

Angelina Lo Giudice

List of Publications by Year in descending order

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87
papers

2,408
citations

186265
28
h-index

243625
44
g-index

87
all docs

87
docs citations

87
times ranked

2509
citing authors

#	ARTICLE	IF	CITATIONS
1	Sponge-associated microbial Antarctic communities exhibiting antimicrobial activity against Burkholderia cepacia complex bacteria. Biotechnology Advances, 2012, 30, 272-293.	11.7	112
2	Production and Biotechnological Potential of Extracellular Polymeric Substances from Sponge-Associated Antarctic Bacteria. Applied and Environmental Microbiology, 2018, 84, .	3.1	101
3	The biodegradation efficiency on diesel oil by two psychrotrophic Antarctic marine bacteria during a two-month-long experiment. Marine Pollution Bulletin, 2004, 49, 405-409.	5.0	96
4	Characterization of Antarctic psychrotrophic bacteria with antibacterial activities against terrestrial microorganisms. Journal of Basic Microbiology, 2007, 47, 496-505.	3.3	81
5	Antagonistic interactions between psychrotrophic cultivable bacteria isolated from Antarctic sponges: a preliminary analysis. Research in Microbiology, 2009, 160, 27-37.	2.1	79
6	Biodiversity of cultivable psychrotrophic marine bacteria isolated from Terra Nova Bay (Ross Sea), Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 5	1.8	72
7	Response of bacterial isolates from Antarctic shallow sediments towards heavy metals, antibiotics and polychlorinated biphenyls. Ecotoxicology, 2013, 22, 240-250.	2.4	67
8	Biosurfactant production by Arctic and Antarctic bacteria growing on hydrocarbons. Polar Biology, 2015, 38, 1565-1574.	1.2	67
9	Predominance of <i>Flavobacterium</i> , <i>Pseudomonas</i> , and <i>Polaromonas</i> within the prokaryotic community of freshwater shallow lakes in the northern Victoria Land, East Antarctica. FEMS Microbiology Ecology, 2012, 82, 391-404.	2.7	66
10	Ecology of cold environments: new insights of bacterial metabolic adaptation through an integrated genomic-phenomic approach. Scientific Reports, 2017, 7, 839.	3.3	65
11	Bioactive volatile organic compounds from Antarctic (sponges) bacteria. New Biotechnology, 2013, 30, 824-838.	4.4	62
12	Extracellular polymeric substances with metal adsorption capacity produced by <i>Pseudoalteromonas</i> sp. MER144 from Antarctic seawater. Environmental Science and Pollution Research, 2018, 25, 4667-4677.	5.3	60
13	Marine Bacterioplankton Diversity and Community Composition in an Antarctic Coastal Environment. Microbial Ecology, 2012, 63, 210-223.	2.8	59
14	<i>Bacterium</i> "bacterium inhibitory interactions among psychrotrophic bacteria isolated from Antarctic seawater (Terra Nova Bay, Ross Sea). FEMS Microbiology Ecology, 2007, 60, 383-396.	2.7	55
15	The art of adapting to extreme environments: The model system <i>Pseudoalteromonas</i> . Physics of Life Reviews, 2021, 36, 137-161.	2.8	53
16	Biodegradative potential and characterization of psychrotolerant polychlorinated biphenyl-degrading marine bacteria isolated from a coastal station in the Terra Nova Bay (Ross Sea), Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50 5	1.8	40
17	Metal and antibiotic resistance in psychrotrophic bacteria associated with the Antarctic sponge <i>Hemigellius pilosus</i> (Kirkpatrick, 1907). Polar Biology, 2014, 37, 227-235.	1.2	48
18	C/N ratio-induced structural shift of bacterial communities inside lab-scale aquaculture biofilters. Aquacultural Engineering, 2014, 58, 77-87.	3.1	46

