

# Octavio Artieda

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/480731/publications.pdf>

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	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
2	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
3	Microbial diversity and the presence of algae in halite endolithic communities are correlated to atmospheric moisture in the hyperarid zone of the Atacama Desert. <i>Environmental Microbiology</i> , 2015, 17, 299-315.	3.8	108
4	Fundamental drivers for endolithic microbial community assemblies in the hyperarid Atacama Desert. <i>Environmental Microbiology</i> , 2018, 20, 1765-1781.	3.8	82
5	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
6	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
7	Gypsum, a Tricky Material. <i>Soil Science Society of America Journal</i> , 2009, 73, 1757-1763.	2.2	72
8	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
9	Microbial colonisation of chasmoendolithic habitats in the hyper-arid zone of the Atacama Desert. <i>Biogeosciences</i> , 2013, 10, 2439-2450.	3.3	65
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	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
12	Discovery of carotenoid red-shift in endolithic cyanobacteria from the Atacama Desert. <i>Scientific Reports</i> , 2017, 7, 11116.	3.3	38
13	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
14	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
15	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
16	Gypsic Features. , 2010, , 195-216.		18
17	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
18	Raman imaging of microbial colonization in rock—some analytical aspects. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3717-3726.	3.7	12

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19	Pedogenesis in Lutitic Cr Horizons of Gypsiferous Soils. Soil Science Society of America Journal, 2003, 67, 1496-1506.	2.2	10
20	Soils of the Temperate Humid Zone. World Soils Book Series, 2016, , 49-144.	0.2	10
21	The composition of endolithic communities in gypcrete is determined by the specific microhabitat architecture. Biogeosciences, 2021, 18, 993-1007.	3.3	8
22	Biosignatures and microbial fossils in endolithic microbial communities colonizing Ca-sulfate crusts in the Atacama Desert. Chemical Geology, 2016, 443, 22-31.	3.3	6
23	Crystalline water in gypsum is unavailable for cyanobacteria in laboratory experiments and in natural desert endolithic habitats. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27786-27787.	7.1	5
24	The Determination of Gypsum in Soils. Soil Science Society of America Journal, 2018, 82, 293-294.	2.2	2
25	Silt-sized sediments and gypsum on surface formations in the Ebro valley. A disambiguation of the term gypsiferous silts. Geologica Acta, 0, 19, 1-21.	1.0	2
26	The Desert Polyextreme Environment and Endolithic Habitats. , 2020, , 37-49.		1
27	Silt-sized sediments and gypsum on surface formations in the Ebro valley. A disambiguation of the term gypsiferous silts. Geologica Acta, 0, 19, 1-21.	1.0	0