

Carles Pelejero

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65

papers

4,399

citations

35

h-index

66

g-index

72

ext. papers

4,864

ext. citations

6.6

avg, IF

4.86

L-index

#	Paper	IF	Citations
65	The geological record of ocean acidification. <i>Science</i> , 2012 , 335, 1058-63	33.3	649
64	East Asian monsoon climate during the Late Pleistocene: high-resolution sediment records from the South China Sea. <i>Marine Geology</i> , 1999 , 156, 245-284	3.3	574
63	Dansgaard-Oeschger and Heinrich event imprints in Alboran Sea paleotemperatures. <i>Paleoceanography</i> , 1999 , 14, 698-705		453
62	Preindustrial to modern interdecadal variability in coral reef pH. <i>Science</i> , 2005 , 309, 2204-7	33.3	160
61	High-resolution UK 37 temperature reconstructions in the South China Sea over the past 220 kyr. <i>Paleoceanography</i> , 1999 , 14, 224-231		157
60	Long-term sea surface temperature and climate change in the Australian-New Zealand region. <i>Paleoceanography</i> , 2007 , 22,		127
59	Identification and removal of Mn-Mg-rich contaminant phases on foraminiferal tests: Implications for Mg/Ca past temperature reconstructions. <i>Geochemistry, Geophysics, Geosystems</i> , 2005 , 6, n/a-n/a	3.6	125
58	Paleo-perspectives on ocean acidification. <i>Trends in Ecology and Evolution</i> , 2010 , 25, 332-44	10.9	112
57	Effects of climate change on Mediterranean marine ecosystems: the case of the Catalan Sea. <i>Climate Research</i> , 2011 , 50, 1-29	1.6	108
56	The correlation between the 37k index and sea surface temperatures in the warm boundary: The South China Sea. <i>Geochimica Et Cosmochimica Acta</i> , 1997 , 61, 4789-4797	5.5	103
55	Clean-up procedures for the unbiased estimation of C37 alkenone sea surface temperatures and terrigenous n-alkane inputs in paleoceanography. <i>Journal of Chromatography A</i> , 1997 , 757, 145-151	4.5	96
54	Dust-induced changes in phytoplankton composition in the Tasman Sea during the last four glacial cycles. <i>Paleoceanography</i> , 2004 , 19, n/a-n/a		89
53	Holocene variations in Asian monsoon moisture: A bidecadal sediment record from the South China Sea. <i>Geophysical Research Letters</i> , 1999 , 26, 2889-2892	4.9	84
52	Antarctic deglacial pattern in a 30 kyr record of sea surface temperature offshore South Australia. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	82
51	Detrimental effects of ocean acidification on the economically important Mediterranean red coral (<i>Corallium rubrum</i>). <i>Global Change Biology</i> , 2013 , 19, 1897-908	11.4	77
50	The flooding of Sundaland during the last deglaciation: imprints in hemipelagic sediments from the southern South China Sea. <i>Earth and Planetary Science Letters</i> , 1999 , 171, 661-671	5.3	74
49	Molecular biomarker record of sea surface temperature and climatic change in the South China Sea during the last 140,000 years. <i>Marine Geology</i> , 1999 , 156, 109-121	3.3	65

