

Donato Giovannelli

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,150
citations

361296

20
h-index

254106

43
g-index

64
all docs

64
docs citations

64
times ranked

2858
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacterioplankton Diversity and Distribution in Relation to Phytoplankton Community Structure in the Ross Sea Surface Waters. <i>Frontiers in Microbiology</i> , 2022, 13, 722900.	1.5	8
2	Assessment of Spatio-Temporal Variability of Faecal Pollution along Coastal Waters during and after Rainfall Events. <i>Water (Switzerland)</i> , 2022, 14, 502.	1.2	16
3	On the Past, Present, and Future Role of Biology in NASA's Exploration of our Solar System. , 2021, 53, .		0
4	Metaproteogenomic Profiling of Chemosynthetic Microbial Biofilms Reveals Metabolic Flexibility During Colonization of a Shallow-Water Gas Vent. <i>Frontiers in Microbiology</i> , 2021, 12, 638300.	1.5	14
5	Effect of tectonic processes on biosphere-geosphere feedbacks across a convergent margin. <i>Nature Geoscience</i> , 2021, 14, 301-306.	5.4	32
6	Genomic and Physiological Characterization of Bacilli Isolated From Salt-Pans With Plant Growth Promoting Features. <i>Frontiers in Microbiology</i> , 2021, 12, 715678.	1.5	18
7	Linking plate tectonic settings and microbial functions on a global scale. , 2021, , .		0
8	Volatile characteristics of Central American geothermal fluids. , 2021, , .		0
9	High ³ He/ ⁴ He in central Panama reveals a distal connection to the Galápagos plume. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
10	Microbial diversity in the backarc hot springs of Argentina and its role in biogeochemical cycles. , 2021, , .		0
11	Let there be water: How hydration/dehydration reactions accompany key Earth and life processes#. <i>American Mineralogist</i> , 2020, 105, 1152-1160.	0.9	10
12	Subduction hides high-pressure sources of energy that may feed the deep subsurface biosphere. <i>Nature Communications</i> , 2020, 11, 3880.	5.8	48
13	Exploring Carbon Mineral Systems: Recent Advances in C Mineral Evolution, Mineral Ecology, and Network Analysis. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	29
14	Abiotic and biotic processes that drive carboxylation and decarboxylation reactions. <i>American Mineralogist</i> , 2020, 105, 609-615.	0.9	13
15	Major Role of Surrounding Environment in Shaping Biofilm Community Composition on Marine Plastic Debris. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	69
16	Microbial Influences on Subduction Zone Carbon Cycling. <i>Eos</i> , 2020, 101, .	0.1	2
17	Hidden Concepts in the History and Philosophy of Origins-of-Life Studies: a Workshop Report. <i>Origins of Life and Evolution of Biospheres</i> , 2019, 49, 111-145.	0.8	19
18	Deep Carbon through Deep Time. , 2019, , 620-652.		10

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19	Forearc carbon sink reduces long-term volatile recycling into the mantle. <i>Nature</i> , 2019, 568, 487-492.	13.7	97
20	Introduction: Deep carbon cycle through five reactions. <i>American Mineralogist</i> , 2019, 104, 465-467.	0.9	9
21	Living at the Extremes: Extremophiles and the Limits of Life in a Planetary Context. <i>Frontiers in Microbiology</i> , 2019, 10, 780.	1.5	339
22	Helium, inorganic and organic carbon isotopes of fluids and gases across the Costa Rica convergent margin. <i>Scientific Data</i> , 2019, 6, 284.	2.4	17
23	Marine Shallow-Water Hydrothermal Vents: Geochemistry. , 2019, , 346-352.		0
24	Marine Shallow-Water Hydrothermal Vents: Microbiology. , 2019, , 353-363.		2
25	Ecological Succession of Sulfur-Oxidizing Epsilon- and Gammaproteobacteria During Colonization of a Shallow-Water Gas Vent. <i>Frontiers in Microbiology</i> , 2018, 9, 2970.	1.5	25
26	Elemental sulfur reduction in the deep-sea vent thermophile, <i>Thermovibrio ammonificans</i> . <i>Environmental Microbiology</i> , 2018, 20, 2301-2316.	1.8	16
27	Trace elements and arsenic speciation in tissues of tube dwelling polychaetes from hydrothermal vent ecosystems (East Pacific Rise): An ecological role as antipredatory strategy?. <i>Marine Environmental Research</i> , 2017, 132, 1-13.	1.1	7
28	Metal availability and the expanding network of microbial metabolisms in the Archaean eon. <i>Nature Geoscience</i> , 2017, 10, 629-636.	5.4	116
29	Insight into the evolution of microbial metabolism from the deep-branching bacterium, <i>Thermovibrio ammonificans</i> . <i>ELife</i> , 2017, 6, .	2.8	40
30	Editorial: Deep Carbon in Earth: Early Career Scientist Contributions to the Deep Carbon Observatory. <i>Frontiers in Earth Science</i> , 2017, 5, .	0.8	0
31	Exploring the Relationship between Macrofaunal Biodiversity and Ecosystem Functioning in the Deep Sea. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	22
32	A Review of the Geochemistry and Microbiology of Marine Shallow-Water Hydrothermal Vents. , 2017, , .		63
33	From extreme environments to human pathogens: an evolutionary journey. <i>Biochemist</i> , 2017, 39, 4-9.	0.2	3
34	Diversity and Distribution of Prokaryotes within a Shallow-Water Pockmark Field. <i>Frontiers in Microbiology</i> , 2016, 7, 941.	1.5	27
35	High-quality draft genome sequence of <i>Sedimenticola selenatireducens</i> strain AK4OH1T, a gammaproteobacterium isolated from estuarine sediment. <i>Standards in Genomic Sciences</i> , 2016, 11, 66.	1.5	5
36	The Role of Microbial Electron Transfer in the Coevolution of the Biosphere and Geosphere. <i>Annual Review of Microbiology</i> , 2016, 70, 45-62.	2.9	82