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19	The pangenome of (Antarctic) <i>Pseudoalteromonas</i> bacteria: evolutionary and functional insights. <i>BMC Genomics</i> , 2017, 18, 93.	2.8	46
20	Snow Surface Microbiome on the High Antarctic Plateau (DOME C). <i>PLoS ONE</i> , 2014, 9, e104505.	2.5	45
21	Bacteria associated with sabellids (Polychaeta: Annelida) as a novel source of surface active compounds. <i>Marine Pollution Bulletin</i> , 2013, 70, 125-133.	5.0	43
22	Genomic analysis of three sponge-associated <i>Arthrobacter</i> Antarctic strains, inhibiting the growth of <i>Burkholderia cepacia</i> complex bacteria by synthesizing volatile organic compounds. <i>Microbiological Research</i> , 2014, 169, 593-601.	5.3	38
23	Molecular and physiological characterisation of psychrotrophic hydrocarbon-degrading bacteria isolated from Terra Nova Bay (Antarctica). <i>European Journal of Soil Biology</i> , 2007, 43, 368-379.	3.2	37
24	Enrichment, isolation and biodegradation potential of psychrotolerant polychlorinated-biphenyl degrading bacteria from the Kongsfjorden (Svalbard Islands, High Arctic Norway). <i>Marine Pollution Bulletin</i> , 2017, 114, 849-859.	5.0	36
25	Biochemical and microbial features of shallow marine sediments along the Terra Nova Bay (Ross Sea, Antarctica). <i>Journal of Environmental Microbiology and Biotechnology</i> , 2018, 8, 1-10.	1.8	35
26	Bacteria Associated with Marine Benthic Invertebrates from Polar Environments: Unexplored Frontiers for Biodiscovery?. <i>Diversity</i> , 2018, 10, 80.	1.7	35
27	Effects of microplastics on trophic parameters, abundance and metabolic activities of seawater and fish gut bacteria in mesocosm conditions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30067-30083.	5.3	35
28	Isolation, characterization and optimization of EPSs produced by a cold-adapted <i>Marinobacter</i> isolate from Antarctic seawater. <i>Antarctic Science</i> , 2019, 31, 69-79.	0.9	31
29	Bacterial community structure along the subtidal sandy sediment belt of a high Arctic fjord (Kongsfjorden, Svalbard Islands). <i>Science of the Total Environment</i> , 2018, 619-620, 203-211.	8.0	28
30	Marine Invertebrates: Underexplored Sources of Bacteria Producing Biologically Active Molecules. <i>Diversity</i> , 2018, 10, 52.	1.7	28
31	Microbial Assemblages in Pressurized Antarctic Brine Pockets (Tarn Flat, Northern Victoria Land): A Hotspot of Biodiversity and Activity. <i>Microorganisms</i> , 2019, 7, 333.	3.6	26
32	Morphology and LPS content for the estimation of marine bacterioplankton biomass in the Ionian Sea. <i>Scientia Marina</i> , 2004, 68, 23-31.	0.6	26
33	Prokaryotic Community in Lacustrine Sediments of Byers Peninsula (Livingston Island, Maritime Antarctica). <i>Journal of Environmental Microbiology and Biotechnology</i> , 2018, 8, 1-10.	2.8	25
34	Effects of a Simulated Acute Oil Spillage on Bacterial Communities from Arctic and Antarctic Marine Sediments. <i>Microorganisms</i> , 2019, 7, 632.	3.6	24
35	Bacterial communities versus anthropogenic disturbances in the Antarctic coastal marine environment. <i>Environmental Sustainability</i> , 2019, 2, 297-310.	2.8	23
36	Antarctic sponges from the Terra Nova Bay (Ross Sea) host a diversified bacterial community. <i>Scientific Reports</i> , 2019, 9, 16135.	3.3	23