48	Characterization of contaminant phases in foraminifera carbonates by electron microprobe mapping. <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	63
47	Synchronicity of meltwater pulse 1a and the Bølling warming: New evidence from the South China Sea. <i>Geology</i> , 2003 , 31, 67	5	61
46	Precision of the current methods to measure the alkenone proxy U _{37K'} and absolute alkenone abundance in sediments: Results of an interlaboratory comparison study. <i>Geochemistry, Geophysics, Geosystems</i> , 2001 , 2, n/a-n/a	3.6	60
45	Contrasting effects of ocean acidification on the microbial food web under different trophic conditions. <i>ICES Journal of Marine Science</i> , 2016 , 73, 670-679	2.7	57
44	Rapid changes in meridional advection of Southern Ocean intermediate waters to the tropical Pacific during the last 30kyr. <i>Earth and Planetary Science Letters</i> , 2013 , 368, 20-32	5.3	56
43	Response of marine bacterioplankton pH homeostasis gene expression to elevated CO ₂ . <i>Nature Climate Change</i> , 2016 , 6, 483-487	21.4	52
42	A critical review of marine sedimentary $\delta^{13}\text{C}_{\text{org}}$ -pCO ₂ estimates: New palaeorecords from the South China Sea and a revisit of other low-latitude $\delta^{13}\text{C}_{\text{org}}$ -pCO ₂ records. <i>Global Biogeochemical Cycles</i> , 2001 , 15, 113-127	5.9	49
41	The last 3000 years in the R \ddot{e} de Vigo (NW Iberian Margin): climatic and hydrographic signals. <i>Holocene</i> , 2002 , 12, 459-468	2.6	48
40	South Tasman Sea alkenone palaeothermometry over the last four glacial/interglacial cycles. <i>Marine Geology</i> , 2006 , 230, 73-86	3.3	47
39	Terrigenous n-alkane input in the South China Sea: high-resolution records and surface sediments. <i>Chemical Geology</i> , 2003 , 200, 89-103	4.2	47
38	C37 alkenone measurements of sea surface temperature in the Gulf of Lions (NW Mediterranean). <i>Organic Geochemistry</i> , 1999 , 30, 557-566	3.1	44
37	Eastern equatorial pacific productivity and related-CO ₂ changes since the last glacial period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 5537-41	11.5	41
36	Millennial surface water dynamics in the R \ddot{e} de Vigo during the last 3000 years as revealed by coccoliths and molecular biomarkers. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2005 , 218, 1-13	2.9	41
35	The upper end of the UK ₃₇ temperature calibration revisited. <i>Geochemistry, Geophysics, Geosystems</i> , 2003 , 4,	3.6	40
34	Sea surface paleotemperature errors in UK ₃₇ estimation due to alkenone measurements near the limit of detection. <i>Paleoceanography</i> , 2001 , 16, 226-232		40
33	Interdecadal climate variability in the Coral Sea since 1708 A.D.. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007 , 248, 190-201	2.9	39
32	Differential response of two Mediterranean cold-water coral species to ocean acidification. <i>Coral Reefs</i> , 2014 , 33, 675-686	4.2	38
31	Response of rare, common and abundant bacterioplankton to anthropogenic perturbations in a Mediterranean coastal site. <i>FEMS Microbiology Ecology</i> , 2015 , 91,	4.3	37

