Juan Carlos CaÃ±averas

List of Publications by Year
in descending order

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	Aesthetic Quality Properties of Carbonate Breccias Associated with Textural and Compositional Factors: MarrÃ³n Emperador Ornamental Stone (Upper Cretaceous, Southeast Spain). Applied Sciences (Switzerland), 2022, 12, 2566.	2.5	3
2	Role of subterranean microbiota in the carbon cycle and greenhouse gas dynamics. Science of the Total Environment, 2022, 831, 154921.	8.0	19
3	Weathering Processes on Sandstone Painting and Carving Surfaces at Prehistoric Rock Sites in Southern Spain. Applied Sciences (Switzerland), 2022, 12, 5330.	2.5	5
4	Holistic Approach to the Restoration of a Vandalized Monument: The Cross of the Inquisition, Seville City Hall, Spain. Applied Sciences (Switzerland), 2022, 12, 6222.	2.5	1
5	Comparative analysis of water condensate porosity using mercury intrusion porosimetry and nitrogen and water adsorption techniques in porous building stones. Construction and Building Materials, 2021, 288, 123131.	7.2	16
6	Weathering Processes and Mechanisms Caused by Capillary Waters and Pigeon Droppings on Porous Limestones. Minerals (Basel, Switzerland), 2021, 11, 18.	2.0	20
7	Micromorphological Study of Site Formation Processes at El SidrÃ³n Cave (Asturias, Northern Spain): Encrustations over Neanderthal Bones. Geosciences (Switzerland), 2021, 11, 413.	2.2	0
8	Geoâ€environmental evaluation for the preventive conservation of openâ€air archaeological sites: the case of the Roman Necropolis of Carmona (Spain). Archaeological Prospection, 2020, 27, 13-26.	2.2	0
9	Microbial Activity in Subterranean Ecosystems: Recent Advances. Applied Sciences (Switzerland), 2020, 10, 8130.	2.5	11
10	Brucite-Aragonite Precipitates as Weathering Products of Historic Non-MgO-Based Geomaterials. Minerals (Basel, Switzerland), 2020, 10, 599.	2.0	0
11	Insights on Climate-Driven Fluctuations of Cave ²²²Rn and CO₂ Concentrations Using Statistical and Wavelet Analyses. Geofluids, 2020, 2020, 1-17.	0.7	10
12	Tectono-Sedimentary Cenozoic Evolution of the El Habt and Ouezzane Tectonic Units (External Rif,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	5
13	Tectono-Sedimentary Evolution of the Madrid Basin (Spain) during the Late Miocene: Data from Paleokarst Profiles in Diagenetically-Complex Continental Carbonates. Geosciences (Switzerland), 2020, 10, 433.	2.2	1
14	Environment and subsistence strategies at La ViÃ±a rock shelter and Llonin cave (Asturias, Spain) during MIS3. Journal of Archaeological Science: Reports, 2020, 30, 102198.	0.5	8
15	Estudio preliminar de las caracterÃsticas petrogrÃ¡ficas, petrofÃsicas y comportamiento mecÃ¡nico de rocas naturales tipo â€œpiedra bogotanaâ€• y â€œmÃ¡rmol royal bronceâ€• utilizadas en construcciones patrimoniales y recientes en Colombia. Revista UIS IngenierÃas, 2019, 18, 203-222.	0.2	3
16	A study on the state of conservation of the Roman Necropolis of Carmona (Sevilla, Spain). Journal of Cultural Heritage, 2018, 34, 185-197.	3.3	10
17	Geomorphology of Dra Abu el-Naga (Egypt): The basis of the funerary sacred landscape. Journal of African Earth Sciences, 2017, 131, 233-250.	2.0	7
18	Abiotic and seasonal control of soil-produced CO2 efflux in karstic ecosystems located in Oceanic and Mediterranean climates. Atmospheric Environment, 2017, 164, 31-49.	4.1	16

