Francesco Berna

List of Publications by Year
in descending order

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57 papers	4,331 citations	126907 33 h-index	175258 52 g-index
59 all docs	59 docs citations	59 times ranked	3299 citing authors

#	Article	IF	Citations
1	Microstratigraphic evidence of in situ fire in the Acheulean strata of Wonderwerk Cave, Northern Cape province, South Africa. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1215-20.	7.1	446
2	Earliest human occupations at Dmanisi (Georgian Caucasus) dated to 1.85â€“1.78 Ma. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10432-10436.	7.1	263
3	Bedding, hearths, and site maintenance in the Middle Stone Age of Sibudu Cave, KwaZulu-Natal, South Africa. Archaeological and Anthropological Sciences, 2009, 1, 95-122.	1.8	259
4	Solubilities of bone mineral from archaeological sites: the recrystallization window. Journal of Archaeological Science, 2004, 31, 867-882.	2.4	256
5	Sediments exposed to high temperatures: reconstructing pyrotechnological processes in Late Bronze and Iron Age Strata at Tel Dor (Israel). Journal of Archaeological Science, 2007, 34, 358-373.	2.4	241
6	Middle Stone Age Bedding Construction and Settlement Patterns at Sibudu, South Africa. Science, 2011, 334, 1388-1391.	12.6	211
7	Bat guano and preservation of archaeological remains in cave sites. Journal of Archaeological Science, 2004, 31, 1259-1272.	2.4	209
8	Levantine cranium from Manot Cave (Israel) foreshadows the first European modern humans. Nature, 2015, 520, 216-219.	27.8	191
9	Evidence for the repeated use of a central hearth at Middle Pleistocene (300Âky ago) Qesem Cave, Israel. Journal of Archaeological Science, 2014, 44, 12-21.	2.4	171
10	Early Levallois technology and the Lower to Middle Paleolithic transition in the Southern Caucasus. Science, 2014, 345, 1609-1613.	12.6	171
11	Micromorphology and context. Quaternary International, 2010, 214, 56-62.	1.5	161
12	Stone tools and foraging in northern Madagascar challenge Holocene extinction models. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12583-12588.	7.1	122
13	Geoarchaeological investigations at Diepkloof Rock Shelter, Western Cape, South Africa. Journal of Archaeological Science, 2013, 40, 3432-3452.	2.4	115
14	New evidence on Neandertal use of fire: Examples from Roc de Marsal and Pech de lâ€™AzÃ© IV. Quaternary International, 2012, 247, 325-340.	1.5	112
15	Evidence for Neandertal use of fire at Roc de Marsal (France). Journal of Archaeological Science, 2012, 39, 2414-2423.	2.4	87
16	A Preliminary Report on Pech de lâ€™AzÃ© IV, Layer 8 (Middle Paleolithic, France). PaleoAnthropology, 0, 2009, 182-219.	3.0	80
17	Researching the Nature of Fire at 1.5 Mya on the Site of FxJj20 AB, Koobi Fora, Kenya, Using High-Resolution Spatial Analysis and FTIR Spectrometry. Current Anthropology, 2017, 58, S243-S257.	1.6	77
18	On the evidence for human use and control of fire at SchÃ¶ningen. Journal of Human Evolution, 2015, 89, 181-201.	2.6	76

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19	Assessing Paleolithic pyrotechnology and associated hominin behavior in Israel. Israel Journal of Earth Sciences, 2007, 56, 107-121.	0.3	73
20	The earliest evidence for clay hearths: Aurignacian features in Klisoura Cave 1, southern Greece. Antiquity, 2004, 78, 513-525.	1.0	71
21	The soil skeleton, a forgotten pool of carbon and nitrogen in soil. European Journal of Soil Science, 2002, 53, 283-298.	3.9	67
22	The Oldowan horizon in Wonderwerk Cave (South Africa): Archaeological, geological, paleontological and paleoclimatic evidence. Journal of Human Evolution, 2012, 63, 859-866.	2.6	65
23	Comment on â€œDNA from Pre-Clovis Human Coprolites in Oregon, North Americaâ€. Science, 2009, 325, 148-148.	12.6	63
24	Radiocarbon chronology of Manot Cave, Israel and Upper Paleolithic dispersals. Science Advances, 2017, 3, e1701450.	10.3	63
25	Combustion at the late Early Pleistocene site of Cueva Negra del Estrecho del RÃo QuÃpar (Murcia,) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	62
26	Insights on Neanderthal fire use at Kebara Cave (Israel) through high resolution study of prehistoric combustion features: Evidence from phytoliths and thin sections. Quaternary International, 2012, 247, 278-293.	1.5	60
27	Hominin fire use in the Okote member at Koobi Fora, Kenya: New evidence for the old debate. Journal of Human Evolution, 2019, 133, 214-229.	2.6	54
28	Steroidal biomarker analysis of a 14,000 years old putative human coprolite from Paisley Cave, Oregon. Journal of Archaeological Science, 2014, 41, 813-817.	2.4	46
29	Deposition and Diagenesis in the Earlier Stone Age of Wonderwerk Cave, Excavation 1, South Africa. African Archaeological Review, 2015, 32, 613-643.	1.4	44
30	Neanderthal activity and resting areas from stratigraphic unit 13â€“at the Middle Palaeolithic site of Oscurusciuto (Ginosa - Taranto, Southern Italy). Quaternary Science Reviews, 2019, 217, 169-193.	3.0	40
31	Plaster Characterization at the PPNB Site of Yiftahel (Israel) Including the Use of 14C: Implications for Plaster Production, Preservation, and Dating. Radiocarbon, 2012, 54, 887-896.	1.8	37
32	The depositional environments of SchÃ¶ningen 13 II-4 and their archaeological implications. Journal of Human Evolution, 2015, 89, 71-91.	2.6	36
33	Fire and the Genus Homo. Current Anthropology, 2017, 58, S165-S174.	1.6	34
34	Archeology, Environment, and Chronology of the Early Middle Stone Age Component of Wonderwerk Cave. Journal of Paleolithic Archaeology, 2020, 3, 302-335.	1.7	34
35	Between hearths and volcanic ash: The SU 13 palimpsest of the Oscurusciuto rock shelter (Ginosa â€“) Tj ETQq1 1 0.784314 rgBT /Ov	1.5	31
36	A microstratigraphic reevaluation of the Florisbad spring site, Free State Province, South Africa: Formation processes and paleoenvironment. Geoarchaeology - an International Journal, 2017, 32, 456-478.	1.5	23

