Francesca Sangiorgi

List of Publications by Year
in descending order

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Version: 2024-02-01

89 papers	4,795 citations	136950 32 h-index	102487 66 g-index
112 all docs	112 docs citations	112 times ranked	4301 citing authors

#	Article	IF	Citations
1	New indices and calibrations derived from the distribution of crenarchaeal isoprenoid tetraether lipids: Implications for past sea surface temperature reconstructions. Geochimica Et Cosmochimica Acta, 2010, 74, 4639-4654.	3.9	575
2	Atlas of modern dinoflagellate cyst distribution based on 2405 data points. Review of Palaeobotany and Palynology, 2013, 191, 1-197.	1.5	369
3	Episodic fresh surface waters in the Eocene Arctic Ocean. Nature, 2006, 441, 606-609.	27.8	284
4	Dynamic behaviour of the East Antarctic ice sheet during Pliocene warmth. Nature Geoscience, 2013, 6, 765-769.	12.9	219
5	The early Miocene onset of a ventilated circulation regime in the Arctic Ocean. Nature, 2007, 447, 986-990.	27.8	208
6	Warm and wet conditions in the Arctic region during Eocene Thermal Maximum 2. Nature Geoscience, 2009, 2, 777-780.	12.9	167
7	Antarctic and Southern Ocean influences on Late Pliocene global cooling. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6423-6428.	7.1	158
8	Age model and coreâ€seismic integration for the Cenozoic Arctic Coring Expedition sediments from the Lomonosov Ridge. Paleoceanography, 2008, 23, .	3.0	157
9	Determining the absolute abundance of dinoflagellate cysts in recent marine sediments: The Lycopodium marker-grain method put to the test. Review of Palaeobotany and Palynology, 2009, 157, 238-252.	1.5	141
10	Arctic late Paleoceneâ€“early Eocene paleoenvironments with special emphasis on the Paleoceneâ€Eocene thermal maximum (Lomonosov Ridge, Integrated Ocean Drilling Program Expedition 302). Paleoceanography, 2008, 23, .	3.0	135
11	Antarctic ice sheet sensitivity to atmospheric CO ₂ variations in the early to mid-Miocene. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3453-3458.	7.1	133
12	Process length variation in cysts of a dinoflagellate, Lingulodinium machaerophorum, in surface sediments: Investigating its potential as salinity proxy. Marine Micropaleontology, 2009, 70, 54-69.	1.2	123
13	Early and middle Holocene in the Aegean Sea: interplay between high and low latitude climate variability. Quaternary Science Reviews, 2009, 28, 3246-3262.	3.0	117
14	Reorganization of Southern Ocean Plankton Ecosystem at the Onset of Antarctic Glaciation. Science, 2013, 340, 341-344.	12.6	97
15	Influence of deep-water derived isoprenoid tetraether lipids on the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msubsup><mml:mrow><mml:mtext>TEX</mml:mtext></mml:mrow><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:msubsup></mml:mrow></mml:math> paleothermometer in the Mediterranean Sea. Geochimica Et Cosmochimica Acta, 2015, 150, 125-141.	3.9	94
16	Reconstructing 150 years of eutrophication in the north-western Adriatic Sea (Italy) using dinoflagellate cysts, pollen and spores. Estuarine, Coastal and Shelf Science, 2004, 60, 69-79.	2.1	91
17	Molecular isotopic and dinoflagellate evidence for Late Holocene freshening of the Black Sea. Earth and Planetary Science Letters, 2008, 267, 426-434.	4.4	90
18	Southern Ocean warming and Wilkes Land ice sheet retreat during the mid-Miocene. Nature Communications, 2018, 9, 317.	12.8	80

