

Juan Carlos Cañaveras

List of Publications by Year in descending order

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69
papers

2,569
citations

201674

27
h-index

197818

49
g-index

69
all docs

69
docs citations

69
times ranked

2309
citing authors

#	ARTICLE	IF	CITATIONS
1	Paleobiology and comparative morphology of a late Neandertal sample from El Sidron, Asturias, Spain. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19266-19271.	7.1	206
2	Microorganisms and Microbially Induced Fabrics in Cave Walls. Geomicrobiology Journal, 2001, 18, 223-240.	2.0	143
3	The influence of petrophysical properties on the salt weathering of porous building rocks. Environmental Geology, 2007, 52, 215-224.	1.2	137
4	On the origin of fiber calcite crystals in moonmilk deposits. Die Naturwissenschaften, 2006, 93, 27-32.	1.6	135
5	Paleolithic Art in Peril: Policy and Science Collide at Altamira Cave. Science, 2011, 334, 42-43.	12.6	120
6	Microclimatic characterization of a karstic cave: human impact on microenvironmental parameters of a prehistoric rock art cave (Candamo Cave, northern Spain). Environmental Geology, 1998, 33, 231-242.	1.2	119
7	Inorganic deterioration affecting the Altamira Cave, N Spain: quantitative approach to wall-corrosion (solutional etching) processes induced by visitors. Science of the Total Environment, 1999, 243-244, 67-84.	8.0	105
8	The biogeochemical role of Actinobacteria in Altamira Cave, Spain. FEMS Microbiology Ecology, 2012, 81, 281-290.	2.7	97
9	Geomicrobiological Study of the Grotta dei Cervi, Porto Badisco, Italy. Geomicrobiology Journal, 2001, 18, 241-258.	2.0	93
10	Biomediated Precipitation of Calcium Carbonate Metastable Phases in Hypogean Environments: A Short Review. Geomicrobiology Journal, 2003, 20, 491-500.	2.0	87
11	Microbial Communities Associated With Hydromagnesite and Needle-Fiber Aragonite Deposits in a Karstic Cave (Altamira, Northern Spain). Geomicrobiology Journal, 1999, 16, 9-25.	2.0	86
12	Detection of human-induced environmental disturbances in a show cave. Environmental Science and Pollution Research, 2011, 18, 1037-1045.	5.3	85
13	A NEW DATE FOR THE NEANDERTHALS FROM EL SIDRÓN CAVE (ASTURIAS, NORTHERN SPAIN)*. Archaeometry, 2013, 55, 148-158.	1.3	76
14	Microbial communities and associated mineral fabrics in Altamira Cave, Spain. International Journal of Speleology, 2009, 38, 83-92.	1.0	76
15	Petrographic and geochemical evidence for the formation of primary, bacterially induced lacustrine dolomite: La Roda 'white earth' (Pliocene, central Spain). Sedimentology, 2001, 48, 897-915.	3.1	71
16	Lime-pozzolana mortars in Roman catacombs: composition, structures and restoration. Cement and Concrete Research, 2005, 35, 1555-1565.	11.0	65
17	Radon continuous monitoring in Altamira Cave (northern Spain) to assess user's annual effective dose. Journal of Environmental Radioactivity, 2005, 80, 161-174.	1.7	63
18	Salt damage and microclimate in the Postumius Tomb, Roman Necropolis of Carmona, Spain. Environmental Earth Sciences, 2011, 63, 1529-1543.	2.7	53