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19	Role of soil pore structure in water infiltration and CO2 exchange between the atmosphere and underground air in the vadose zone: A combined laboratory and field approach. Catena, 2017, 149, 402-416.	5.0	36
20	Changes in the CO2 dynamics in near-surface cavities under a future warming scenario: Factors and evidence from the field and experimental findings. Science of the Total Environment, 2016, 565, 1151-1164.	8.0	22
21	Assessment of CO2 dynamics in subsurface atmospheres using the wavelet approach: from cavityâ€“atmosphere exchange to anthropogenic impacts in Rull cave (Vall dâ€²Ebo, Spain). Environmental Earth Sciences, 2016, 75, 1.	2.7	11
22	14. Scientific Data Suggest Altamira Cave Should Remain Closed. , 2015, , 303-320.		4
23	Changes in the storage and sink of carbon dioxide in subsurface atmospheres controlled by climate-driven processes: the case of the Ojo GuareÃ±a karst system. Environmental Earth Sciences, 2015, 74, 7715-7730.	2.7	16
24	The deterioration of Circular Mausoleum, Roman Necropolis of Carmona, Spain. Science of the Total Environment, 2015, 518-519, 65-77.	8.0	9
25	Definition of Microclimatic Conditions in a Karst Cavity: Rull Cave (Alicante, Spain). , 2015, , 497-503.		4
26	Recolonization of mortars by endolithic organisms on the walls of San Roque church in Campeche (Mexico): A case of tertiary bioreceptivity. Construction and Building Materials, 2014, 53, 348-359.	7.2	27
27	A GIS-based methodology to quantitatively define an Adjacent Protected Area in a shallow karst cavity: The case of Altamira cave. Journal of Environmental Management, 2013, 118, 122-134.	7.8	25
28	Effect of water vapour condensation on the radon content in subsurface air in a hypogeal inactive-volcanic environment in Galdar cave, Spain. Atmospheric Environment, 2013, 75, 15-23.	4.1	18
29	A NEW DATE FOR THE NEANDERTHALS FROM EL SIDRÃ“N CAVE (ASTURIAS, NORTHERN SPAIN)*. Archaeometry, 2013, 55, 148-158.	1.3	76
30	The role of microorganisms in the formation of calcitic moonmilk deposits and speleothems in Altamira Cave. Geomorphology, 2012, 139-140, 285-292.	2.6	38
31	The biogeochemical role of Actinobacteria in Altamira Cave, Spain. FEMS Microbiology Ecology, 2012, 81, 281-290.	2.7	97
32	Uranyl-Evansites from Porto (Northwest Portugal) and Galicia (Northwest Spain): Structure and Assignment of Spectra Catholuminescence and Raman Bands. Spectroscopy Letters, 2011, 44, 511-515.	1.0	5
33	Salt damage and microclimate in the Postumius Tomb, Roman Necropolis of Carmona, Spain. Environmental Earth Sciences, 2011, 63, 1529-1543.	2.7	53
34	Detection of human-induced environmental disturbances in a show cave. Environmental Science and Pollution Research, 2011, 18, 1037-1045.	5.3	85
35	Paleolithic Art in Peril: Policy and Science Collide at Altamira Cave. Science, 2011, 334, 42-43.	12.6	120
36	Mineral-Variations Study of Canelobre Cave Phosphate Stalactites by Raman and Luminescence Methods. Spectroscopy Letters, 2011, 44, 539-542.	1.0	1

