

# Soledad Cuezva

## List of Publications by Year in descending order

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72  
papers

2,175  
citations

201674

27  
h-index

233421

45  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2025  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Diversity of Microfungi in a High Radon Cave Ecosystem. <i>Frontiers in Microbiology</i> , 2022, 13, 869661.	3.5	9
3	Global models for <sup>222</sup> Rn and CO <sub>2</sub> concentrations in the Cave of Altamira. <i>Theoretical and Applied Climatology</i> , 2021, 143, 603-626.	2.8	6
4	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
5	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
6	Micromorphological Study of Site Formation Processes at El Sidr <sup>3</sup> n Cave (Asturias, Northern Spain): Encrustations over Neanderthal Bones. <i>Geosciences (Switzerland)</i> , 2021, 11, 413.	2.2	0
7	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
8	Microbial Activity in Subterranean Ecosystems: Recent Advances. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8130.	2.5	11
9	Biologically mediated release of endogenous N <sub>2</sub> O and NO <sub>2</sub> gases in a hydrothermal, hypoxic subterranean environment. <i>Science of the Total Environment</i> , 2020, 747, 141218.	8.0	21
10	Insights on Climate-Driven Fluctuations of Cave <sup>222</sup> Rn and CO <sub>2</sub> Concentrations Using Statistical and Wavelet Analyses. <i>Geofluids</i> , 2020, 2020, 1-17.	0.7	10
11	Nest Gasses as a Potential Attraction Cue for Biting Flying Insects and Other Ectoparasites of Cavity Nesting Birds. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	8
12	KarTS: an R package for microclimate time series analysis. <i>Earth Science Informatics</i> , 2019, 12, 685-697.	3.2	0
13	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
14	Radiolysis via radioactivity is not responsible for rapid methane oxidation in subterranean air. <i>PLoS ONE</i> , 2018, 13, e0206506.	2.5	4
15	Geochemical Fingerprinting of Rising Deep Endogenous Gases in an Active Hypogenic Karst System. <i>Geofluids</i> , 2018, 2018, 1-19.	0.7	6
16	Estudio geoarqueológico de la cueva de El Sidr <sup>3</sup> n (Piloña, Asturias).. <i>Boletín Geológico Y Minero</i> , 2018, 1129, 107-128.	0.1	0
17	New insights on speleoseismology: The geothermal gradient and heat flow values in caves for the study of active faults. <i>Quaternary International</i> , 2017, 451, 165-175.	1.5	4
18	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

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19	Abiotic and seasonal control of soil-produced CO <sub>2</sub> efflux in karstic ecosystems located in Oceanic and Mediterranean climates. <i>Atmospheric Environment</i> , 2017, 164, 31-49.	4.1	16
20	Role of soil pore structure in water infiltration and CO <sub>2</sub> 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
21	Changes in the CO <sub>2</sub> 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
22	Composition, uses, provenance and stability of rocks and ancient mortars in a Theban Tomb in Luxor (Egypt). <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 941-960.	3.1	17
23	Assessment of CO <sub>2</sub> dynamics in subsurface atmospheres using the wavelet approach: from cavity atmosphere exchange to anthropogenic impacts in Rull cave (Vall d'Àlbufera, Spain). <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	11
24	Climate-Driven Changes on Storage and Sink of Carbon Dioxide in Subsurface Atmosphere of Karst Terrains. , 2015, , 523-531.		0
25	14. Scientific Data Suggest Altamira Cave Should Remain Closed. , 2015, , 303-320.		4
26	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
27	High radon levels in subterranean environments: monitoring and technical criteria to ensure human safety (case of Castañar cave, Spain). <i>Journal of Environmental Radioactivity</i> , 2015, 145, 19-29.	1.7	26
28	Subterranean atmospheres may act as daily methane sinks. <i>Nature Communications</i> , 2015, 6, 7003.	12.8	42
29	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
30	Definition of Microclimatic Conditions in a Karst Cavity: Rull Cave (Alicante, Spain). , 2015, , 497-503.		4
31	Combining stable isotope ( <sup>13</sup> C) of trace gases and aerobiological data to monitor the entry and dispersion of microorganisms in caves. <i>Environmental Science and Pollution Research</i> , 2014, 21, 473-484.	5.3	28
32	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
33	Main drivers of diffusive and advective processes of CO <sub>2</sub> -gas exchange between a shallow vadose zone and the atmosphere. <i>International Journal of Greenhouse Gas Control</i> , 2014, 21, 113-129.	4.6	44
34	EnvironmentalWaveletTool: Continuous and discrete wavelet analysis and filtering for environmental time series. <i>Computer Physics Communications</i> , 2014, 185, 2758-2770.	7.5	15
35	Deterioration of an Etruscan tomb by bacteria from the order Rhizobiales. <i>Scientific Reports</i> , 2014, 4, 3610.	3.3	38
36	Detection of urban subsurface pollution by rapid multiparametric surveys in the 16th century Paranhos spring water tunnel (Porto, Portugal). , 2014, , 89-94.		1

