distinct 17- and 33-Day Tropical Instability Waves in Subsurface Observations*. <i>Journal of Physical Oceanography</i> , 2007, 37, 855-872.	0.7	97
16	Sverdrup and Nonlinear Dynamics of the Pacific Equatorial Currents*. <i>Journal of Physical Oceanography</i> , 2003, 33, 994-1008.	0.7	86
17	Mean Three-Dimensional Circulation in the Northeast Tropical Pacific*. <i>Journal of Physical Oceanography</i> , 2002, 32, 2457-2471.	0.7	80
18	Intermediate Zonal Jets in the Tropical Pacific Ocean Observed by Argo Floats*. <i>Journal of Physical Oceanography</i> , 2012, 42, 1475-1485.	0.7	72

#	ARTICLE	IF	CITATIONS
19	Interannual Variability of the Subsurface High Salinity Tongue South of the Equator at 165°E*. Journal of Physical Oceanography, 1999, 29, 2038-2049.	0.7	69
20	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
21	Gliders Measure Western Boundary Current Transport from the South Pacific to the Equator*. Journal of Physical Oceanography, 2012, 42, 2001-2013.	0.7	60
22	Observed circulation in the Solomon Sea from SADCP data. Progress in Oceanography, 2011, 88, 116-130.	1.5	59
23	Tropical Pacific Observing System. Frontiers in Marine Science, 2019, 6, .	1.2	56
24	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
25	Observed horizontal temperature advection by tropical instability waves. Geophysical Research Letters, 2007, 34, .	1.5	48
26	The Pacific Cold Tongue: A Pathway for Interhemispheric Exchange*. Journal of Physical Oceanography, 2003, 33, 1027-1043.	0.7	46
27	Scales of Variability in the Equatorial Pacific Inferred from Tropical Atmosphere-Ocean Buoy Array. Journal of Climate, 1996, 9, 2999-3024.	1.2	44
28	Seasonal and interannual modulation of mixed layer variability at 0°, 110°W. Deep-Sea Research Part I: Oceanographic Research Papers, 2002, 49, 1-17.	0.6	43
29	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
30	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
31	Mesoscale variability and its seasonality in the Solomon and Coral Seas. Journal of Geophysical Research: Oceans, 2014, 119, 4669-4687.	1.0	29
32	Wind-driven zonal jets in the South Pacific Ocean. Geophysical Research Letters, 2006, 33, .	1.5	25
33	Charging El Niño with off-equatorial westerly wind events. Climate Dynamics, 2016, 47, 1111-1125.	1.7	23
34	The oceans. , 2005, , 175-222.		22
35	Three-Dimensional Structure of Tropical Cells in the Central Equatorial Pacific Ocean*. Journal of Physical Oceanography, 2009, 39, 27-49.	0.7	21
36	ENSO-driven interhemispheric Pacific mass transports. Journal of Geophysical Research: Oceans, 2014, 119, 6221-6237.	1.0	21

#	ARTICLE	IF	CITATIONS
37	Tropical Cells and a Secondary Circulation near the Northern Front of the Equatorial Pacific Cold Tongue*. <i>Journal of Physical Oceanography</i> , 2010, 40, 2091-2106.	0.7	18
38	Equatorward western boundary transport from the South Pacific: Glider observations, dynamics and consequences. <i>Progress in Oceanography</i> , 2019, 175, 208-225.	1.5	15
39	Evolution of mixed Rossby gravity waves. <i>Journal of Geophysical Research</i> , 1998, 103, 5331-5346.	3.3	8
40	The oceans. , 2012, , 199-246.		2