Kim Cobb

List of Publications by Year
in descending order

58	6,486	109137	149479
papers	citations	35 h-index	56 g-index

63	63	63	6868
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Pacific Decadal Oscillation, Revisited. Journal of Climate, 2016, 29, 4399-4427.	1.2	877
2	El NiÃ±o/Southern Oscillation and tropical Pacific climate during the last millennium. Nature, 2003, 424, 271-276.	13.7	797
3	El NiÃ±oâ€“Southern Oscillation complexity. Nature, 2018, 559, 535-545.	13.7	702
4	ENSO and greenhouse warming. Nature Climate Change, 2015, 5, 849-859.	8.1	596
5	Highly Variable El NiÃ±oâ€“Southern Oscillation Throughout the Holocene. Science, 2013, 339, 67-70.	6.0	373
6	Millennial-scale trends in west Pacific warm pool hydrology since the Last Glacial Maximum. Nature, 2007, 449, 452-455.	13.7	324
7	Changing El NiÃ±oâ€“Southern Oscillation in a warming climate. Nature Reviews Earth & Environment, 2021, 2, 628-644.	12.2	197
8	Tropical Pacific â€“ mid-latitude teleconnections in medieval times. Climatic Change, 2007, 83, 241-285.	1.7	195
9	Diurnal to interannual rainfall Î´18O variations in northern Borneo driven by regional hydrology. Earth and Planetary Science Letters, 2013, 369-370, 108-119.	1.8	134
10	Varied Response of Western Pacific Hydrology to Climate Forcings over the Last Glacial Period. Science, 2013, 340, 1564-1566.	6.0	132
11	A central tropical Pacific coral demonstrates Pacific, Indian, and Atlantic decadal climate connections. Geophysical Research Letters, 2001, 28, 2209-2212.	1.5	129
12	Recent enhancement of central Pacific El NiÃ±o variability relative to last eight centuries. Nature Communications, 2017, 8, 15386.	5.8	126
13	Regional-scale climate influences on temporal variations of rainwater and cave dripwater oxygen isotopes in northern Borneo. Earth and Planetary Science Letters, 2007, 263, 207-220.	1.8	118
14	Monsoonâ€“tropical ocean interaction in a network of coral records spanning the 20th century. Marine Geology, 2003, 201, 207-222.	0.9	115
15	U/Th-dating living and young fossil corals from the central tropical Pacific. Earth and Planetary Science Letters, 2003, 210, 91-103.	1.8	107
16	Decadal-Scale SST and Salinity Variations in the Central Tropical Pacific: Signatures of Natural and Anthropogenic Climate Change. Journal of Climate, 2011, 24, 3294-3308.	1.2	101
17	Decadal climate variability in the tropical Pacific: Characteristics, causes, predictability, and prospects. Science, 2021, 374, eaay9165.	6.0	92
18	Enhanced El NiÃ±oâ€“Southern Oscillation Variability in Recent Decades. Geophysical Research Letters, 2020, 47, e2019GL083906.	1.5	85

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19	Effects of diagenesis on paleoclimate reconstructions from modern and young fossil corals. Geochimica Et Cosmochimica Acta, 2011, 75, 6361-6373.	1.6	78
20	A high-resolution speleothem record of western equatorial Pacific rainfall: Implications for Holocene ENSO evolution. Earth and Planetary Science Letters, 2016, 442, 61-71.	1.8	75
21	No consistent ENSO response to volcanic forcing over the last millennium. Science, 2020, 367, 1477-1481.	6.0	68
22	Dynamic symbioses reveal pathways to coral survival through prolonged heatwaves. Nature Communications, 2020, 11, 6097.	5.8	67
23	Late 20th century warming and freshening in the central tropical Pacific. Geophysical Research Letters, 2009, 36, .	1.5	61
24	Northern Borneo stalagmite records reveal West Pacific hydroclimate across MIS 5 and 6. Earth and Planetary Science Letters, 2016, 439, 182-193.	1.8	61
25	The Influence of Competing Hydroclimate Processes on Stable Isotope Ratios in Tropical Rainfall. Geophysical Research Letters, 2019, 46, 1622-1633.	1.5	61
26	A probabilistic model of chronological errors in layer-counted climate proxies: applications to annually banded coral archives. Climate of the Past, 2014, 10, 825-841.	1.3	60
27	Comparison of precipitation isotope variability across the tropical Pacific in observations and SWING2 model simulations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5867-5892.	1.2	58
28	Climatic and biotic thresholds of coral-reefÂshutdown. Nature Climate Change, 2015, 5, 369-374.	8.1	55
29	Paired stable isotopologues in precipitation and vapor: A case study of the amount effect within western tropical Pacific storms. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3290-3303.	1.2	53
30	Deciphering key processes controlling rainfall isotopic variability during extreme tropical cyclones. Nature Communications, 2019, 10, 4321.	5.8	52
31	Constraints on the salinityâ€“oxygen isotope relationship in the central tropical Pacific Ocean. Marine Chemistry, 2014, 161, 26-33.	0.9	50
32	Transformation of ENSOâ€related rainwater to dripwater Î´¹⁸O variability by vadose water mixing. Geophysical Research Letters, 2014, 41, 7907-7915.	1.5	49
33	Spatiotemporal variability in the Î´ ¹⁸ Oâ€salinity relationship of seawater across the tropical Pacific Ocean. Paleoceanography, 2017, 32, 484-497.	3.0	47
34	Modes of climate variability: Synthesis and review of proxy-based reconstructions through the Holocene. Earth-Science Reviews, 2020, 209, 103286.	4.0	41
35	Data Descriptor: Daily observations of stable isotope ratios of rainfall in the tropics. Scientific Reports, 2019, 9, 14419.	1.6	40
36	Intercolony Î´¹⁸O and Sr/Ca variability among Porites spp. corals at Palmyra Atoll: Toward more robust coralâ€based estimates of climate. Geochemistry, Geophysics, Geosystems, 2019, 20, 5270-5284.	1.0	37