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19	Holocene seasonal sea-surface temperature variations in the southern Adriatic Sea inferred from a multiproxy approach. Journal of Quaternary Science, 2003, 18, 723-732.	2.1	78
20	Chronostratigraphic framework for the IODP Expedition 318 cores from the Wilkes Land Margin: Constraints for paleoceanographic reconstruction. Paleoceanography, 2012, 27, .	3.0	72
21	The Eocene Arctic Azolla bloom: environmental conditions, productivity and carbon drawdown. Geobiology, 2009, 7, 155-170.	2.4	68
22	Arctic vegetation, temperature, and hydrology during Early Eocene transient global warming events. Global and Planetary Change, 2019, 178, 139-152.	3.5	68
23	Aegean Sea as driver of hydrographic and ecological changes in the eastern Mediterranean. Geology, 2007, 35, 675.	4.4	66
24	A 26 million year gap in the central Arctic record at the greenhouseâ€icehouse transition: Looking for clues. Paleoceanography, 2008, 23, .	3.0	65
25	Coccolithophorid ecostratigraphy and multi-proxy paleoceanographic reconstruction in the Southern Adriatic Sea during the last deglacial time (Core AD91-17). Palaeogeography, Palaeoclimatology, Palaeoecology, 2003, 190, 39-59.	2.3	57
26	Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica â€“ Part 3: Insights from Oligoceneâ€“Miocene TEX₈₆-based sea surface temperature reconstructions. Climate of the Past, 2018, 14, 1275-1297.	3.4	42
27	Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica â€“ Part 2: Insights from Oligoceneâ€“Miocene dinoflagellate cyst assemblages. Climate of the Past, 2018, 14, 1015-1033.	3.4	41
28	Black Sea desiccation during the Messinian Salinity Crisis: Fact or fiction?. Geology, 2014, 42, 563-566.	4.4	40
29	Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica â€“ Part 1: Insights from late Oligocene astronomically paced contourite sedimentation. Climate of the Past, 2018, 14, 991-1014.	3.4	40
30	Late Holocene sea-level rise in Tampa Bay: Integrated reconstruction using biomarkers, pollen, organic-walled dinoflagellate cysts, and diatoms. Estuarine, Coastal and Shelf Science, 2010, 86, 216-224.	2.1	39
31	A biological and geochemical integrated approach to assess the environmental quality of a coastal lagoon (Ravenna, Italy). Environment International, 2007, 33, 919-928.	10.0	35
32	Midâ€Cenozoic tectonic and paleoenvironmental setting of the central Arctic Ocean. Paleoceanography, 2008, 23, .	3.0	35
33	The distribution of sterols and organic-walled dinoflagellate cysts in surface sediments of the North-western Adriatic Sea (Italy). Estuarine, Coastal and Shelf Science, 2005, 64, 395-406.	2.1	33
34	Diatoms (Bacillariophyceae) and Dinoflagellate Cysts (Dinophyceae) from Rookery Bay, Florida, U.S.A.. Caribbean Journal of Science, 2007, 43, 23-58.	0.3	32
35	Stratigraphic calibration of Oligoceneâ€“Miocene organic-walled dinoflagellate cysts from offshore Wilkes Land, East Antarctica, and a zonation proposal. Journal of Micropalaeontology, 2018, 37, 105-138.	3.6	32
36	A centennial scale organic-walled dinoflagellate cyst record of the last deglaciation in the South Adriatic Sea (Central Mediterranean). Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 186, 199-216.	2.3	31