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37	A prehispanic Maya pit oven? Microanalysis of fired clay balls from the Puuc region, YucatÃ¡n, Mexico. Journal of Archaeological Science, 2013, 40, 1144-1157.	2.4	17
38	Structural Characterization and Thermal Decomposition of Lime Binders Allow Accurate Radiocarbon Age Determinations of Aerial Lime Plaster. Radiocarbon, 2020, 62, 633-655.	1.8	17
39	Preliminary observations on the Levantine Aurignacian sequence of Manot Cave: Cultural affiliations and regional perspectives. Journal of Human Evolution, 2021, 160, 102705.	2.6	16
40	Bone diagenesis in archaeological and contemporary human remains: an investigation of bone 3D microstructure and minero-chemical assessment. Archaeological and Anthropological Sciences, 2020, 12, 1.	1.8	14
41	Geo-ethnoarchaeology study of the traditional Tswana dung floor from the Moffat Mission Church, Kuruman, North Cape Province, South Africa. Archaeological and Anthropological Sciences, 2017, 9, 1115-1123.	1.8	13
42	Plant Use at GrapÄeva Cave and in the Eastern Adriatic Neolithic. Journal of Field Archaeology, 2008, 33, 279-303.	1.3	12
43	Emergence of corpse cremation during the Pre-Pottery Neolithic of the Southern Levant: A multidisciplinary study of a pyre-pit burial. PLoS ONE, 2020, 15, e0235386.	2.5	12
44	Renewed excavations at Wonderwerk Cave, South Africa. Evolutionary Anthropology, 2017, 26, 258-260.	3.4	10
45	Bone diagenesis at the Florisbad spring site, Free State Province (South Africa): Implications for the taphonomy of the Middle and Late Pleistocene faunal assemblages. Journal of Archaeological Science: Reports, 2015, 4, 152-163.	0.5	8
46	Microstratigraphic and mineralogical study of a Late Bronze Age updraft pottery kiln, Kolonna site, Aegina Island, Greece. Archaeological and Anthropological Sciences, 2019, 11, 5763-5780.	1.8	8
47	Site formation processes at Manot Cave, Israel: Interplay between strata accumulation in the occupation area and the talus. Journal of Human Evolution, 2020, 160, 102883.	2.6	7
48	Diagenesis of juvenile skeletal remains: A multimodal and multiscale approach to examine the post-mortem decay of children's bones. Journal of Archaeological Science, 2021, 135, 105477.	2.4	7
49	Occupation surfaces sealed by the Avellino eruption of Vesuvius at the Early Bronze Age village of Afragola in southern Italy: A micromorphological analysis. Geoarchaeology - an International Journal, 2010, 25, 437-466.	1.5	6
50	Holocene human interaction and adaptation to geological and climatic changes in the Lower Mainland, Fraser Canyon, and Coast Mountain area of British Columbia: A geoarchaeological view. , 2014, , 53-77.		4
51	Fourier Transform Infrared Spectroscopy (FTIR). Encyclopedia of Earth Sciences Series, 2017, , 285-286.	0.1	3
52	Micromorphological Study ofConcottoSurfaces Protected by the Avellino Eruption in 3945â€‰Â±â€‰10 cal. BP at the Early Bronze Age of Afragola Village in Southern Italy. Environmental Archaeology, 2017, 22, 365-380.	1.2	2
53	Effect of Two Different Protective Surface Materials on Ground Penetrating Radar Signal Characteristics. , 2018, , .		2
54	Post-mortem gross composition changes and differential weathering of immature and mature bone in an experimental burial environment. Journal of Archaeological Science: Reports, 2019, 26, 101904.	0.5	1

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55	Microstratigraphic reconstruction of formation processes and paleoenvironments at the Early Pleistocene Cornelia-Uitzoek hominin site, Free State Province, South Africa. Journal of Archaeological Science: Reports, 2019, 25, 25-39.	0.5	1
56	Introduction to special issue: In search for modern humans and the Early Upper Paleolithic at Manot Cave, Western Galilee, Israel. Journal of Human Evolution, 2021, 160, 103053.	2.6	0
57	Combustion features from short-lived intermittent occupation at a 1300-year-old Coast Salish rock shelter, British Columbia: The microstratigraphic data. Journal of Archaeological Science: Reports, 2019, 23, 646-661.	0.5	0