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37	Diesel oil and PCB-degrading psychrotrophic bacteria isolated from Antarctic seawaters (Terra Nova) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.6	22
38	Phenotypic and genomic characterization of the Antarctic bacterium Gillisia sp. CAL575, a producer of antimicrobial compounds. Extremophiles, 2014, 18, 35-49.	2.3	22
39	Cold-adapted bacteria from a coastal area of the Ross Sea (Terra Nova Bay, Antarctica): linking microbial ecology to biotechnology. Hydrobiologia, 2015, 761, 417-441.	2.0	22
40	First evidence of quorum sensing activity in bacteria associated with Antarctic sponges. Polar Biology, 2018, 41, 1435-1445.	1.2	22
41	Efficiency in hydrocarbon degradation and biosurfactant production by Joostella sp. A8 when grown in pure culture and consortia. Journal of Environmental Sciences, 2018, 67, 115-126.	6.1	22
42	Influence of salinity and temperature on the activity of biosurfactants by polychaete-associated isolates. Environmental Science and Pollution Research, 2014, 21, 2988-3004.	5.3	21
43	Prokaryotic assemblages within permafrost active layer at Edmonson Point (Northern Victoria Land,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	8.8	20
44	Peculiarities of extracellular polymeric substances produced by Antarctic bacteria and their possible applications. Applied Microbiology and Biotechnology, 2020, 104, 2923-2934.	3.6	20
45	Physiological and Molecular Responses to Main Environmental Stressors of Microalgae and Bacteria in Polar Marine Environments. Microorganisms, 2020, 8, 1957.	3.6	18
46	Draft genomes of three Antarctic Psychrobacter strains producing antimicrobial compounds against Burkholderia cepacia complex, opportunistic human pathogens. Marine Genomics, 2014, 13, 37-38.	1.1	17
47	Antimicrobial activity of Pseudoalteromonas strains isolated from the Ross Sea (Antarctica) versus Cystic Fibrosis opportunistic pathogens. Hydrobiologia, 2015, 761, 443-457.	2.0	17
48	Prokaryotic Abundance and Activity in Permafrost of the Northern Victoria Land and Upper Victoria Valley (Antarctica). Microbial Ecology, 2017, 74, 402-415.	2.8	17
49	Bacterial isolates from the Arctic region (Pasvik River, Norway): assessment of biofilm production and antibiotic susceptibility profiles. Environmental Science and Pollution Research, 2018, 25, 1089-1102.	5.3	17
50	Occurrence of the black yeast Hortaea werneckii in the Mediterranean Sea. Extremophiles, 2019, 23, 9-17.	2.3	17
51	Prokaryotic Diversity of the Composting Thermophilic Phase: The Case of Ground Coffee Compost. Microorganisms, 2021, 9, 218.	3.6	17
52	Biosurfactant production by hydrocarbon-degrading <i>Brevibacterium</i> and <i>Vibrio</i> isolates from the sea pen <i>Pteroeides spinosum</i> (Ellis, 1764). Journal of Basic Microbiology, 2016, 56, 963-974.	3.3	16
53	Effect of the natural arsenic gradient on the diversity and arsenic resistance of bacterial communities of the sediments of Camarones River (Atacama Desert, Chile). PLoS ONE, 2018, 13, e0195080.	2.5	16
54	Diesel oil and PCB-degrading psychrotrophic bacteria isolated from Antarctic seawaters (Terra Nova) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.6	14

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55	Biosurfactant activity, heavy metal tolerance and characterization of <i>Joostella</i> strain A8 from the Mediterranean polychaete <i>Megalomma claparedei</i> (Gravier, 1906). <i>Ecotoxicology</i> , 2015, 24, 1294-1304.	2.4	14
56	Exploring the Diversity and Metabolic Profiles of Bacterial Communities Associated With Antarctic Sponges (Terra Nova Bay, Ross Sea). <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	14
57	Cultivable Bacterial Communities in Brines from Perennially Ice-Covered and Pristine Antarctic Lakes: Ecological and Biotechnological Implications. <i>Microorganisms</i> , 2020, 8, 819.	3.6	14
58	Draft Genome Sequence of the Volatile Organic Compound-Producing Antarctic Bacterium <i>Arthrobacter</i> sp. Strain TB23, Able To Inhibit Cystic Fibrosis Pathogens Belonging to the <i>Burkholderia cepacia</i> Complex. <i>Journal of Bacteriology</i> , 2012, 194, 6334-6335.	2.2	13
59	Cell size and other phenotypic traits of prokaryotic cells in pelagic areas of the Ross Sea (Antarctica). <i>Hydrobiologia</i> , 2015, 761, 181-194.	2.0	13
60	Genome-scale phylogenetic and DNA composition analyses of Antarctic <i>Pseudoalteromonas</i> bacteria reveal inconsistencies in current taxonomic affiliation. <i>Hydrobiologia</i> , 2015, 761, 85-95.	2.0	13
61	Antimicrobial Potential of Cold-Adapted Bacteria and Fungi from Polar Regions. <i>Grand Challenges in Biology and Biotechnology</i> , 2016, , 83-115.	2.4	13
62	Prokaryotic assemblages in the maritime Antarctic Lake Limnopolar (Byers Peninsula, South Shetland) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	2.5	12
63	Intestinal bacterial flora of Mediterranean gilthead sea bream (<i>Sparus aurata</i> Linnaeus) as a novel source of natural surface active compounds. <i>Aquaculture Research</i> , 2018, 49, 1262-1273.	1.8	12
64	Antibiofilm Activity of Antarctic Sponge-Associated Bacteria against <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> . <i>Journal of Marine Science and Engineering</i> , 2021, 9, 243.	2.6	12
65	Heavy metal tolerance and polychlorinated biphenyl oxidation in bacterial communities inhabiting the Pasvik River and the Varanger Fjord area (Arctic Norway). <i>Marine Pollution Bulletin</i> , 2019, 141, 535-549.	5.0	10
66	Heavy-metal resistant microorganisms in sediments from submarine canyons and the adjacent continental slope in the northeastern Ligurian margin (Western Mediterranean Sea). <i>Progress in Oceanography</i> , 2018, 168, 155-168.	3.2	9
67	Bacterial Diversity in a Dynamic and Extreme Sub-Arctic Watercourse (Pasvik River, Norwegian Arctic). <i>Water (Switzerland)</i> , 2020, 12, 3098.	2.7	9
68	The Variety and Inscrutability of Polar Environments as a Resource of Biotechnologically Relevant Molecules. <i>Microorganisms</i> , 2020, 8, 1422.	3.6	9
69	Effects of Heavy Ion Particle Irradiation on Spore Germination of <i>Bacillus</i> spp. from Extremely Hot and Cold Environments. <i>Life</i> , 2020, 10, 264.	2.4	8
70	Prokaryotic Diversity and Metabolically Active Communities in Brines from Two Perennially Ice-Covered Antarctic Lakes. <i>Astrobiology</i> , 2021, 21, 551-565.	3.0	8
71	Metal Resistance in Bacteria from Contaminated Arctic Sediment is Driven by Metal Local Inputs. <i>Archives of Environmental Contamination and Toxicology</i> , 2019, 77, 291-307.	4.1	7
72	Prokaryotic Dynamics in the Meromictic Coastal Lake Faro (Sicily, Italy). <i>Diversity</i> , 2019, 11, 37.	1.7	7

