

Thomas Felis

List of Publications by Year in descending order

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64
papers

2,897
citations

186265

28
h-index

182427

51
g-index

73
all docs

73
docs citations

73
times ranked

3113
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of the Deglacial Buildup of the Great Barrier Reef for the Global Carbon Cycle. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	4
2	Monthly resolved coral barium isotopes record increased riverine inputs during the South Asian summer monsoon. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 329, 152-167.	3.9	5
3	Mid to late 20th century freshening of the western tropical South Atlantic triggered by southward migration of the Intertropical Convergence Zone. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 597, 111013.	2.3	3
4	Slow-growing reef corals as climate archives: A case study of the Middle Eocene Climatic Optimum 40 Ma ago. <i>Science Advances</i> , 2022, 8, .	10.3	1
5	A review of last interglacial sea-level proxies in the western Atlantic and southwestern Caribbean, from Brazil to Honduras. <i>Earth System Science Data</i> , 2021, 13, 4819-4845.	9.9	7
6	Coral Record of Younger Dryas Chronozone Warmth on the Great Barrier Reef. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2020PA003962.	2.9	5
7	Extending the Instrumental Record of Ocean-Atmosphere Variability into the Last Interglacial Using Tropical Corals. <i>Oceanography</i> , 2020, 33, .	1.0	10
8	Tropical Atlantic Cooling and Freshening in the Middle of the Last Interglacial From Coral Proxy Records. <i>Geophysical Research Letters</i> , 2019, 46, 8289-8299.	4.0	3
9	PaCTS 1.0: A Crowdsourced Reporting Standard for Paleoclimate Data. <i>Paleoceanography and Paleoclimatology</i> , 2019, 34, 1570-1596.	2.9	30
10	Consistent CO ₂ release by pyrite oxidation on continental shelves prior to glacial terminations. <i>Nature Geoscience</i> , 2019, 12, 929-934.	12.9	19
11	Pacing of Red Sea Deep Water Renewal During the Last Centuries. <i>Geophysical Research Letters</i> , 2019, 46, 4413-4420.	4.0	4
12	Annually-resolved coral skeletal $\delta^{138}/\delta^{134}\text{Ba}$ records: A new proxy for oceanic Ba cycling. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 247, 27-39.	3.9	30
13	Improved constraints on open-system processes in fossil reef corals by combined Th/U, Pa/U and Ra/Th dating: A case study from Aqaba, Jordan. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 459-478.	3.9	8
14	Last Interglacial Hydroclimate Seasonality Reconstructed From Tropical Atlantic Corals. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 198-213.	2.9	13
15	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , 2018, 11, 474-485.	12.9	166
16	Mild and Arid Climate in the Eastern Sahara/Arabian Desert During the Late Little Ice Age. <i>Geophysical Research Letters</i> , 2018, 45, 7112-7119.	4.0	20
17	Chemical separation and MC-ICPMS analysis of U, Th, Pa and Ra isotope ratios of carbonates. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1372-1383.	3.0	5
18	Reconstructing Climate and Environment from Coral Archives. <i>Eos</i> , 2018, 99, .	0.1	1

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19	Changes to Yucatán Peninsula precipitation associated with salinity and temperature extremes of the Caribbean Sea during the Maya civilization collapse. <i>Scientific Reports</i> , 2017, 7, 15825.	3.3	6
20	Tides in the Last Interglacial: insights from notch geometry and palaeo tidal models in Bonaire, Netherland Antilles. <i>Scientific Reports</i> , 2017, 7, 16241.	3.3	12
21	Comparing proxy and model estimates of hydroclimate variability and change over the Common Era. <i>Climate of the Past</i> , 2017, 13, 1851-1900.	3.4	93
22	Saving Our Marine Archives. <i>Eos</i> , 2017, , .	0.1	3
23	Last interglacial temperature seasonality reconstructed from tropical Atlantic corals. <i>Earth and Planetary Science Letters</i> , 2016, 449, 418-429.	4.4	24
24	²³⁰ Th/U dating of Last Interglacial brain corals from Bonaire (southern Caribbean) using bulk and theca wall material. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 178, 20-40.	3.9	59
25	Tropical Atlantic temperature seasonality at the end of the last interglacial. <i>Nature Communications</i> , 2015, 6, 6159.	12.8	35
26	Intensification of the meridional temperature gradient in the Great Barrier Reef following the Last Glacial Maximum. <i>Nature Communications</i> , 2014, 5, 4102.	12.8	72
27	Potential and limits of combining studies of coarse- and fine-grained sediments for the coastal event history of a Caribbean carbonate environment. <i>Geological Society Special Publication</i> , 2014, 388, 503-531.	1.3	13
28	Distinct modes of East Asian Winter Monsoon documented by a southern Red Sea coral record. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 1517-1533.	2.6	10
29	Constraining calcium isotope fractionation ($\delta^{44}\text{Ca}$) in modern and fossil scleractinian coral skeleton. <i>Chemical Geology</i> , 2013, 340, 49-58.	3.3	20
30	Long-term variability in the stable carbon isotopic composition of <i>Porites</i> corals at the northern Gulf of Aqaba, Red Sea. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 381-382, 1-14.	2.3	12
31	Interlaboratory study for coral Sr/Ca and other element/Ca ratio measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2013, 14, 3730-3750.	2.5	183
32	Lithium in the aragonite skeletons of massive <i>Porites</i> corals: A new tool to reconstruct tropical sea surface temperatures. <i>Paleoceanography</i> , 2013, 28, 143-152.	3.0	61
33	Controls of Caribbean surface hydrology during the mid- to late Holocene: insights from monthly resolved coral records. <i>Climate of the Past</i> , 2013, 9, 841-858.	3.4	18
34	Pronounced interannual variability in tropical South Pacific temperatures during Heinrich Stadial 1. <i>Nature Communications</i> , 2012, 3, 965.	12.8	60
35	Mid- to late Holocene changes in tropical Atlantic temperature seasonality and interannual to multidecadal variability documented in southern Caribbean corals. <i>Earth and Planetary Science Letters</i> , 2012, 331-332, 187-200.	4.4	46
36	A Review of 2000 Years of Paleoclimatic Evidence in the Mediterranean. , 2012, , 87-185.		86

