

Angel Fernandez-Cortes

List of Publications by Year in descending order

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75
papers

1,948
citations

304743

22
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276875

41
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79
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79
docs citations

79
times ranked

2015
citing authors

#	ARTICLE	IF	CITATIONS
1	The Absolute Age and Origin of the Giant Gypsum Geode of PulpÃ-(AlmerÃa, SE Spain). <i>Geosciences (Switzerland)</i> , 2022, 12, 144.	2.2	3
2	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
3	Early Detection of Phototrophic Biofilms in the Polychrome Panel, El Castillo Cave, Spain. , 2022, 1, 40-63.		7
4	Diversity of Microfungi in a High Radon Cave Ecosystem. <i>Frontiers in Microbiology</i> , 2022, 13, 869661.	3.5	9
5	Global models for ²²² Rn and CO ₂ concentrations in the Cave of Altamira. <i>Theoretical and Applied Climatology</i> , 2021, 143, 603-626.	2.8	6
6	Squandering water in drylands: the waterâ€use strategy of the phreatophyte <i>Ziziphus lotus</i> in a groundwaterâ€dependent ecosystem. <i>American Journal of Botany</i> , 2021, 108, 236-248.	1.7	11
7	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
8	Environment-driven control of fungi in subterranean ecosystems: the case of La Garma Cave (northern Spain). <i>International Microbiology</i> , 2021, 24, 573-591.	2.4	12
9	Dominance of <i>Arcobacter</i> in the white filaments from the thermal sulfidic spring of Fetida Cave (Apulia, southern Italy). <i>Science of the Total Environment</i> , 2021, 800, 149465.	8.0	6
10	Micromorphological Study of Site Formation Processes at El SidrÃn Cave (Asturias, Northern Spain): Encrustations over Neanderthal Bones. <i>Geosciences (Switzerland)</i> , 2021, 11, 413.	2.2	0
11	Geoâ€environmental evaluation for the preventive conservation of openâ€air archaeological sites: the case of the Roman Necropolis of Carmona (Spain). <i>Archaeological Prospection</i> , 2020, 27, 13-26.	2.2	0
12	Microbial Activity in Subterranean Ecosystems: Recent Advances. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8130.	2.5	11
13	Biologically mediated release of endogenous N ₂ O and NO ₂ gases in a hydrothermal, hypoxic subterranean environment. <i>Science of the Total Environment</i> , 2020, 747, 141218.	8.0	21
14	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
15	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
16	Radiolysis via radioactivity is not responsible for rapid methane oxidation in subterranean air. <i>PLoS ONE</i> , 2018, 13, e0206506.	2.5	4
17	Geochemical Fingerprinting of Rising Deep Endogenous Gases in an Active Hypogenic Karst System. <i>Geofluids</i> , 2018, 2018, 1-19.	0.7	6
18	First assessment on the air CO ₂ dynamic in the show caves of tropical karst, Vietnam. <i>International Journal of Speleology</i> , 2018, 47, 93-112.	1.0	7

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19	Estudio geoarqueológico de la cueva de El Sidrón (Piloña, Asturias).. Boletín Geológico Y Minero, 2018, 1129, 107-128.	0.1	0
20	Abiotic and seasonal control of soil-produced CO ₂ efflux in karstic ecosystems located in Oceanic and Mediterranean climates. Atmospheric Environment, 2017, 164, 31-49.	4.1	16
21	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. Catena, 2017, 149, 402-416.	5.0	36
22	Changes in the CO ₂ 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
23	Flash flood events recorded by air temperature changes in caves: A case study in Covadura Cave (SE Tj ETQq1 1 0.784314 rgBT /Over	5.4	12
24	Composition, uses, provenance and stability of rocks and ancient mortars in a Theban Tomb in Luxor (Egypt). Materials and Structures/Materiaux Et Constructions, 2016, 49, 941-960.	3.1	17
25	Assessment of CO ₂ dynamics in subsurface atmospheres using the wavelet approach: from cavity-atmosphere exchange to anthropogenic impacts in Rull cave (Vall d'Ebo, Spain). Environmental Earth Sciences, 2016, 75, 1.	2.7	11
26	Climate-Driven Changes on Storage and Sink of Carbon Dioxide in Subsurface Atmosphere of Karst Terrains. , 2015, , 523-531.		0
27	14. Scientific Data Suggest Altamira Cave Should Remain Closed. , 2015, , 303-320.		4
28	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. Environmental Earth Sciences, 2015, 74, 7715-7730.	2.7	16
29	High radon levels in subterranean environments: monitoring and technical criteria to ensure human safety (case of Castañar cave, Spain). Journal of Environmental Radioactivity, 2015, 145, 19-29.	1.7	26
30	Subterranean atmospheres may act as daily methane sinks. Nature Communications, 2015, 6, 7003.	12.8	42
31	The deterioration of Circular Mausoleum, Roman Necropolis of Carmona, Spain. Science of the Total Environment, 2015, 518-519, 65-77.	8.0	9
32	Definition of Microclimatic Conditions in a Karst Cavity: Rull Cave (Alicante, Spain). , 2015, , 497-503.		4
33	Combining stable isotope (¹³ C) of trace gases and aerobiological data to monitor the entry and dispersion of microorganisms in caves. Environmental Science and Pollution Research, 2014, 21, 473-484.	5.3	28
34	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
35	Main drivers of diffusive and advective processes of CO ₂ -gas exchange between a shallow vadose zone and the atmosphere. International Journal of Greenhouse Gas Control, 2014, 21, 113-129.	4.6	44
36	EnvironmentalWaveletTool: Continuous and discrete wavelet analysis and filtering for environmental time series. Computer Physics Communications, 2014, 185, 2758-2770.	7.5	15

