

Daniele Colombaroli

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

4,970
citations

94433

37
h-index

95266

68
g-index

81
all docs

81
docs citations

81
times ranked

5569
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in fire regimes since the Last Glacial Maximum: an assessment based on a global synthesis and analysis of charcoal data. <i>Climate Dynamics</i> , 2008, 30, 887-907.	3.8	590
2	Long-term perspective on wildfires in the western USA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E535-43.	7.1	425
3	Climate versus human-driven fire regimes in Mediterranean landscapes: the Holocene record of Lago dell'Accesa (Tuscany, Italy). <i>Quaternary Science Reviews</i> , 2008, 27, 1181-1196.	3.0	205
4	Predictability of biomass burning in response to climate changes. <i>Global Biogeochemical Cycles</i> , 2012, 26, .	4.9	201
5	North-south palaeohydrological contrasts in the central Mediterranean during the Holocene: tentative synthesis and working hypotheses. <i>Climate of the Past</i> , 2013, 9, 2043-2071.	3.4	195
6	Holocene environmental and climatic changes at Gorgo Basso, a coastal lake in southern Sicily, Italy. <i>Quaternary Science Reviews</i> , 2009, 28, 1498-1510.	3.0	192
7	The past ecology of <i>Abies alba</i> provides new perspectives on future responses of silver fir forests to global warming. <i>Ecological Monographs</i> , 2013, 83, 419-439.	5.4	176
8	Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , 2018, 11, 474-485.	12.9	166
9	Long-term interactions between Mediterranean climate, vegetation and fire regime at Lago di Massaciucoli (Tuscany, Italy). <i>Journal of Ecology</i> , 2007, 95, 755-770.	4.0	134
10	Fire-vegetation interactions during the Mesolithic-Neolithic transition at Lago dell'Accesa, Tuscany, Italy. <i>Holocene</i> , 2008, 18, 679-692.	1.7	121
11	Mid- and late-Holocene vegetation and fire history at Biviere di Gela, a coastal lake in southern Sicily, Italy. <i>Vegetation History and Archaeobotany</i> , 2009, 18, 371-387.	2.1	92
12	A Review of 2000 Years of Paleoclimatic Evidence in the Mediterranean. , 2012, , 87-185.		86
13	The origin and spread of olive cultivation in the Mediterranean Basin: The fossil pollen evidence. <i>Holocene</i> , 2019, 29, 902-922.	1.7	84
14	Climatic control of the biomass-burning decline in the Americas after 1500. <i>Holocene</i> , 2013, 23, 3-13.	1.7	83
15	Long-term hydrological dynamics and fire history over the last 2000 years in CE Europe reconstructed from a high-resolution peat archive. <i>Quaternary Science Reviews</i> , 2015, 112, 138-152.	3.0	82
16	High-resolution late-glacial chronology for the Gerzensee lake record (Switzerland): 180 correlation between a Gerzensee-stack and NGRIP. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 391, 13-24.	2.3	81
17	Reconstructing Disturbances and Their Biogeochemical Consequences over Multiple Timescales. <i>BioScience</i> , 2014, 64, 105-116.	4.9	80
18	Highly episodic fire and erosion regime over the past 2,000 y in the Siskiyou Mountains, Oregon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18909-18914.	7.1	75

