

Carrizo D

List of Publications by Year in descending order

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75
papers

2,423
citations

186209

28
h-index

214721

47
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78
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78
docs citations

78
times ranked

3240
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpreting Molecular and Isotopic Biosignatures in Methane-Derived Authigenic Carbonates in the Light of a Potential Carbon Cycle in the Icy Moons. <i>Astrobiology</i> , 2022, 22, 552-567.	1.5	1
2	Diversity and Effect of Increasing Temperature on the Activity of Methanotrophs in Sediments of Fildes Peninsula Freshwater Lakes, King George Island, Antarctica. <i>Frontiers in Microbiology</i> , 2022, 13, 822552.	1.5	12
3	Raman spectroscopic peculiarities of Icelandic poorly crystalline minerals and their implications for Mars exploration. <i>Scientific Reports</i> , 2022, 12, 5640.	1.6	4
4	Ecological variability based on lipid biomarkers in astrobiologically interesting wetlands from the Argentinian central Andes. <i>FEMS Microbiology Ecology</i> , 2022, 98, .	1.3	4
5	Centennial glacier retreat increases sedimentation and eutrophication in Subantarctic periglacial lakes: A study case of Lake Uruguay. <i>Science of the Total Environment</i> , 2021, 754, 142066.	3.9	14
6	Molecular and isotopic biogeochemistry on recently-formed soils on King George Island (Maritime) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142662.	3.9	5
7	Methanogenesis at High Temperature, High Ionic Strength and Low pH in the Volcanic Area of Dallol, Ethiopia. <i>Microorganisms</i> , 2021, 9, 1231.	1.6	3
8	Biological production of H_2 , CH_4 and CO_2 in the deep subsurface of the Iberian Pyrite Belt. <i>Environmental Microbiology</i> , 2021, 23, 3913-3922.	1.8	13
9	Geomicrobiological Heterogeneity of Lithic Habitats in the Extreme Environment of Antarctic Nunataks: A Potential Early Mars Analog. <i>Frontiers in Microbiology</i> , 2021, 12, 670982.	1.5	5
10	Time-Integrative Multibiomarker Detection in Triassic–Jurassic Rocks from the Atacama Desert: Relevance to the Search for Basic Life Beyond Earth. <i>Astrobiology</i> , 2021, 21, 1421-1437.	1.5	9
11	Unveiling microbial preservation under hyperacidic and oxidizing conditions in the Oligocene Rio Tinto deposit. <i>Scientific Reports</i> , 2021, 11, 21543.	1.6	2
12	Identification of microplastics in wastewater samples by means of polarized light optical microscopy. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7409-7419.	2.7	56
13	Interlaboratory test for stable carbon isotope analysis of dissolved inorganic carbon in geothermal fluids. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8685.	0.7	2
14	Characterization of plastic beach litter by Raman spectroscopy in South-western Spain. <i>Science of the Total Environment</i> , 2020, 744, 140890.	3.9	28
15	Constraining the preservation of organic compounds in Mars analog nontronites after exposure to acid and alkaline fluids. <i>Scientific Reports</i> , 2020, 10, 15097.	1.6	15
16	Fingerprinting molecular and isotopic biosignatures on different hydrothermal scenarios of Iceland, an acidic and sulfur-rich Mars analog. <i>Scientific Reports</i> , 2020, 10, 21196.	1.6	15
17	Inhabited subsurface wet smectites in the hyperarid core of the Atacama Desert as an analog for the search for life on Mars. <i>Scientific Reports</i> , 2020, 10, 19183.	1.6	21
18	Detection of Potential Lipid Biomarkers in Oxidative Environments by Raman Spectroscopy and Implications for the ExoMars 2020-Raman Laser Spectrometer Instrument Performance. <i>Astrobiology</i> , 2020, 20, 405-414.	1.5	5