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37	Detection of urban subsurface pollution by rapid multiparametric surveys in the 16th century Paranhos spring water tunnel (Porto, Portugal). , 2014, , 89-94.		1
38	The conservation of the Carmona Necropolis (Sevilla, Spain). , 2014, , 45-50.		1
39	Leaching of uranyl-silica complexes from the host metapelite rock favoring high radon activity of subsoil air: case of Castañar cave (Spain). Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 1567-1585.	1.5	10
40	Petrophysical properties, composition and deterioration of the Calatorao biogenic stone: case of the sculptures masonry of the Valley of the Fallen (Madrid, Spain). Environmental Earth Sciences, 2013, 69, 1733-1750.	2.7	4
41	Cave aerosols: distribution and contribution to speleothem geochemistry. Quaternary Science Reviews, 2013, 63, 23-41.	3.0	73
42	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
43	Effect of water vapour condensation on the radon content in subsurface air in a hypogean inactive-volcanic environment in Galdar cave, Spain. Atmospheric Environment, 2013, 75, 15-23.	4.1	18
44	Biogenic Mn oxide minerals coating in a subsurface granite environment. Chemical Geology, 2012, 322-323, 181-191.	3.3	52
45	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
46	Neanderthal medics? Evidence for food, cooking, and medicinal plants entrapped in dental calculus. Die Naturwissenschaften, 2012, 99, 617-626.	1.6	315
47	The biogeochemical role of Actinobacteria in Altamira Cave, Spain. FEMS Microbiology Ecology, 2012, 81, 281-290.	2.7	97
48	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
49	Short-term CO ₂ (g) exchange between a shallow karstic cavity and the external atmosphere during summer: Role of the surface soil layer. Atmospheric Environment, 2011, 45, 1418-1427.	4.1	79
50	Salt damage and microclimate in the Postumius Tomb, Roman Necropolis of Carmona, Spain. Environmental Earth Sciences, 2011, 63, 1529-1543.	2.7	53
51	Detection of human-induced environmental disturbances in a show cave. Environmental Science and Pollution Research, 2011, 18, 1037-1045.	5.3	85
52	Characterization of trace gases' fluctuations on a "low energy" cave (Castañar de Ábor, Spain) using techniques of entropy of curves. International Journal of Climatology, 2011, 31, 127-143.	3.5	38
53	Paleolithic Art in Peril: Policy and Science Collide at Altamira Cave. Science, 2011, 334, 42-43.	12.6	120
54	Rare Earth Elements in a Speleothem Analyzed by ICP-MS, EDS, and Spectra Cathodoluminescence. Spectroscopy Letters, 2011, 44, 474-479.	1.0	4

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55	Mineral-Variations Study of Canelobre Cave Phosphate Stalactites by Raman and Luminescence Methods. <i>Spectroscopy Letters</i> , 2011, 44, 539-542.	1.0	1
56	Fungal outbreak in a show cave. <i>Science of the Total Environment</i> , 2010, 408, 3632-3638.	8.0	62
57	Microbiological study of bulls of indulgence of the 15th-16th centuries. <i>Science of the Total Environment</i> , 2010, 408, 3711-3715.	8.0	16
58	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
59	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
60	Influence of Daily Visiting Regime in Tourist Cave at Different Seasons. <i>Environmental Earth Sciences</i> , 2010, , 475-481.	0.2	3
61	Mineral-Forming Processes at Canelobre Cave (Alicante, SE Spain). <i>Environmental Earth Sciences</i> , 2010, , 503-508.	0.2	1
62	The fungal colonisation of rock-art caves: experimental evidence. <i>Die Naturwissenschaften</i> , 2009, 96, 1027-1034.	1.6	48
63	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
64	Speleothems in gypsum caves and their paleoclimatological significance. <i>Environmental Geology</i> , 2008, 53, 1099-1105.	1.2	22
65	Climatic conditions, diapause and migration in a troglophile caddisfly. <i>Freshwater Biology</i> , 2008, 53, 1606-1617.	2.4	21
66	Hydrogeochemical processes as environmental indicators in drip water: study of the Cueva del Agua (Southern Spain). <i>International Journal of Speleology</i> , 2008, 37, 41-52.	1.0	9
67	Stalactite drip rate variations controlled by air pressure changes: an example of non-linear infiltration processes in the "Cueva del Agua" (Spain). <i>Hydrological Processes</i> , 2007, 21, 920-930.	2.6	11
68	Estimating groundwater recharge induced by engineering systems in a semiarid area (southeastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	36
69	Geotourism in Spain: resources and environmental management. , 2006, , 199-220.		5
70	Geostatistical spatiotemporal analysis of air temperature as an aid to delineating thermal stability zones in a potential show cave: Implications for environmental management. <i>Journal of Environmental Management</i> , 2006, 81, 371-383.	7.8	19
71	The Pulpá-gigantic geode (Almería, Spain): geology, metal pollution, microclimatology, and conservation. <i>Environmental Geology</i> , 2006, 50, 707-716.	1.2	11
72	Spatiotemporal analysis of air conditions as a tool for the environmental management of a show cave (Cueva del Agua, Spain). <i>Atmospheric Environment</i> , 2006, 40, 7378-7394.	4.1	41

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73	Microclimate processes characterization of the giant Geode of PulpÃ (AlmerÃa, Spain): technical criteria for conservation. International Journal of Climatology, 2006, 26, 691-706.	3.5	11
74	Environmental control for determining human impact and permanent visitor capacity in a potential show cave before tourist use. Environmental Conservation, 2003, 30, 160-167.	1.3	51
75	Mechanical Characterisation of Ancient Egyptian Mortars. Key Engineering Materials, 0, 465, 487-490.	0.4	1