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19	The sedimentary and remote-sensing reflection of biomass burning in Europe. <i>Global Ecology and Biogeography</i> , 2018, 27, 199-212.	5.8	73
20	Response of broadleaved evergreen Mediterranean forest vegetation to fire disturbance during the Holocene: insights from the peri-Adriatic region. <i>Journal of Biogeography</i> , 2009, 36, 314-326.	3.0	71
21	Species responses to fire, climate and human impact at tree line in the Alps as evidenced by palaeo-environmental records and a dynamic simulation model. <i>Journal of Ecology</i> , 2010, 98, 1346-1357.	4.0	71
22	7000-year human legacy of elevation-dependent European fire regimes. <i>Quaternary Science Reviews</i> , 2016, 132, 206-212.	3.0	70
23	Changes in biodiversity and vegetation composition in the central Swiss Alps during the transition from pristine forest to first farming. <i>Diversity and Distributions</i> , 2013, 19, 157-170.	4.1	69
24	Determining the long-term changes in biodiversity and provisioning services along a transect from Central Europe to the Mediterranean. <i>Holocene</i> , 2013, 23, 1625-1634.	1.7	69
25	Long-term man-environment interactions in the Bolivian Amazon: 8000 years of vegetation dynamics. <i>Quaternary Science Reviews</i> , 2016, 132, 114-128.	3.0	68
26	Impacts of changing climate and land use on vegetation dynamics in a Mediterranean ecosystem: insights from paleoecology and dynamic modeling. <i>Landscape Ecology</i> , 2013, 28, 819-833.	4.2	65
27	A novel testate amoebae trait-based approach to infer environmental disturbance in Sphagnum peatlands. <i>Scientific Reports</i> , 2016, 6, 33907.	3.3	57
28	Reviving extinct Mediterranean forest communities may improve ecosystem potential in a warmer future. <i>Frontiers in Ecology and the Environment</i> , 2015, 13, 356-362.	4.0	56
29	Early human impact (5000-3000 BC) affects mountain forest dynamics in the Swiss Alps. <i>Journal of Ecology</i> , 2015, 103, 281-295.	4.0	56
30	Land-use history as a guide for forest conservation and management. <i>Conservation Biology</i> , 2018, 32, 84-97.	4.7	54
31	Humans take control of fire-driven diversity changes in Mediterranean Iberia's vegetation during the mid-late Holocene. <i>Holocene</i> , 2019, 29, 886-901.	1.7	54
32	Climatic and human impacts on mountain vegetation at Lauenensee (Bernese Alps, Switzerland) during the last 14,000 years. <i>Holocene</i> , 2013, 23, 1415-1427.	1.7	48
33	Contrasting long-term records of biomass burning in wet and dry savannas of equatorial East Africa. <i>Global Change Biology</i> , 2014, 20, 2903-2914.	9.5	45
34	Holocene vegetation and fire history of the mountains of Northern Sicily (Italy). <i>Vegetation History and Archaeobotany</i> , 2016, 25, 499-519.	2.1	44
35	Early to mid-Holocene climate change at Lago dell'Accesa (central Italy): climate signal or anthropogenic bias?. <i>Journal of Quaternary Science</i> , 2010, 25, 1239-1247.	2.1	43
36	Global Modern Charcoal Dataset (GMCD): A tool for exploring proxy-fire linkages and spatial patterns of biomass burning. <i>Quaternary International</i> , 2018, 488, 3-17.	1.5	43

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37	Combining charcoal sediment and molecular markers to infer a Holocene fire history in the Maya Lowlands of Pet�n, Guatemala. <i>Quaternary Science Reviews</i> , 2015, 115, 123-131.	3.0	41
38	Vegetation and fire history of coastal north-eastern Sardinia (Italy) under changing Holocene climates and land use. <i>Vegetation History and Archaeobotany</i> , 2016, 25, 271-289.	2.1	39
39	Land-use history as a major driver for long-term forest dynamics in the Sierra de Guadarrama National Park (central Spain) during the last millennia: implications for forest conservation and management. <i>Global and Planetary Change</i> , 2017, 152, 64-75.	3.5	37
40	Insights about past forest dynamics as a tool for present and future forest management in Switzerland. <i>Forest Ecology and Management</i> , 2017, 388, 100-112.	3.2	37
41	Tyrrhenian central Italy: Holocene population and landscape ecology. <i>Holocene</i> , 2019, 29, 761-775.	1.7	37
42	The Eurasian Modern Pollen Database (EMPD), version 2. <i>Earth System Science Data</i> , 2020, 12, 2423-2445.	9.9	34
43	The historical demise of <i>Pinus nigra</i> forests in the Northern Iberian Plateau (southwestern) Tj ETQq1 1 0.784314 rgBT /Overlock 4.0 31	4.0	31
44	Holocene vegetation and fire dynamics in the supra-mediterranean belt of the Nebrodi Mountains (Sicily, Italy). <i>Journal of Quaternary Science</i> , 2012, 27, 687-698.	2.1	29
45	Responses to rapid warming at Termination 1a at Gerzensee (Central Europe): Primary succession, albedo, soils, lake development, and ecological interactions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 391, 111-131.	2.3	28
46	Are great Cascadia earthquakes recorded in the sedimentary records from small forearc lakes?. <i>Natural Hazards and Earth System Sciences</i> , 2013, 13, 2441-2463.	3.6	25
47	An empirical perspective for understanding climate change impacts in Switzerland. <i>Regional Environmental Change</i> , 2018, 18, 205-221.	2.9	23
48	Responses of vegetation and testate amoeba trait composition to fire disturbances in and around a bog in central European lowlands (northern Poland). <i>Quaternary Science Reviews</i> , 2019, 208, 129-139.	3.0	23
49	Diatom response to mid-Holocene climate change in Lago di Massaciuccoli (Tuscany, Italy). <i>Journal of Paleolimnology</i> , 2008, 40, 235-245.	1.6	22
50	The role of human-induced fire and sweet chestnut (<i>Castanea sativa</i> Mill.) cultivation on the long-term landscape dynamics of the southern Swiss Alps. <i>Holocene</i> , 2015, 25, 482-494.	1.7	22
51	Fires and human activities as key factors in the high diversity of Corsican vegetation. <i>Holocene</i> , 2020, 30, 244-257.	1.7	20
52	Unprecedented herbivory threatens rear-edge populations of <i>Betula</i> in southwestern Eurasia. <i>Ecology</i> , 2019, 100, e02833.	3.2	19
53	A fire paradox in ecosystems around the Mediterranean. <i>PAGES News</i> , 2010, 18, 63-65.	0.1	19
54	Vegetation and fire dynamics during the last 4000 years in the Caba�eros National Park (central) Tj ETQq0 0 0 rgBT /Overlock 1.5 18 Tf 50	1.5	18