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19	Simulating Mars Drilling Mission for Searching for Life: <i>Ground-Truthing</i> Lipids and Other Complex Microbial Biomarkers in the Iron-Sulfur Rich <i>R�o Tinto</i> Analog. <i>Astrobiology</i> , 2020, 20, 1029-1047.	1.5	31
20	Mesoplastics and large microplastics along a use gradient on the Uruguay Atlantic coast: Types, sources, fates, and chemical loads. <i>Science of the Total Environment</i> , 2020, 721, 137734.	3.9	22
21	Biomarker Profiling of Microbial Mats in the Geothermal Band of Cerro Caliente, Deception Island (Antarctica): Life at the Edge of Heat and Cold. <i>Astrobiology</i> , 2019, 19, 1490-1504.	1.5	27
22	Lipid Biomarker and Carbon Stable Isotope Survey on the Dallol Hydrothermal System in Ethiopia. <i>Astrobiology</i> , 2019, 19, 1474-1489.	1.5	11
23	Discriminating sources and preservation of organic matter in surface sediments from five Antarctic lakes in the Fildes Peninsula (King George Island) by lipid biomarkers and compound-specific isotopic analysis. <i>Science of the Total Environment</i> , 2019, 672, 657-668.	3.9	41
24	Microbial Biomarker Transition in High-Altitude Sinter Mounds From El Tatio (Chile) Through Different Stages of Hydrothermal Activity. <i>Frontiers in Microbiology</i> , 2019, 9, 3350.	1.5	25
25	Transitory microbial habitat in the hyperarid Atacama Desert. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2670-2675.	3.3	172
26	Productivity Contribution of Paleozoic Woodlands to the Formation of Shale-Hosted Massive Sulfide Deposits in the Iberian Pyrite Belt (Tharsis, Spain). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 1017-1040.	1.3	4
27	Unprecedented rains decimate surface microbial communities in the hyperarid core of the Atacama Desert. <i>Scientific Reports</i> , 2018, 8, 16706.	1.6	54
28	Molecular biomarkers in the subsurface of the Salar Grande (Atacama, Chile) evaporitic deposits. <i>Biogeochemistry</i> , 2018, 140, 31-52.	1.7	39
29	Inter-laboratory test for oxygen and hydrogen stable isotope analyses of geothermal fluids: Assessment of reservoir fluid compositions. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1799-1810.	0.7	5
30	Distribution of serum levels of persistent organic pollutants, heterocyclic aromatic amine theoretical intake and nutritional cofactors in a semi-rural island population. <i>Environmental Science and Pollution Research</i> , 2017, 24, 22393-22401.	2.7	3
31	Spatial Distributions of DDTs in the Water Masses of the Arctic Ocean. <i>Environmental Science & Technology</i> , 2017, 51, 7913-7919.	4.6	25
32	Untargeted metabolomic analysis of human serum samples associated with exposure levels of Persistent organic pollutants indicate important perturbations in Sphingolipids and Glycerophospholipids levels. <i>Chemosphere</i> , 2017, 168, 731-738.	4.2	48
33	Untargeted metabolomic analysis of human serum samples associated with different levels of red meat consumption: A possible indicator of type 2 diabetes?. <i>Food Chemistry</i> , 2017, 221, 214-221.	4.2	9
34	A neuropeptide modulates sensory perception in the entomopathogenic nematode <i>Steinernema carpocapsae</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006185.	2.1	33
35	Direct screening of tobacco indicators in urine and saliva by Atmospheric Pressure Solid Analysis Probe coupled to quadrupole-time of flight mass spectrometry (ASAP-MS-Q-TOF-). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 124, 149-156.	1.4	29
36	Plastic ingestion by a generalist seabird on the coast of Uruguay. <i>Marine Pollution Bulletin</i> , 2016, 107, 71-76.	2.3	36

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37	Plastics and microplastics on recreational beaches in Punta del Este (Uruguay): Unseen critical residents?. <i>Environmental Pollution</i> , 2016, 218, 931-941.	3.7	93
38	Extension of shelf life of two fatty foods using a new antioxidant multilayer packaging containing green tea extract. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 33, 534-541.	2.7	64
39	Methyl chloride and methyl bromide emissions from baking: an unrecognized anthropogenic source. <i>Science of the Total Environment</i> , 2016, 551-552, 327-333.	3.9	9
40	Observation-Based Assessment of PBDE Loads in Arctic Ocean Waters. <i>Environmental Science & Technology</i> , 2016, 50, 2236-2245.	4.6	40
41	Food contamination during food process. <i>Trends in Food Science and Technology</i> , 2016, 48, 63-68.	7.8	204
42	The Barrier Effect of EVOH versus 1,4,7-trioxacyclotridecane-8,13-dione, a Non-intentionally Added Compound from Polyurethane Adhesives in Multilayer Food Packaging. <i>Packaging Technology and Science</i> , 2015, 28, 1039-1046.	1.3	4
43	Atmospheric pressure solid analysis probe coupled to quadrupole-time of flight mass spectrometry as a tool for screening and semi-quantitative approach of polycyclic aromatic hydrocarbons, nitro-polycyclic aromatic hydrocarbons and oxo-polycyclic aromatic hydrocarbons in complex matrices. <i>Talanta</i> , 2015, 131, 175-184.	2.9	39
44	Management and research on plastic debris in Uruguayan Aquatic Systems: update and perspectives. <i>Journal of Integrated Coastal Zone Management</i> , 2015, 15, 377-393.	0.2	13
45	Development of an active food packaging system with antioxidant properties based on green tea extract. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014, 31, 364-373.	1.1	31
46	A High-Volume Cryosampler and Sample Purification System for Bromine Isotope Studies of Methyl Bromide*. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 2095-2107.	0.5	6
47	Adventitious root formation in olive (<i>Olea europaea</i> L.) microshoots: anatomical evaluation and associated biochemical changes in peroxidase and polyphenol oxidase activities. <i>Journal of Horticultural Science and Biotechnology</i> , 2013, 88, 53-59.	0.9	22
48	Assessment of prenatal exposure to persistent organohalogen compounds from cord blood serum analysis in two Mediterranean populations (Valencia and Menorca). <i>Journal of Environmental Monitoring</i> , 2011, 13, 422-432.	2.1	16
49	Distribution and Inventories of Polychlorinated Biphenyls in the Polar Mixed Layer of Seven Pan-Arctic Shelf Seas and the Interior Basins. <i>Environmental Science & Technology</i> , 2011, 45, 1420-1427.	4.6	33
50	Pan-Arctic River Fluxes of Polychlorinated Biphenyls. <i>Environmental Science & Technology</i> , 2011, 45, 8377-8384.	4.6	24
51	Compound-specific bromine isotope analysis of methyl bromide using gas chromatography hyphenated with inductively coupled plasma multiple collector mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2425-2432.	0.7	19
52	Compound-specific bromine isotope compositions of one natural and six industrially synthesised organobromine substances. <i>Environmental Chemistry</i> , 2011, 8, 127.	0.7	25
53	Integrated analysis of halogenated organic pollutants in sub-millilitre volumes of venous and umbilical cord blood sera. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2265-2272.	1.9	35
54	Compound-specific bromine isotope analysis of brominated diphenyl ethers using gas chromatography multiple collector/inductively coupled plasma mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2135-2142.	0.7	34

