

Doris Barboni

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,589
citations

186265

28
h-index

214800

47
g-index

48
all docs

48
docs citations

48
times ranked

2978
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytoliths as paleoenvironmental indicators, West Side Middle Awash Valley, Ethiopia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1999, 152, 87-100.	2.3	217
2	Ecophysiological and bioclimatic foundations for a global plant functional classification. <i>Journal of Vegetation Science</i> , 2010, 21, 300-317.	2.2	178
3	Comparative study of modern phytolith assemblages from inter-tropical Africa. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2007, 246, 454-470.	2.3	176
4	The Geological, Isotopic, Botanical, Invertebrate, and Lower Vertebrate Surroundings of <i>Ardipithecus ramidus</i> . <i>Science</i> , 2009, 326, 65.	12.6	159
5	First Partial Skeleton of a 1.34-Million-Year-Old <i>Paranthropus boisei</i> from Bed II, Olduvai Gorge, Tanzania. <i>PLoS ONE</i> , 2013, 8, e80347.	2.5	140
6	Tectonics, climate and the diversification of the tropical African terrestrial flora and fauna. <i>Biological Reviews</i> , 2021, 96, 16-51.	10.4	123
7	Phytoliths of East African grasses: An assessment of their environmental and taxonomic significance based on floristic data. <i>Review of Palaeobotany and Palynology</i> , 2009, 158, 29-41.	1.5	122
8	The European Modern Pollen Database (EMPD) project. <i>Vegetation History and Archaeobotany</i> , 2013, 22, 521-530.	2.1	101
9	Phytolith signal of aquatic plants and soils in Chad, Central Africa. <i>Review of Palaeobotany and Palynology</i> , 2012, 178, 43-58.	1.5	90
10	Impact of agriculture on the Si biogeochemical cycle: Input from phytolith studies. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 739-746.	1.2	87
11	Phytoliths infer locally dense and heterogeneous paleovegetation at FLK North and surrounding localities during upper Bed I time, Olduvai Gorge, Tanzania. <i>Quaternary Research</i> , 2010, 74, 344-354.	1.7	83
12	Relationships between plant traits and climate in the Mediterranean region: A pollen data analysis. <i>Journal of Vegetation Science</i> , 2004, 15, 635-646.	2.2	80
13	Effect of phytoliths for mitigating water stress in durum wheat. <i>New Phytologist</i> , 2017, 215, 229-239.	7.3	77
14	A spring and wooded habitat at FLK Zinj and their relevance to origins of human behavior. <i>Quaternary Research</i> , 2010, 74, 304-314.	1.7	62
15	Grass inflorescence phytoliths of useful species and wild cereals from sub-Saharan Africa. <i>Journal of Archaeological Science</i> , 2015, 59, 10-22.	2.4	56
16	Paleoenvironmental and paleoecological reconstruction of a freshwater oasis in savannah grassland at FLK North, Olduvai Gorge, Tanzania. <i>Quaternary Research</i> , 2010, 74, 333-343.	1.7	55
17	Earliest Porotic Hyperostosis on a 1.5-Million-Year-Old Hominin, Olduvai Gorge, Tanzania. <i>PLoS ONE</i> , 2012, 7, e46414.	2.5	54
18	Modern pollen spectra from tropical South India and Sri Lanka: altitudinal distribution. <i>Journal of Biogeography</i> , 1999, 26, 1255-1280.	3.0	53