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37	Marine productivity leads organic matter preservation in sapropel S1: palynological evidence from a core east of the Nile River outflow. Quaternary Science Reviews, 2015, 108, 130-138.	3.0	30
38	Recurrent phases of drought in the upper Miocene of the Black Sea region. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 423, 18-31.	2.3	29
39	Cyclicity in the middle Eocene central Arctic Ocean sediment record: Orbital forcing and environmental response. Paleoceanography, 2008, 23, .	3.0	28
40	Orbitally forced Azolla blooms and Middle Eocene Arctic hydrology: Clues from palynology. Geology, 2011, 39, 427-430.	4.4	27
41	Ecosystem response to human- and climate-induced environmental stress on an anoxic coastal lagoon (Etoliko, Greece) since 1930 AD. Journal of Paleolimnology, 2015, 53, 255-270.	1.6	27
42	Pyrolysisâ€“GCâ€“MS to trace terrigenous organic matter in marine sediments: a comparison between pyrolytic and lipid markers in the Adriatic Sea. Analytica Chimica Acta, 2005, 530, 253-261.	5.4	26
43	Paratethys pacing of the Messinian Salinity Crisis: Low salinity waters contributing to gypsum precipitation?. Earth and Planetary Science Letters, 2020, 532, 116029.	4.4	26
44	Statistically assessing the correlation between salinity and morphology in cysts produced by the dinoflagellate Protoceratium reticulatum from surface sediments of the North Atlantic Ocean, Mediterraneanâ€“Marmaraâ€“Black Sea region, and Balticâ€“Kattegatâ€“Skagerrak estuarine system. Palaeogeography, Palaeoclimatology, Palaeoecology, 2014, 399, 202-213.	2.3	25
45	Phytoplankton dynamics in the eastern Mediterranean Sea during Marine Isotopic Stage 5e. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 235, 28-47.	2.3	24
46	Geochemical and micropaleontological characterisation of a Mediterranean sapropel S5: A case study from core BAN89GC09 (south of Crete). Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 235, 192-207.	2.3	22
47	Late Paleoceneâ€“early Eocene Arctic Ocean sea surface temperatures: reassessing biomarker paleothermometry at Lomonosov Ridge. Climate of the Past, 2020, 16, 2381-2400.	3.4	22
48	Foraminiferal variations and stratigraphic implications to the deposition of sapropel S5 in the eastern Mediterranean. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 235, 48-65.	2.3	21
49	The dinoflagellate cyst generaAchomosphaeraEvitt 1963 andSpiniferitesMantell 1850 in Pliocene to modern sediments: a summary of round table discussions. Palynology, 2018, 42, 10-44.	1.5	21
50	A large West Antarctic Ice Sheet explains early Neogene sea-level amplitude. Nature, 2021, 600, 450-455.	27.8	21
51	Migration of the dinoflagellate Galeacysta etrusca and its implications for the Messinian Salinity Crisis. Newsletters on Stratigraphy, 2018, 51, 73-91.	1.2	20
52	Marine productivity, water column processes and seafloor anoxia in relation to Nile discharge during sapropels S1 and S3. Quaternary Science Reviews, 2018, 200, 178-190.	3.0	18
53	Controls on the onset and termination of past hypoxia in the Baltic Sea. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 490, 347-354.	2.3	17
54	Threeâ€hundredâ€year hydrological changes in a subtropical estuary, Rookery Bay (Florida): Human impact versus natural variability. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	15

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55	Landâ€“sea coupling of early Pleistocene glacial cycles in the southern North Sea exhibit dominant Northern Hemisphere forcing. Climate of the Past, 2018, 14, 397-411.	3.4	15
56	Holocene Evolution of the Burano Paleo-Lagoon (Southern Tuscany, Italy). Water (Switzerland), 2020, 12, 1007.	2.7	15
57	A new quantitative approach to identify reworking in Eocene to Miocene pollen records from offshore Antarctica using red fluorescence and digital imaging. Biogeosciences, 2017, 14, 2089-2100.	3.3	14
58	Expedition 374 methods. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	14
59	A review of the ecological affinities of marine organic microfossils from a Holocene record offshore of AdÃ©lie Land (East Antarctica). Journal of Micropalaeontology, 2018, 37, 445-497.	3.6	14
60	Early and middle Miocene ice sheet dynamics in the Ross Sea: Results from integrated core-log-seismic interpretation. Bulletin of the Geological Society of America, 2022, 134, 348-370.	3.3	13
61	Variability in the length of the sea ice season in the Middle Eocene Arctic. Geology, 2012, 40, 727-730.	4.4	11
62	Expedition 374 summary. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	11
63	A hypocystal archeopyle in a freshwater dinoflagellate from thePeridinium umbonatumgroup (Dinophyceae) from Lake Nero di Cornisello, South Eastern Alps, Italy. European Journal of Phycology, 2009, 44, 241-250.	2.0	10
64	Comparison of qualitative and quantitative dinoflagellate cyst approaches in reconstructing glacial-interglacial climate variability at West Iberian Margin IODP â€˜Shackletonâ€™ Site U1385. Marine Micropaleontology, 2017, 136, 14-29.	1.2	10
65	Temperate Oligocene surface ocean conditions offshore of Cape Adare, Ross Sea, Antarctica. Climate of the Past, 2021, 17, 1423-1442.	3.4	9
66	Middle Miocene Temperature and Productivity Evolution at a Northeast Atlantic Shelf Site (IODP) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 36, e2020PA004059.	2.9	9
67	Late Eoceneâ€“early Miocene evolution of the southern Australian subtropical front: a marine palynological approach. Journal of Micropalaeontology, 2021, 40, 175-193.	3.6	9
68	Climate-driven connectivity changes of the Black Sea since 430Âka: Testing a dual palynological and geochemical approach. Palaeogeography, Palaeoclimatology, Palaeoecology, 2021, 561, 110069.	2.3	8
69	Where should we draw the lines between dinocyst â€œspeciesâ€? Morphological continua in Black Sea dinocysts. Journal of Micropalaeontology, 2019, 38, 55-65.	3.6	8
70	Identifying marine and freshwater overprints on soil-derived branched GDGT temperature signals in Pliocene Mississippi and Amazon River fan sediments. Organic Geochemistry, 2021, 154, 104200.	1.8	7
71	Dinoflagellate cyst distribution in surface sediments of Ambon Bay (eastern Indonesia): Environmental conditions and harmful blooms. Marine Pollution Bulletin, 2021, 166, 112269.	5.0	7
72	Peridinioid dinoflagellate cysts in a Holocene high-mountain lake deposit in Italy. Journal of Paleolimnology, 2006, 36, 315-318.	1.6	6