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55	An evaluation of the sexual differences in the accumulation of organochlorine compounds in children at birth and at the age of 4 years. <i>Environmental Research</i> , 2010, 110, 244-250.	3.7	26
56	Gas chromatographic-mass spectrometric analysis of polychlorostyrene congener mixtures in sediments, human sera and cord sera. <i>Journal of Chromatography A</i> , 2009, 1216, 5723-5729.	1.8	14
57	Pyrolysis of permethrin and formation of precursors of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) under non-oxidative conditions. <i>Chemosphere</i> , 2009, 74, 1435-1443.	4.2	32
58	Pentachlorobenzene, hexachlorobenzene, and pentachlorophenol in children's serum from industrial and rural populations after restricted use. <i>Ecotoxicology and Environmental Safety</i> , 2008, 71, 260-266.	2.9	31
59	Thyroid disruption at birth due to prenatal exposure to 1,2-hexachlorocyclohexane. <i>Environment International</i> , 2008, 34, 737-740.	4.8	54
60	Effects of PCBs, p,p'-DDT, p,p'-DDE, HCB and α -HCH on thyroid function in preschool children. <i>Occupational and Environmental Medicine</i> , 2008, 65, 452-457.	1.3	69
61	In utero and post-natal accumulation of organochlorine compounds in children under different environmental conditions. <i>Journal of Environmental Monitoring</i> , 2007, 9, 523.	2.1	14
62	Influence of Breastfeeding in the Accumulation of Polybromodiphenyl Ethers during the First Years of Child Growth. <i>Environmental Science & Technology</i> , 2007, 41, 4907-4912.	4.6	86
63	Exposure to Hexachlorobenzene during Pregnancy and Children's Social Behavior at 4 Years of Age. <i>Environmental Health Perspectives</i> , 2007, 115, 447-450.	2.8	91
64	Physical-chemical and Maternal Determinants of the Accumulation of Organochlorine Compounds in Four-Year-Old Children. <i>Environmental Science & Technology</i> , 2006, 40, 1420-1426.	4.6	62
65	Early exposure to dichlorodiphenyldichloroethylene, breastfeeding and asthma at age six. <i>Clinical and Experimental Allergy</i> , 2006, 36, 1236-1241.	1.4	73
66	Rapid and simplified method for the analysis of polychloronaphthalene congener distributions in environmental and human samples by gas chromatography coupled to negative ion chemical ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1118, 271-277.	1.8	18
67	Meconium and neurotoxicants: searching for a prenatal exposure timing. <i>Archives of Disease in Childhood</i> , 2006, 91, 642-646.	1.0	32
68	In Utero Exposure to Background Concentrations of DDT and Cognitive Functioning among Preschoolers. <i>American Journal of Epidemiology</i> , 2006, 164, 955-962.	1.6	164
69	Levels of PCB118 are Associated With Thyroid Hormone Concentrations in Children From General Population. <i>Epidemiology</i> , 2006, 17, S102.	1.2	1
70	In Utero Exposure to Background Concentrations of DDT and Cognitive Functioning Among Preschoolers. <i>Epidemiology</i> , 2006, 17, S103.	1.2	0
71	Early Exposure to DDE and Asthma. <i>Epidemiology</i> , 2006, 17, S281-S282.	1.2	0
72	PRE-NATAL DDE AND ASTHMA IN CHILDREN. <i>Epidemiology</i> , 2005, 16, S26.	1.2	0

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73	Prenatal Dichlorodiphenyldichloroethylene (DDE) and Asthma in Children. Environmental Health Perspectives, 2005, 113, 1787-1790.	2.8	108
74	Biospeleothems Formed by Fungal Activity During the Early Holocene in the "Salar de Uyuni" Frontiers in Microbiology, 0, 13, .	1.5	1
75	Lipid Profiles From Fresh Biofilms Along a Temperature Gradient on a Hydrothermal Stream at El Tatio (Chilean Andes), as a Proxy for the Interpretation of Past and Present Biomarkers Beyond Earth. Frontiers in Microbiology, 0, 13, .	1.5	7