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37	<i>Sulfurovum riftiae</i> sp. nov., a mesophilic, thiosulfate-oxidizing, nitrate-reducing chemolithoautotrophic epsilonproteobacterium isolated from the tube of the deep-sea hydrothermal vent polychaete <i>Riftia pachyptila</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 2697-2701.	0.8	68
38	Microbial biofilms associated with fluid chemistry and megafaunal colonization at post-eruptive deep-sea hydrothermal vents. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2015, 121, 31-40.	0.6	25
39	Antarctic shallow water benthos in an area of recent rapid glacier retreat. <i>Marine Ecology</i> , 2015, 36, 716-733.	0.4	82
40	Deep-sea hydrothermal vent epsilonproteobacteria encode a conserved and widespread nitrate reduction pathway (Nap). <i>ISME Journal</i> , 2014, 8, 1510-1521.	4.4	86
41	Bioremediation of high organic load lagoon sediments: Compost addition and priming effects. <i>Chemosphere</i> , 2013, 91, 99-104.	4.2	16
42	Eco-geochemical dynamics of a shallow-water hydrothermal vent system at Milos Island, Aegean Sea (Eastern Mediterranean). <i>Chemical Geology</i> , 2013, 356, 11-20.	1.4	41
43	Large-Scale Distribution and Activity of Prokaryotes in Deep-Sea Surface Sediments of the Mediterranean Sea and the Adjacent Atlantic Ocean. <i>PLoS ONE</i> , 2013, 8, e72996.	1.1	25
44	Diversity and phylogenetic analyses of bacteria from a shallow-water hydrothermal vent in Milos island (Greece). <i>Frontiers in Microbiology</i> , 2013, 4, 184.	1.5	61
45	<i>Galenea microaerophila</i> gen. nov., sp. nov., a mesophilic, microaerophilic, chemosynthetic, thiosulfate-oxidizing bacterium isolated from a shallow-water hydrothermal vent. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012, 62, 3060-3066.	0.8	17
46	Complete genome sequence of <i>Thermovibrio ammonificans</i> HB-1T, a thermophilic, chemolithoautotrophic bacterium isolated from a deep-sea hydrothermal vent. <i>Standards in Genomic Sciences</i> , 2012, 7, 82-90.	1.5	11
47	Factors influencing prokaryotic community structure composition in sub-surface coastal sediments. <i>Estuarine, Coastal and Shelf Science</i> , 2012, 97, 141-148.	0.9	22
48	First step in the restoration of a highly degraded coral reef (Singapore) by in situ coral intensive farming. <i>Aquaculture</i> , 2011, 322-323, 191-200.	1.7	53
49	Draft genome sequence of <i>Caminibacter mediatlanticus</i> strain TB-2T, an epsilonproteobacterium isolated from a deep-sea hydrothermal vent. <i>Standards in Genomic Sciences</i> , 2011, 5, 135-143.	1.5	17
50	Sunscreens Cause Coral Bleaching by Promoting Viral Infections. <i>Environmental Health Perspectives</i> , 2008, 116, 441-447.	2.8	426
51	Aligning biochemistry to the interests of biology students using haloperoxidase to illustrate reactions of environmental and biomedical importance. <i>Biochemistry and Molecular Biology Education</i> , 2005, 33, 293-301.	0.5	6