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73	Millennialâ€Scale Climate Variability and Dinoflagellateâ€Cystâ€Based Seasonality Changes Over the Last ~150 kyrs at â€œShackleton Siteâ€•U1385. Paleoceanography and Paleoclimatology, 2019, 34, 1139-1156.	2.9	6
74	Site U1523. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	6
75	Past Antarctic ice sheet dynamics (PAIS) and implications for future sea-level change. , 2022, , 689-768.		6
76	Multi-proxy investigation of the post-evaporitic succession of the Piedmont Basin (Pollenzo section,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Palaeoclimatology, Palaeoecology, 2022, 594, 110961.	2.3	6
77	Primary productivity in the western tropical Atlantic follows Neogene Amazon River evolution. Palaeogeography, Palaeoclimatology, Palaeoecology, 2018, 506, 12-21.	2.3	5
78	Antarctic environmental change and ice sheet evolution through the Miocene to Pliocene â€“ a perspective from the Ross Sea and George V to Wilkes Land Coasts. , 2022, , 389-521.		5
79	Sea-ice, primary productivity and ocean temperatures at the Antarctic marginal zone during late Pleistocene. Quaternary Science Reviews, 2021, 266, 107069.	3.0	4
80	Site U1524. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	4
81	Site U1521. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	4
82	Nucicla umbiliphora gen. et sp. nov.: a Quaternary peridinioid dinoflagellate cyst from the Antarctic margin. Palynology, 2019, 43, 94-103.	1.5	3
83	Hydrological Changes in Restricted Basins: Insights From Strontium Isotopes on Late Mioceneâ€Pliocene Connectivity of the Eastern Paratethys (Dacian Basin, Romania). Geochemistry, Geophysics, Geosystems, 2021, 22, e2020GC009369.	2.5	3
84	Site U1522. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	3
85	Site U1525. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	3
86	(2450â€“2451) Proposals to conserve the names Selenopemphix against Margosphaera, and S. nephroides against M. velata (Dinophyceae). Taxon, 2016, 65, 636-637.	0.7	2
87	Sr isotope-salinity modelling constraints on Quaternary Black Sea connectivity. Quaternary Science Reviews, 2021, 273, 107254.	3.0	2
88	A Ternary Mixing Model Approach Using Benthic Foraminifer Î´13 Câ€Î´18 O Data to Reconstruct Late Pliocene Deep Atlantic Water Mass Mixing. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003804.	2.9	2
89	Pliocene evolution of the tropical Atlantic thermocline depth. Climate of the Past, 2022, 18, 961-973.	3.4	1