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37	PaCTS 1.0: A Crowdsourced Reporting Standard for Paleoclimate Data. Paleoceanography and Paleoclimatology, 2019, 34, 1570-1596.	1.3	30
38	Coralâ€Derived Western Pacific Tropical Sea Surface Temperatures During the Last Millennium. Geophysical Research Letters, 2018, 45, 3542-3549.	1.5	27
39	Coral records of central tropical Pacific radiocarbon variability during the last millennium. Paleoceanography, 2010, 25, n/a-n/a.	3.0	24
40	Characterizing seawater oxygen isotopic variability in a regional ocean modeling framework: Implications for coral proxy records. Paleoceanography, 2015, 30, 1573-1593.	3.0	23
41	Seasonal and ENSO Influences on the Stable Isotopic Composition of GalÃ¡pagos Precipitation. Journal of Geophysical Research D: Atmospheres, 2018, 123, 261-275.	1.2	18
42	Twentieth Century Seawater Î´¹⁸O Dynamics and Implications for Coralâ€Based Climate Reconstruction. Paleoceanography and Paleoclimatology, 2018, 33, 606-625.	1.3	17
43	In situ and remotely sensed temperature comparisons on a Central Pacific atoll. Coral Reefs, 2019, 38, 1343-1349.	0.9	17
44	A comparison of <scp>U</scp>/<scp>T</scp>h and rapidâ€screen ¹⁴<scp>C</scp> dates from <scp>L</scp>ine <scp>I</scp>sland fossil corals. Geochemistry, Geophysics, Geosystems, 2016, 17, 833-845.	1.0	16
45	Climate research priorities for policy-makers, practitioners, and scientists in Georgia, USA. Environmental Management, 2018, 62, 190-209.	1.2	15
46	Extended Cave Drip Water Time Series Captures the 2015â€“2016 El NiÃ±o in Northern Borneo. Geophysical Research Letters, 2020, 47, no.	1.5	14
47	A Continuous Record of Central Tropical Pacific Climate Since the Midnineteenth Century Reconstructed From Fanning and Palmyra Island Corals: A Case Study in Coral Data Reanalysis. Paleoceanography and Paleoclimatology, 2020, 35, e2020PA003848.	1.3	12
48	Porites coral response to an oceanographic and human impact gradient in the Line Islands. Limnology and Oceanography, 2017, 62, 2850-2863.	1.6	11
49	Termination 1 Millennialâ€Scale Rainfall Events Over the Sunda Shelf. Geophysical Research Letters, 2022, 49, .	1.5	11
50	Translating a Global Emission-Reduction Framework for Subnational Climate Action: A Case Study from the State of Georgia. Environmental Management, 2021, 67, 205-227.	1.2	10
51	Reproducibility of Coral Mn/Caâ€Based Wind Reconstructions at Kiritimati Island and Butaritari Atoll. Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009398.	1.0	5
52	Correction to â€œLate 20th century warming and freshening in the central tropical Pacificâ€. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	4
53	Coral Oxygen Isotopic Records Capture the 2015/2016 El NiÃ±o Event in the Central Equatorial Pacific. Geophysical Research Letters, 2021, 48, .	1.5	3
54	Central Equatorial Pacific Warming and Freshening in the Twentieth Century: Insights From a Coral Ensemble Approach. Geophysical Research Letters, 2022, 49, .	1.5	2

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55	Appreciation of 2017 GRL Peer Reviewers. Geophysical Research Letters, 2018, 45, 4494-4528.	1.5	0
56	Thank You to Our 2018 Peer Reviewers. Geophysical Research Letters, 2019, 46, 12608-12636.	1.5	0
57	Response to Comment on â€œNo consistent ENSO response to volcanic forcing over the last millenniumâ€• Science, 2020, 369, .	6.0	0
58	A mechanistic investigation of the coral Mn/Ca-based trade-wind proxy at Kiritimati. Geochimica Et Cosmochimica Acta, 2022, 328, 58-75.	1.6	0