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19	New excavations at the FLK Zinjanthropus site and its surrounding landscape and their behavioral implications. <i>Quaternary Research</i> , 2010, 74, 315-332.	1.7	50
20	Precipitation signal in pollen rain from tropical forests, South India. <i>Review of Palaeobotany and Palynology</i> , 2001, 114, 239-258.	1.5	48
21	Lake Chad sedimentation and environments during the late Miocene and Pliocene: New evidence from mineralogy and chemistry of the Bol core sediments. <i>Journal of African Earth Sciences</i> , 2016, 118, 192-204.	2.0	46
22	Autochthony and orientation patterns in Olduvai Bed I: a re-examination of the status of post-depositional biasing of archaeological assemblages from FLK North (FLKN). <i>Journal of Archaeological Science</i> , 2012, 39, 2116-2127.	2.4	45
23	Disentangling hominin and carnivore activities near a spring at FLK North (Olduvai Gorge, Tanzania). <i>Quaternary Research</i> , 2010, 74, 363-375.	1.7	44
24	Vegetation of Northern Tanzania during the Plio-Pleistocene: A synthesis of the paleobotanical evidences from Laetoli, Olduvai, and Peninj hominin sites. <i>Quaternary International</i> , 2014, 322-323, 264-276.	1.5	40
25	The FLK Zinj paleolandscape: Reconstruction of a 1.84 Ma wooded habitat in the FLK Zinj-AMK-PTK-DS archaeological complex, Middle Bed I (Olduvai Gorge, Tanzania). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 488, 9-20.	2.3	34
26	Intraspecific biogenic silica variations in the grass species <i>Pennisetum pedicellatum</i> along an evapotranspiration gradient in South Niger. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2016, 220, 84-93.	1.2	32
27	Geo-archaeological and geometrically corrected reconstruction of the 1.84 Ma FLK Zinj paleolandscape at Olduvai Gorge, Tanzania. <i>Quaternary International</i> , 2014, 322-323, 7-31.	1.5	30
28	Diatom, phytolith, and pollen records from a ¹⁰ Be/ ⁹ Be dated lacustrine succession in the Chad basin: Insight on the Miocene-Pliocene paleoenvironmental changes in Central Africa. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 430, 85-103.	2.3	29
29	Springs, palm groves, and the record of early hominins in Africa. <i>Review of Palaeobotany and Palynology</i> , 2019, 266, 23-41.	1.5	28
30	Phytoliths indicate significant arboreal cover at <i>Sahelanthropus</i> type locality TM266 in northern Chad and a decrease in later sites. <i>Journal of Human Evolution</i> , 2017, 106, 66-83.	2.6	27
31	Automated recognition by multiple convolutional neural networks of modern, fossil, intact and damaged pollen grains. <i>Computers and Geosciences</i> , 2020, 140, 104498.	4.2	25
32	Plio-Pleistocene sedimentation in West Turkana (Turkana Depression, Kenya, East African Rift System): Paleolake fluctuations, paleolandscapes and controlling factors. <i>Earth-Science Reviews</i> , 2020, 211, 103415.	9.1	24
33	Processes controlling silicon isotopic fractionation in a forested tropical watershed: Mule Hole Critical Zone Observatory (Southern India). <i>Geochimica Et Cosmochimica Acta</i> , 2018, 228, 301-319.	3.9	22
34	The paleoecology and taphonomy of AMK (Bed I, Olduvai Gorge) and its contributions to the understanding of the Zinj paleolandscape. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 488, 35-49.	2.3	21
35	Paleoclimatic and paleoenvironmental framework of FLK North archaeological site, Olduvai Gorge, Tanzania. <i>Quaternary International</i> , 2014, 322-323, 54-65.	1.5	17
36	Controls of DSi in streams and reservoirs along the Kaveri River, South India. <i>Science of the Total Environment</i> , 2015, 502, 103-113.	8.0	17

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37	Age and context of mid-Pliocene hominin cranium from Woranso-Mille, Ethiopia. <i>Nature</i> , 2019, 573, 220-224.	27.8	17
38	Starch granules identification and automatic classification based on an extended set of morphometric and optical measurements. <i>Journal of Archaeological Science: Reports</i> , 2016, 7, 169-179.	0.5	16
39	The distribution of Silicon in soil is influenced by termite bioturbation in South Indian forest soils. <i>Geoderma</i> , 2020, 372, 114362.	5.1	14
40	Subtle signatures of seeps: Record of groundwater in a Dryland, DK , Olduvai Gorge, Tanzania. <i>Depositional Record</i> , 2016, 2, 4-21.	1.7	13
41	The role of silicon in the supply of terrestrial ecosystem services. <i>Environmental Chemistry Letters</i> , 2022, 20, 2109-2121.	16.2	9
42	The Lake CHAd Deep DRILLing project (CHADRILL) – targeting –10 million years of environmental and climate change in Africa. <i>Scientific Drilling</i> , 0, 24, 71-78.	0.6	7
43	Paleovegetation changes accompanying the evolution of a riverine system at the BK paleoanthropological site (Upper Bed II, Olduvai Gorge, Tanzania). <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 488, 84-92.	2.3	6
44	Allophanes, a significant soil pool of silicon for plants. <i>Geoderma</i> , 2022, 412, 115722.	5.1	6
45	Climate-inferred distribution estimates of mid-to-late Pliocene hominins. <i>Global and Planetary Change</i> , 2022, 210, 103756.	3.5	4
46	Vegetation dynamics of Kisima Ngeda freshwater spring reflect hydrological changes in northern Tanzania over the past 1200 years: Implications for paleoenvironmental reconstructions at paleoanthropological sites. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 580, 110607.	2.3	2