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19	The fungal colonisation of rock-art caves: experimental evidence. <i>Die Naturwissenschaften</i> , 2009, 96, 1027-1034.	1.6	48
20	Dedolomites associated with karstification. An example of early dedolomitization in lacustrine sequences from the Tertiary Madrid basin, central Spain. <i>Carbonates and Evaporites</i> , 1996, 11, 85-103.	1.0	46
21	Calcitization of Mg-Ca carbonate and Ca sulphate deposits in a continental Tertiary basin (Calatayud) Tj ETQq1 1.0.784314 rgBT /C	2.1	39
22	THE TECHNOLOGICAL AND TYPOLOGICAL BEHAVIOUR OF A NEANDERTHAL GROUP FROM EL SIDRÁN CAVE (ASTURIAS, SPAIN). <i>Oxford Journal of Archaeology</i> , 2010, 29, 119-148.	0.4	38
23	The role of microorganisms in the formation of calcitic moonmilk deposits and speleothems in Altamira Cave. <i>Geomorphology</i> , 2012, 139-140, 285-292.	2.6	38
24	Annual and transient signatures of gas exchange and transport in the Castañar de Ibor cave (Spain). <i>International Journal of Speleology</i> , 2009, 38, 153-162.	1.0	38
25	Role of soil pore structure in water infiltration and CO ₂ exchange between the atmosphere and underground air in the vadose zone: A combined laboratory and field approach. <i>Catena</i> , 2017, 149, 402-416.	5.0	36
26	Is the availability of different nutrients a critical factor for the impact of bacteria on subterranean carbon budgets?. <i>Die Naturwissenschaften</i> , 2009, 96, 1035-1042.	1.6	32
27	Pseudospherulitic fibrous calcite in paleo-groundwater, unconformity-related diagenetic carbonates (Paleocene of the Ager Basin and Miocene of the Madrid Basin, Spain). <i>Journal of Sedimentary Research</i> , 1999, 69, 224-238.	1.6	29
28	Recolonization of mortars by endolithic organisms on the walls of San Roque church in Campeche (Mexico): A case of tertiary bioreceptivity. <i>Construction and Building Materials</i> , 2014, 53, 348-359.	7.2	27
29	A GIS-based methodology to quantitatively define an Adjacent Protected Area in a shallow karst cavity: The case of Altamira cave. <i>Journal of Environmental Management</i> , 2013, 118, 122-134.	7.8	25
30	Changes in the CO ₂ dynamics in near-surface cavities under a future warming scenario: Factors and evidence from the field and experimental findings. <i>Science of the Total Environment</i> , 2016, 565, 1151-1164.	8.0	22
31	Penecontemporaneous diagenesis in continental saline sediments: bloeditization in Quero playa lake (La Mancha, Central Spain). <i>Chemical Geology</i> , 1998, 149, 189-207.	3.3	20
32	Weathering Processes and Mechanisms Caused by Capillary Waters and Pigeon Droppings on Porous Limestones. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 18.	2.0	20
33	Role of subterranean microbiota in the carbon cycle and greenhouse gas dynamics. <i>Science of the Total Environment</i> , 2022, 831, 154921.	8.0	19
34	Experimental definition of microclimatic conditions based on water transfer and porous media properties for the conservation of prehistoric constructions: Cueva Pintada at Galdar, Gran Canaria, Spain. <i>Environmental Geology</i> , 2009, 56, 1495.	1.2	18
35	Effect of water vapour condensation on the radon content in subsurface air in a hypogeal inactive-volcanic environment in Galdar cave, Spain. <i>Atmospheric Environment</i> , 2013, 75, 15-23.	4.1	18
36	DATING OF THE HOMINID (<i>HOMO NEANDERTHALENSIS</i>) REMAINS ACCUMULATION FROM EL SIDRÁN CAVE (PILOÑA, ASTURIAS, NORTH SPAIN): AN EXAMPLE OF A MULTIMETHODOLOGICAL APPROACH TO THE DATING OF UPPER PLEISTOCENE SITES. <i>Archaeometry</i> , 2010, 52, 680-705.	1.3	17

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37	3D soft-sediment deformation structures: evidence for Quaternary seismicity in the Madrid basin, Spain. <i>Terra Nova</i> , 1997, 9, 208-212.	2.1	16
38	Changes in the storage and sink of carbon dioxide in subsurface atmospheres controlled by climate-driven processes: the case of the Ojo Guareña karst system. <i>Environmental Earth Sciences</i> , 2015, 74, 7715-7730.	2.7	16
39	Abiotic and seasonal control of soil-produced CO ₂ efflux in karstic ecosystems located in Oceanic and Mediterranean climates. <i>Atmospheric Environment</i> , 2017, 164, 31-49.	4.1	16
40	Comparative analysis of water condensate porosity using mercury intrusion porosimetry and nitrogen and water adsorption techniques in porous building stones. <i>Construction and Building Materials</i> , 2021, 288, 123131.	7.2	16
41	Meteoric calcitization of magnesite in Miocene lacustrine deposits (Calatayud basin, NE Spain). <i>Sedimentary Geology</i> , 1998, 119, 183-194.	2.1	15
42	Analysis of potential direct insolation as a degradation factor of cave paintings in Villar del Humo, Cuenca, Central Spain. <i>Geoarchaeology - an International Journal</i> , 2009, 24, 450-465.	1.5	12
43	Assessment of CO ₂ dynamics in subsurface atmospheres using the wavelet approach: from cavity-atmosphere exchange to anthropogenic impacts in Rull cave (Vall de Ebo, Spain). <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	11
44	Microbial Activity in Subterranean Ecosystems: Recent Advances. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8130.	2.5	11
45	A study on the state of conservation of the Roman Necropolis of Carmona (Sevilla, Spain). <i>Journal of Cultural Heritage</i> , 2018, 34, 185-197.	3.3	10
46	Insights on Climate-Driven Fluctuations of Cave ²²² Rn and CO ₂ Concentrations Using Statistical and Wavelet Analyses. <i>Geofluids</i> , 2020, 2020, 1-17.	0.7	10
47	Variations in seepage water geochemistry induced by natural and anthropogenic microclimatic changes: Implications for speleothem growth conditions. <i>Geodinamica Acta</i> , 2010, 23, 1-13.	2.2	9
48	The deterioration of Circular Mausoleum, Roman Necropolis of Carmona, Spain. <i>Science of the Total Environment</i> , 2015, 518-519, 65-77.	8.0	9
49	Environment and subsistence strategies at La Viña rock shelter and Llonin cave (Asturias, Spain) during MIS3. <i>Journal of Archaeological Science: Reports</i> , 2020, 30, 102198.	0.5	8
50	Geomorphology of Dra Abu el-Naga (Egypt): The basis of the funerary sacred landscape. <i>Journal of African Earth Sciences</i> , 2017, 131, 233-250.	2.0	7
51	Mortars, pigments and saline efflorescence from Canarian pre-Hispanic constructions (Galdar, Grand Tj ETQq1 1 0,784314 rgBT /Overl	7.2	8
52	Causas y mecanismos de deterioro de los materiales pétreos del pavimento del conjunto arqueológico de Baelo Claudia, Cádiz/España. <i>Materiales De Construcción</i> , 1999, 49, 5-18.	0.7	6
53	Uranyl-Evansites from Porto (Northwest Portugal) and Galicia (Northwest Spain): Structure and Assignment of Spectra Catholuminescence and Raman Bands. <i>Spectroscopy Letters</i> , 2011, 44, 511-515.	1.0	5
54	Tectono-Sedimentary Cenozoic Evolution of the El Habt and Ouezzane Tectonic Units (External Rif.) Tj ETQq0 0 0 rgBT /Overl	2.2	5