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37	DATING OF THE HOMINID (HOMO NEANDERTHALENSIS) REMAINS ACCUMULATION FROM EL SIDRÃ“N CAVE (PILOÃ‘A, ASTURIAS, NORTH SPAIN): AN EXAMPLE OF A MULTIâ€METHODOLOGICAL APPROACH TO THE DATING OF UPPER PLEISTOCENE SITES. Archaeometry, 2010, 52, 680-705.	1.3	17
38	THE TECHNOLOGICAL AND TYPOLOGICAL BEHAVIOUR OF A NEANDERTHAL GROUP FROM EL SIDRÃ“N CAVE (ASTURIAS, SPAIN). Oxford Journal of Archaeology, 2010, 29, 119-148.	0.4	38
39	Variations in seepage water geochemistry induced by natural and anthropogenic microclimatic changes: Implications for speleothem growth conditions. Geodinamica Acta, 2010, 23, 1-13.	2.2	9
40	Effect of Ventilation on Karst System Equilibrium (Altamira Cave, N Spain): an Appraisal of Karst Contribution to the Global Carbon Cycle Balance. Environmental Earth Sciences, 2010, , 469-474.	0.2	4
41	Influence of Daily Visiting Regime in Tourist Cave at Different Seasons. Environmental Earth Sciences, 2010, , 475-481.	0.2	3
42	Mineral-Forming Processes at Canelobre Cave (Alicante, SE Spain). Environmental Earth Sciences, 2010, , 503-508.	0.2	1
43	Analysis of potential direct insolation as a degradation factor of cave paintings in Villar del Humo, Cuenca, Central Spain. Geoarchaeology - an International Journal, 2009, 24, 450-465.	1.5	12
44	The fungal colonisation of rock-art caves: experimental evidence. Die Naturwissenschaften, 2009, 96, 1027-1034.	1.6	48
45	Is the availability of different nutrients a critical factor for the impact of bacteria on subterraneous carbon budgets?. Die Naturwissenschaften, 2009, 96, 1035-1042.	1.6	32
46	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. Environmental Geology, 2009, 56, 1495.	1.2	18
47	Microbial communities and associated mineral fabrics in Altamira Cave, Spain. International Journal of Speleology, 2009, 38, 83-92.	1.0	76
48	Annual and transient signatures of gas exchange and transport in the CastaÃ±ar de Ibor cave (Spain). International Journal of Speleology, 2009, 38, 153-162.	1.0	38
49	The influence of petrophysical properties on the salt weathering of porous building rocks. Environmental Geology, 2007, 52, 215-224.	1.2	137
50	On the origin of fiber calcite crystals in moonmilk deposits. Die Naturwissenschaften, 2006, 93, 27-32.	1.6	135
51	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
52	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
53	Limeâ€“pozzolana mortars in Roman catacombs: composition, structures and restoration. Cement and Concrete Research, 2005, 35, 1555-1565.	11.0	65
54	Biomediated Precipitation of Calcium Carbonate Metastable Phases in Hypogean Environments: A Short Review. Geomicrobiology Journal, 2003, 20, 491-500.	2.0	87

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55	Mortars, pigments and saline efflorescence from Canarian pre-Hispanic constructions (Galdar, Grand) Tj ETQq1 1 0.784314 rgBT /Ove	7.2	8
56	Geomicrobiological Study of the Grotta dei Cervi, Porto Badisco, Italy. Geomicrobiology Journal, 2001, 18, 241-258.	2.0	93
57	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
58	Calcitization of Mgâ€“Ca carbonate and Ca sulphate deposits in a continental Tertiary basin (Calatayud) Tj ETQq0 0 0 rgBT /Overlock 10	2.1	39
59	Microorganisms and Microbially Induced Fabrics in Cave Walls. Geomicrobiology Journal, 2001, 18, 223-240.	2.0	143
60	Pseudospherulitic fibrous calcite in paleo-groundwater, unconformity-related diagenetic carbonates (Paleocene of the Ager Basin and Miocene of the Madrid Basin, Spain). Journal of Sedimentary Research, 1999, 69, 224-238.	1.6	29
61	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
62	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
63	Causas y mecanismos de deterioro de los materiales pÃ©treos del pavimento del conjunto arqueolÃ³gico de Baelo Claudia, CÃ¡diz/EspaÃ±a. Materiales De Construccion, 1999, 49, 5-18.	0.7	6
64	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
65	Meteoric calcitization of magnesite in Miocene lacustrine deposits (Calatayud basin, NE Spain). Sedimentary Geology, 1998, 119, 183-194.	2.1	15
66	Penecontemporaneous diagenesis in continental saline sediments: bloeditization in Quero playa lake (La Mancha, Central Spain). Chemical Geology, 1998, 149, 189-207.	3.3	20
67	3D soft-sediment deformation structures: evidence for Quaternary seismicity in the Madrid basin, Spain. Terra Nova, 1997, 9, 208-212.	2.1	16
68	Hydration diapirism: a climate-related initiation of evaporite mounds in two continental Neogene basins of central Spain. Geological Society Special Publication, 1996, 100, 49-63.	1.3	4
69	Dedolomites associated with karstification. An example of early dedolomitization in lacustrine sequences from the Tertiary Madrid basin, central Spain. Carbonates and Evaporites, 1996, 11, 85-103.	1.0	46