

# Octavio Artieda

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,109  
citations

516710

16  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1019  
citing authors

#	ARTICLE	IF	CITATIONS
1	The composition of endolithic communities in gypcrete is determined by the specific microhabitat architecture. <i>Biogeosciences</i> , 2021, 18, 993-1007.	3.3	8
2	Crystalline water in gypsum is unavailable for cyanobacteria in laboratory experiments and in natural desert endolithic habitats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27786-27787.	7.1	5
3	Raman imaging of microbial colonization in rock "some analytical aspects. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3717-3726.	3.7	12
4	The Desert Polyextreme Environment and Endolithic Habitats. , 2020, , 37-49.		1
5	Fundamental drivers for endolithic microbial community assemblies in the hyperarid Atacama Desert. <i>Environmental Microbiology</i> , 2018, 20, 1765-1781.	3.8	82
6	Endolithic microbial habitats as refuges for life in polyextreme environment of the Atacama Desert. <i>Current Opinion in Microbiology</i> , 2018, 43, 124-131.	5.1	79
7	The Determination of Gypsum in Soils. <i>Soil Science Society of America Journal</i> , 2018, 82, 293-294.	2.2	2
8	Raman microspectrometric study of pigments in melanized fungi from the hyperarid Atacama desert gypsum crust. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1487-1493.	2.5	31
9	Discovery of carotenoid red-shift in endolithic cyanobacteria from the Atacama Desert. <i>Scientific Reports</i> , 2017, 7, 11116.	3.3	38
10	Phylogenetic and Functional Substrate Specificity for Endolithic Microbial Communities in Hyper-Arid Environments. <i>Frontiers in Microbiology</i> , 2016, 7, 301.	3.5	60
11	Raman imaging in geomicrobiology: endolithic phototrophic microorganisms in gypsum from the extreme sun irradiation area in the Atacama Desert. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4083-4092.	3.7	34
12	Biosignatures and microbial fossils in endolithic microbial communities colonizing Ca-sulfate crusts in the Atacama Desert. <i>Chemical Geology</i> , 2016, 443, 22-31.	3.3	6
13	Soils of the Temperate Humid Zone. <i>World Soils Book Series</i> , 2016, , 49-144.	0.2	10
14	Surface evolution of salt-encrusted playas under extreme and continued dryness. <i>Earth Surface Processes and Landforms</i> , 2015, 40, 1939-1950.	2.5	21
15	Adaptation strategies of endolithic chlorophototrophs to survive the hyperarid and extreme solar radiation environment of the Atacama Desert. <i>Frontiers in Microbiology</i> , 2015, 6, 934.	3.5	108
16	Microbial diversity and the presence of algae in halite endolithic communities are correlated to atmospheric moisture in the hyper-arid zone of the Atacama Desert. <i>Environmental Microbiology</i> , 2015, 17, 299-315.	3.8	108
17	Ignimbrite textural properties as determinants of endolithic colonization patterns from hyper-arid Atacama Desert. <i>International Microbiology</i> , 2014, 17, 235-47.	2.4	40
18	Ignimbrite as a substrate for endolithic life in the hyper-arid Atacama Desert: Implications for the search for life on Mars. <i>Icarus</i> , 2013, 224, 334-346.	2.5	66

#	ARTICLE	IF	CITATIONS
19	Morphology and micro-fabrics of weathering features on gyprock exposures in a semiarid environment (Ebro Tertiary Basin, NE Spain). <i>Geomorphology</i> , 2013, 196, 198-210.	2.6	16
20	Microbial colonisation of chasmoendolithic habitats in the hyper-arid zone of the Atacama Desert. <i>Biogeosciences</i> , 2013, 10, 2439-2450.	3.3	65
21	Microbial colonization of Ca-sulfate crusts in the hyperarid core of the Atacama Desert: implications for the search for life on Mars. <i>Geobiology</i> , 2011, 9, 44-60.	2.4	143
22	Gypsic Features. , 2010, , 195-216.		18
23	Gypsum, a Tricky Material. <i>Soil Science Society of America Journal</i> , 2009, 73, 1757-1763.	2.2	72
24	Refinement of the Differential Water Loss Method for Gypsum Determination in Soils. <i>Soil Science Society of America Journal</i> , 2006, 70, 1932-1935.	2.2	72
25	Pedogenesis in Lutitic Cr Horizons of Gypsiferous Soils. <i>Soil Science Society of America Journal</i> , 2003, 67, 1496-1506.	2.2	10
26	Silt-sized sediments and gypsum on surface formations in the Ebro valley. A disambiguation of the term gypsiferous silts. <i>Geologica Acta</i> , 0, 19, 1-21.	1.0	2
27	Silt-sized sediments and gypsum on surface formations in the Ebro valley. A disambiguation of the term gypsiferous silts. <i>Geologica Acta</i> , 0, 19, 1-21.	1.0	0