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37	The conservation of the Carmona Necropolis (Sevilla, Spain). , 2014, , 45-50.		1
38	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
39	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
40	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
41	The Actinobacterial Colonization of Etruscan Paintings. Scientific Reports, 2013, 3, 1440.	3.3	74
42	Atmospheric turbulence triggers pronounced diel pattern in karst carbonate geochemistry. Biogeosciences, 2013, 10, 5009-5017.	3.3	38
43	Evaluation of environmental conditions of the Museo del Ejercito (Toledo, Spain) by means of Sol-Gel optical sensors. , 2013, , 27-32.		1
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	The biogeochemical role of Actinobacteria in Altamira Cave, Spain. FEMS Microbiology Ecology, 2012, 81, 281-290.	2.7	97
47	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
48	Short-term CO <sub>2</sub> (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
49	Detection of human-induced environmental disturbances in a show cave. Environmental Science and Pollution Research, 2011, 18, 1037-1045.	5.3	85
50	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
51	Paleolithic Art in Peril: Policy and Science Collide at Altamira Cave. Science, 2011, 334, 42-43.	12.6	120
52	Rare Earth Elements in a Speleothem Analyzed by ICP-MS, EDS, and Spectra Cathodoluminescence. Spectroscopy Letters, 2011, 44, 474-479.	1.0	4
53	Mineral-Variations Study of Canelobre Cave Phosphate Stalactites by Raman and Luminescence Methods. Spectroscopy Letters, 2011, 44, 539-542.	1.0	1
54	Fungal outbreak in a show cave. Science of the Total Environment, 2010, 408, 3632-3638.	8.0	62

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55	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
56	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
57	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
58	The fungal colonisation of rock-art caves: experimental evidence. <i>Die Naturwissenschaften</i> , 2009, 96, 1027-1034.	1.6	48
59	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
60	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
61	Interannual CO <sub>2</sub> exchange of a sparse Mediterranean shrubland on a carbonaceous substrate. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
62	Microbial communities and associated mineral fabrics in Altamira Cave, Spain. <i>International Journal of Speleology</i> , 2009, 38, 83-92.	1.0	76
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	Phosphor plasters of on the courtyard wall of Djehuty's tomb (Luxor, Egypt). <i>Radiation Measurements</i> , 2008, 43, 849-853.	1.4	6
65	Can flux tower research neglect geochemical CO <sub>2</sub> exchange?. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1045-1054.	4.8	95
66	On the origin of fiber calcite crystals in moonmilk deposits. <i>Die Naturwissenschaften</i> , 2006, 93, 27-32.	1.6	135
67	High <sup>222</sup> Rn levels in a show cave (Castañar de Ibor, Spain): Proposal and application of management measures to minimize the effects on guides and visitors. <i>Atmospheric Environment</i> , 2006, 40, 7395-7400.	4.1	42
68	Paleobiology and comparative morphology of a late Neandertal sample from El Sidron, Asturias, Spain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 19266-19271.	7.1	206
69	Habitat constraints in epikarstic waters of an Iberian Peninsula cave system. <i>Annales De Limnologie</i> , 2006, 42, 127-140.	0.6	26
70	Radon continuous monitoring in Altamira Cave (northern Spain) to assess user's annual effective dose. <i>Journal of Environmental Radioactivity</i> , 2005, 80, 161-174.	1.7	63
71	Deterioration of building materials in Roman catacombs: The influence of visitors. <i>Science of the Total Environment</i> , 2005, 349, 260-276.	8.0	75
72	Mechanical Characterisation of Ancient Egyptian Mortars. <i>Key Engineering Materials</i> , 0, 465, 487-490.	0.4	1