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37	Carbonate clumped isotope variability in shallow water corals: Temperature dependence and growth-related vital effects. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 99, 224-242.	3.9	120
38	Laser ablation ICP-MS screening of corals for diagenetically affected areas applied to Tahiti corals from the last deglaciation. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1490-1506.	3.9	30
39	Assessing the potential of Southern Caribbean corals for reconstructions of Holocene temperature variability. <i>IOP Conference Series: Earth and Environmental Science</i> , 2010, 9, 012021.	0.3	5
40	Climate records from corals. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2010, 1, 318-331.	8.1	90
41	Pacific Decadal Oscillation documented in a coral record of North Pacific winter temperature since 1873. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	50
42	Mediterranean climate variability documented in oxygen isotope records from northern Red Sea corals – A review. <i>Global and Planetary Change</i> , 2010, 71, 232-241.	3.5	30
43	Geochemistry and skeletal structure of <i>Diploria strigosa</i> , implications for coral-based climate reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 298, 378-387.	2.3	38
44	Subtropical coral reveals abrupt early-twentieth-century freshening in the western North Pacific Ocean. <i>Geology</i> , 2009, 37, 527-530.	4.4	107
45	Evidence for tropical South Pacific climate change during the Younger Dryas and the Bølling – Allerød from geochemical records of fossil Tahiti corals. <i>Earth and Planetary Science Letters</i> , 2009, 288, 96-107.	4.4	59
46	Seasonal variations in the stable oxygen isotopic composition in <i>Porites</i> corals from the northern Gulf of Aqaba, Red Sea. <i>Geochemical Journal</i> , 2007, 41, 333-340.	1.0	11
47	IODP Expedition 310 Reconstructs Sea Level, Climatic and Environmental changes in the South Pacific during the Last Deglaciation. <i>Scientific Drilling</i> , 2007, , .	0.6	11
48	<i>Porites</i> corals from Crete (Greece) open a window into Late Miocene (10Ma) seasonal and interannual climate variability. <i>Earth and Planetary Science Letters</i> , 2006, 245, 81-94.	4.4	55
49	Winter and summer climate patterns in the European-Middle East during recent centuries as documented in a northern Red Sea coral record. <i>Holocene</i> , 2006, 16, 321-330.	1.7	10
50	Chapter 1 Mediterranean climate variability over the last centuries: A review. <i>Developments in Earth and Environmental Sciences</i> , 2006, 4, 27-148.	0.1	105
51	Distinct modes of bidecadal and multidecadal variability in a climate reconstruction of the last centuries from a South Pacific coral. <i>Climate Dynamics</i> , 2005, 25, 329-336.	3.8	9
52	$\delta^{18}\text{O}$, Sr/Ca and Mg/Ca records of <i>Porites lutea</i> corals from Leizhou Peninsula, northern South China Sea, and their applicability as paleoclimatic indicators. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005, 218, 57-73.	2.3	89
53	Increased seasonality in Middle East temperatures during the last interglacial period. <i>Nature</i> , 2004, 429, 164-168.	27.8	251
54	Effect of skeletal growth and lack of species effects in the skeletal oxygen isotope climate signal within the coral genus <i>Porites</i> . <i>Marine Geology</i> , 2004, 207, 193-208.	2.1	33

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55	Corals as Climate Archive. Zeitschrift Für Europäisches Unternehmens- Und Verbraucherrecht, 2004, , 91-108.	0.2	4
56	U-series dating of diagenetically altered fossil reef corals. Earth and Planetary Science Letters, 2004, 218, 163-178.	4.4	93
57	Detection of Climate Modes as Recorded in a Seasonal-resolution Coral Record Covering the Last 250 Years. Zeitschrift Für Europäisches Unternehmens- Und Verbraucherrecht, 2004, , 281-292.	0.2	1
58	Mean oxygen-isotope signatures in Porites spp. corals: inter-colony variability and correction for extension-rate effects. Coral Reefs, 2003, 22, 328-336.	2.2	118
59	Shift in ENSO Teleconnections Recorded by a Northern Red Sea Coral. Journal of Climate, 2003, 16, 1414-1422.	3.2	40
60	Climate Records from Corals. , 2003, , 11-27.		27
61	Arctic Oscillation signature in a Red Sea coral. Geophysical Research Letters, 2001, 28, 2959-2962.	4.0	51
62	A coral oxygen isotope record from the northern Red Sea documenting NAO, ENSO, and North Pacific teleconnections on Middle East climate variability since the year 1750. Paleoceanography, 2000, 15, 679-694.	3.0	168
63	Vertical water mass mixing and plankton blooms recorded in skeletal stable carbon isotopes of a Red Sea coral. Journal of Geophysical Research, 1998, 103, 30731-30739.	3.3	79
64	On the relationship between Scandinavian extreme precipitation days, atmospheric blocking and Red Sea coral oxygen isotopes. , 0, , .		1