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55	Weathering Processes on Sandstone Painting and Carving Surfaces at Prehistoric Rock Sites in Southern Spain. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5330.	2.5	5
56	Hydration diapirism: a climate-related initiation of evaporite mounds in two continental Neogene basins of central Spain. <i>Geological Society Special Publication</i> , 1996, 100, 49-63.	1.3	4
57	14. Scientific Data Suggest Altamira Cave Should Remain Closed. , 2015, , 303-320.		4
58	Effect of Ventilation on Karst System Equilibrium (Altamira Cave, N Spain): an Appraisal of Karst Contribution to the Global Carbon Cycle Balance. <i>Environmental Earth Sciences</i> , 2010, , 469-474.	0.2	4
59	Definition of Microclimatic Conditions in a Karst Cavity: Rull Cave (Alicante, Spain). , 2015, , 497-503.		4
60	Influence of Daily Visiting Regime in Tourist Cave at Different Seasons. <i>Environmental Earth Sciences</i> , 2010, , 475-481.	0.2	3
61	Estudio preliminar de las características petrográficas, petrofísicas y comportamiento mecánico de rocas naturales tipo "piedra bogotana" y "mármol royal bronce" utilizadas en construcciones patrimoniales y recientes en Colombia. <i>Revista UIS Ingenierías</i> , 2019, 18, 203-222.	0.2	3
62	Aesthetic Quality Properties of Carbonate Breccias Associated with Textural and Compositional Factors: Marrón Emperador Ornamental Stone (Upper Cretaceous, Southeast Spain). <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2566.	2.5	3
63	Mineral-Variations Study of Canelobre Cave Phosphate Stalactites by Raman and Luminescence Methods. <i>Spectroscopy Letters</i> , 2011, 44, 539-542.	1.0	1
64	Tectono-Sedimentary Evolution of the Madrid Basin (Spain) during the Late Miocene: Data from Paleokarst Profiles in Diagenetically-Complex Continental Carbonates. <i>Geosciences (Switzerland)</i> , 2020, 10, 433.	2.2	1
65	Mineral-Forming Processes at Canelobre Cave (Alicante, SE Spain). <i>Environmental Earth Sciences</i> , 2010, , 503-508.	0.2	1
66	Holistic Approach to the Restoration of a Vandalized Monument: The Cross of the Inquisition, Seville City Hall, Spain. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6222.	2.5	1
67	Geo-environmental evaluation for the preventive conservation of open-air archaeological sites: the case of the Roman Necropolis of Carmona (Spain). <i>Archaeological Prospection</i> , 2020, 27, 13-26.	2.2	0
68	Brucite-Aragonite Precipitates as Weathering Products of Historic Non-MgO-Based Geomaterials. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 599.	2.0	0
69	Micromorphological Study of Site Formation Processes at El Sidrón Cave (Asturias, Northern Spain): Encrustations over Neanderthal Bones. <i>Geosciences (Switzerland)</i> , 2021, 11, 413.	2.2	0