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55	Determinants of savanna-fire dynamics in the eastern Lake Victoria catchment (western Kenya) during the last 1200 years. <i>Quaternary International</i> , 2018, 488, 67-80.	1.5	17
56	Reconstruction of Holocene vegetation dynamics at Lac de Bretaye, a high-mountain lake in the Swiss Alps. <i>Holocene</i> , 2016, 26, 380-396.	1.7	15
57	Long-term population dynamics: Theory and reality in a peatland ecosystem. <i>Journal of Ecology</i> , 2018, 106, 333-346.	4.0	14
58	Distinct phases of natural landscape dynamics and intensifying human activity in the central Kenya Rift Valley during the past 1300 years. <i>Quaternary Science Reviews</i> , 2019, 218, 91-106.	3.0	13
59	Stable carbon and oxygen isotopes in tree rings show physiological responses of <i>Pericopsis elata</i> to precipitation in the Congo Basin. <i>Journal of Tropical Ecology</i> , 2016, 32, 213-225.	1.1	11
60	Shaping Mediterranean landscapes: The cultural impact of anthropogenic fires in Tyrrhenian southern Tuscany during the Iron and Middle Ages (800â€“450 BC / AD 650â€“1300). <i>Holocene</i> , 2020, 30, 1420-1437.	1.7	9
61	The Reading Palaeofire Database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records. <i>Earth System Science Data</i> , 2022, 14, 1109-1124.	9.9	9
62	High resolution lake sediment record reveals self-organized criticality in erosion processes regulated by internal feedbacks. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2181-2192.	2.5	8
63	Paleo records as a guide for ecosystem management and biodiversity conservation. <i>Past Global Change Magazine</i> , 2017, 25, 78-79.	0.1	7
64	Evaluating fossil charcoal representation in small peat bogs: Detailed Holocene fire records from southern Sweden. <i>Holocene</i> , 2020, 30, 1540-1551.	1.7	5
65	Climatic and anthropogenic forcing of prehistorical vegetation succession and fire dynamics in the Lago di Como area (N-Italy, Insubria). <i>Quaternary Science Reviews</i> , 2017, 161, 45-67.	3.0	4
66	Evoluzione dei bacini profondi del Mediterraneo documentata dalle variazioni nelle velocitÃ di sedimentazione nel Plio-Pleistocene. <i>Rendiconti Lincei</i> , 1998, 9, 77-94.	2.2	1
67	The origin and spread of olive cultivation in the Mediterranean Basin: The fossil pollen evidence. , 0, .		1
68	Tropical fire ecology across the African continent: A paleoecological perspective. <i>PAGES News</i> , 2010, 18, 65-67.	0.1	1
69	Palaeoecological records as a guide for fire management in Killarney National Park, Ireland. <i>Proceedings of the Geologists Association</i> , 2023, 134, 403-415.	1.1	1
70	DiverseK: integrating paleoecology, traditional knowledge and stakeholders. <i>Past Global Change Magazine</i> , 2018, 26, 89-89.	0.1	1
71	Changing fire regimes during the first olive cultivation in the Mediterranean Basin: New high-resolution evidence from the Sea of Galilee, Israel. <i>Global and Planetary Change</i> , 2022, 210, 103774.	3.5	1
72	Paleofires and Models Illuminate Future Fire Scenarios. <i>Eos</i> , 2016, 97, .	0.1	0

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73	How Paleofire Research Can Better Inform Ecosystem Management. Eos, 2018, 99, .	0.1	0
74	African fire histories and fire ecologies. Past Global Change Magazine, 2018, 26, 88-88.	0.1	0
75	Ancient Fires and Indigenous Knowledge Inform Fire Policies. Eos, 2019, 100, .	0.1	0