30	Water mass age and aging driving chromophoric dissolved organic matter in the dark global ocean. <i>Global Biogeochemical Cycles</i> , 2015 , 29, 917-934	5.9	35
29	Restructuring of the sponge microbiome favors tolerance to ocean acidification. <i>Environmental Microbiology Reports</i> , 2016 , 8, 536-44	3.7	33
28	Calcification reduction and recovery in native and non-native Mediterranean corals in response to ocean acidification. <i>Journal of Experimental Marine Biology and Ecology</i> , 2012 , 438, 144-153	2.1	31
27	Increased reservoir ages and poorly ventilated deep waters inferred in the glacial Eastern Equatorial Pacific. <i>Nature Communications</i> , 2015 , 6, 7420	17.4	29
26	A latitudinal productivity band in the central North Atlantic over the last 270 kyr: An alkenone perspective. <i>Paleoceanography</i> , 2001 , 16, 617-626		25
25	An Enhanced Ocean Acidification Observing Network: From People to Technology to Data Synthesis and Information Exchange. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	24
24	Resistance of Two Mediterranean Cold-Water Coral Species to Low-pH Conditions. <i>Water (Switzerland)</i> , 2014 , 6, 59-67	3	23
23	Copepod vital rates under CO ₂ -induced acidification: a calanoid species and a cyclopid species under short-term exposures. <i>Journal of Plankton Research</i> , 2015 , 37, 912-922	2.2	20
22	Pressurized liquid extraction of selected molecular biomarkers in deep sea sediments used as proxies in paleoceanography. <i>Journal of Chromatography A</i> , 2003 , 989, 197-205	4.5	19
21	Insolation dependence of the southeastern subtropical Pacific sea surface temperature over the last 400 kyrs. <i>Geophysical Research Letters</i> , 2001 , 28, 2481-2484	4.9	19
20	Coccolithophore calcification is independent of carbonate chemistry in the tropical ocean. <i>Limnology and Oceanography</i> , 2016 , 61, 1345-1357	4.8	16
19	Lack of evidence for elevated CO ₂ -induced bottom-up effects on marine copepods: a dinoflagellate-calanoid prey-predator pair. <i>ICES Journal of Marine Science</i> , 2016 , 73, 650-658	2.7	15
18	Annual response of two Mediterranean azooxanthellate temperate corals to low-pH and high-temperature conditions. <i>Marine Biology</i> , 2016 , 163, 1	2.5	13
17	Trends in anthropogenic CO ₂ in water masses of the Subtropical North Atlantic Ocean. <i>Progress in Oceanography</i> , 2015 , 131, 21-32	3.8	12
16	The Evolution of Deep Ocean Chemistry and Respired Carbon in the Eastern Equatorial Pacific Over the Last Deglaciation. <i>Paleoceanography</i> , 2017 , 32, 1371-1385		12
15	Eutrophication and acidification: Do they induce changes in the dissolved organic matter dynamics in the coastal Mediterranean Sea?. <i>Science of the Total Environment</i> , 2016 , 563-564, 179-89	10.2	11
14	Marine Isotopic Stage 5e in the Southwest Pacific: Similarities with Antarctica and ENSO inferences. <i>Geophysical Research Letters</i> , 2003 , 30, n/a-n/a	4.9	9
13	Sensitivity effects in U ¹³⁷ paleotemperature estimation by chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , 2000 , 72, 5892-7	7.8	9

12	Varied contribution of the Southern Ocean to deglacial atmospheric CO ₂ rise. <i>Nature Geoscience</i> , 2019 , 12, 1006-1011	18.3	7
11	Ocean acidification along the 24.5°N section in the subtropical North Atlantic. <i>Geophysical Research Letters</i> , 2015 , 42, 450-458	4.9	6
10	Wind-induced changes in the dynamics of fluorescent organic matter in the coastal NW Mediterranean. <i>Science of the Total Environment</i> , 2017 , 609, 1001-1012	10.2	5
9	Using data mining and visualization techniques for the reconstruction of ocean paleodynamics		5
8	Early deglacial CO ₂ release from the Sub-Antarctic Atlantic and Pacific oceans. <i>Earth and Planetary Science Letters</i> , 2021 , 554, 116649	5.3	5
7	Anthropogenic CO ₂ changes in the Equatorial Atlantic Ocean. <i>Progress in Oceanography</i> , 2015 , 134, 256-280	3.8	4
6	Polyp flats, a new system for experimenting with jellyfish polyps, with insights into the effects of ocean acidification. <i>Limnology and Oceanography: Methods</i> , 2014 , 12, 212-222	2.6	4
5	Viral-Mediated Microbe Mortality Modulated by Ocean Acidification and Eutrophication: Consequences for the Carbon Fluxes Through the Microbial Food Web. <i>Frontiers in Microbiology</i> , 2021 , 12, 635821	5.7	4
4	Effects of low pH and feeding on calcification rates of the cold-water coral. <i>PeerJ</i> , 2020 , 8, e8236	3.1	2
3	Controls on Primary Productivity in the Eastern Equatorial Pacific, East of the Galapagos Islands, During the Penultimate Deglaciation. <i>Paleoceanography and Paleoclimatology</i> , 2020 , 35, e2019PA003777	3.3	1
2	COVID-19 lockdown moderately increased oligotrophy at a marine coastal site. <i>Science of the Total Environment</i> , 2021 , 151443	10.2	1
1	A 1-Million-Year Record of Environmental Change in the Central Mediterranean Sea From Organic Molecular Proxies. <i>Paleoceanography and Paleoclimatology</i> , 2021 , 36, e2021PA004289	3.3	1