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73	Biosurfactants from Marine Microorganisms. , 0, , .		7
74	The demosponge <i>Halichondria (Halichondria) panicea</i> (Pallas, 1766) as a novel source of biosurfactant-producing bacteria. <i>Journal of Basic Microbiology</i> , 2018, 58, 532-542.	3.3	6
75	Culture Collections as Hidden Sources of Microbial Biomolecules and Biodiversity. <i>Diversity</i> , 2020, 12, 264.	1.7	6
76	Exploring Mediterranean and Arctic Environments as a Novel Source of Bacteria Producing Antibacterial Compounds to be Applied in Aquaculture. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4006.	2.5	6
77	Characterization of culturable <i>Paenibacillus</i> spp. from the snow surface on the high Antarctic Plateau (DOME C) and their dissemination in the Concordia research station. <i>Extremophiles</i> , 2013, 17, 565-573.	2.3	5
78	First Insights into the Microbiology of Three Antarctic Briny Systems of the Northern Victoria Land. <i>Diversity</i> , 2021, 13, 323.	1.7	5
79	Diversity and Ecological Roles of Prokaryotes in the Changing Antarctic Marine Environment. <i>Springer Polar Sciences</i> , 2019, , 109-131.	0.1	4
80	Native bilge water bacteria as biosurfactant producers and implications in hydrocarbon-enriched wastewater treatment. <i>Journal of Water Process Engineering</i> , 2021, 43, 102271.	5.6	4
81	A Special Issue on Microorganisms from Extreme Environments in Memory of Luigi Michaud (1974-2014). <i>Diversity</i> , 2020, 12, 2.	1.7	3
82	Isolation and Identification of Bacteria with Surface and Antibacterial Activity from the Gut of Mediterranean Grey Mullet. <i>Microorganisms</i> , 2021, 9, 2555.	3.6	2
83	Ice Melt-Induced Variations of Structural and Functional Traits of the Aquatic Microbial Community along an Arctic River (Pasvik River, Norway). <i>Water (Switzerland)</i> , 2021, 13, 2297.	2.7	1
84	A First Glimpse on Cold-Adapted PCB-Oxidizing Bacteria in Edmonson Point Lakes (Northern Victoria) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	2.7	1
85	Life from a Snowflake: Diversity and Adaptation of Cold-Loving Bacteria among Ice Crystals. <i>Crystals</i> , 2022, 12, 312.	2.2	1
86	Antarctic Porifera homogenates as a source of enzymes and antibacterial substances: first results. <i>Polar Biology</i> , 2022, 45, 895-907.	1.2	1
87	Benthic Microbial Communities in a Seasonally Ice-Covered Sub-Arctic River (Pasvik River, Norway) Are Shaped by Site-Specific Environmental Conditions. <i>Microorganisms</i> , 2022, 10, 1022.	3.6	0