

Massimiliano Cardinale

List of Publications by Year in descending order

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72
papers

5,116
citations

101543

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102487

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docs citations

74
times ranked

5851
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated Atmospheric CO2 Modifies Mostly the Metabolic Active Rhizosphere Soil Microbiome in the Giessen FACE Experiment. <i>Microbial Ecology</i> , 2022, 83, 619-634.	2.8	9
2	Rhizosphere root system changes exopolysaccharide content but stabilizes bacterial community across contrasting seasons in a desert environment. <i>Environmental Microbiomes</i> , 2022, 17, 14.	5.0	13
3	Vineyard establishment under exacerbated summer stress: effects of mycorrhization on rootstock agronomical parameters, leaf element composition and root-associated bacterial microbiota. <i>Plant and Soil</i> , 2022, 478, 613-634.	3.7	3
4	Bacterial Species Associated with Highly Allergenic Plant Pollen Yield a High Level of Endotoxins and Induce Chemokine and Cytokine Release from Human A549 Cells. <i>Inflammation</i> , 2022, 45, 2186-2201.	3.8	6
5	Plant growth promoting potential of bacterial endophytes from three terrestrial mediterranean orchid species. <i>Plant Biosystems</i> , 2021, 155, 1153-1164.	1.6	11
6	The endophytic microbiota of Citrus limon is transmitted from seed to shoot highlighting differences of bacterial and fungal community structures. <i>Scientific Reports</i> , 2021, 11, 7078.	3.3	22
7	The cypselas (achenes) of Echinacea purpurea as a diffusion unit of a community of microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2951-2965.	3.6	3
8	Domestication affects the composition, diversity, and co-occurrence of the cereal seed microbiota. <i>Journal of Advanced Research</i> , 2021, 31, 75-86.	9.5	65
9	Dynamics of the Fermentation Process and Chemical Profiling of Pomegranate (Punica granatum L.) Wines Obtained by Different Cultivar–Yeast Combinations. <i>Foods</i> , 2021, 10, 1913.	4.3	3
10	The effect of plant domestication on host control of the microbiota. <i>Communications Biology</i> , 2021, 4, 936.	4.4	31
11	Domestication Impacts the Wheat-Associated Microbiota and the Rhizosphere Colonization by Seed- and Soil-Originated Microbiomes, Across Different Fields. <i>Frontiers in Plant Science</i> , 2021, 12, 806915.	3.6	16
12	The Xylella fastidiosa-Resistant Olive Cultivar ‘Leccino’ Has Stable Endophytic Microbiota during the Olive Quick Decline Syndrome (OQDS). <i>Pathogens</i> , 2020, 9, 35.	2.8	39
13	Complementary Dynamics of Banana Root Colonization by the Plant Growth-Promoting Rhizobacteria Bacillus amyloliquefaciens Bs006 and Pseudomonas palleroniana Ps006 at Spatial and Temporal Scales. <i>Microbial Ecology</i> , 2020, 80, 656-668.	2.8	10
14	Biological nitrification inhibition in the rhizosphere: determining interactions and impact on microbially mediated processes and potential applications. <i>FEMS Microbiology Reviews</i> , 2020, 44, 874-908.	8.6	73
15	The Response of the Soil Microbiota to Long-Term Mineral and Organic Nitrogen Fertilization is Stronger in the Bulk Soil than in the Rhizosphere. <i>Genes</i> , 2020, 11, 456.	2.4	14
16	Diversity and Structure of the Endophytic Bacterial Communities Associated With Three Terrestrial Orchid Species as Revealed by 16S rRNA Gene Metabarcoding. <i>Frontiers in Microbiology</i> , 2020, 11, 604964.	3.5	24
17	Bacterial endophytes of mangrove propagules elicit early establishment of the natural host and promote growth of cereal crops under salt stress. <i>Microbiological Research</i> , 2019, 223-225, 33-43.	5.3	87
18	Screening, plant growth promotion and root colonization pattern of two rhizobacteria (Pseudomonas fluorescens Ps006 and Bacillus amyloliquefaciens Bs006) on banana cv. Williams (Musa) Tj ETQq0 03rgBT / Overlock 10		

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19	Effect of Different Soil Phosphate Sources on the Active Bacterial Microbiota Is Greater in the Rhizosphere than in the Endorhiza of Barley (<i>Hordeum vulgare</i> L.). <i>Microbial Ecology</i> , 2019, 77, 689-700.	2.8	14
20	Microbiome Dynamics Associated With the Atacama Flowering Desert. <i>Frontiers in Microbiology</i> , 2019, 10, 3160.	3.5	29
21	Consistent associations with beneficial bacteria in the seed endosphere of barley (<i>Hordeum vulgare</i>) Tj ETQq1 1 0.784314 rgBT /Over	2.8	72
22	The seed endosphere of <i>Anadenanthera colubrina</i> is inhabited by a complex microbiota, including <i>Methylobacterium</i> spp. and <i>Staphylococcus</i> spp. with potential plant-growth promoting activities. <i>Plant and Soil</i> , 2018, 422, 81-99.	3.7	44
23	Specific Fluorescence in Situ Hybridization (FISH) Test to Highlight Colonization of Xylem Vessels by <i>Xylella fastidiosa</i> in Naturally Infected Olive Trees (<i>Olea europaea</i> L.). <i>Frontiers in Plant Science</i> , 2018, 9, 431.	3.6	47
24	Diversity, specificity, co-occurrence and hub taxa of the bacterial-fungal pollen microbiome. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	68
25	<i>Spirosoma pollinicola</i> sp. nov., isolated from pollen of common hazel (<i>Corylus avellana</i> L.). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3248-3254.	1.7	10
26	Microbiome analysis and confocal microscopy of used kitchen sponges reveal massive colonization by <i>Acinetobacter</i> , <i>Moraxella</i> and <i>Chryseobacterium</i> species. <i>Scientific Reports</i> , 2017, 7, 5791.	3.3	41
27	Bacterial microbiota associated with flower pollen is influenced by pollination type, and shows a high degree of diversity and species-specificity. <i>Environmental Microbiology</i> , 2016, 18, 5161-5174.	3.8	132
28	Biotic Stress Shifted Structure and Abundance of Enterobacteriaceae in the Lettuce Microbiome. <i>PLoS ONE</i> , 2015, 10, e0118068.	2.5	51
29	Plant growth-promoting effects of <i>Hartmannibacter diazotrophicus</i> on summer barley (<i>Hordeum</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	4.3	95
30	Rhizobiales as functional and endosymbiotic members in the lichen symbiosis of <i>Lobaria pulmonaria</i> L.. <i>Frontiers in Microbiology</i> , 2015, 6, 53.	3.5	196
31	Visualization of Plant-Microbe Interactions. , 2015, , 299-306.		8
32	Paradox of plant growth promotion potential of rhizobacteria and their actual promotion effect on growth of barley (<i>Hordeum vulgare</i> L.) under salt stress. <i>Microbiological Research</i> , 2015, 181, 22-32.	5.3	134
33	Bacterial networks and co-occurrence relationships in the lettuce root microbiota. <i>Environmental Microbiology</i> , 2015, 17, 239-252.	3.8	241
34	Scanning a microhabitat: plant-microbe interactions revealed by confocal laser microscopy. <i>Frontiers in Microbiology</i> , 2014, 5, 94.	3.5	63
35	The impact of the pathogen <i>Rhizoctonia solani</i> and its beneficial counterpart <i>Bacillus amyloliquefaciens</i> on the indigenous lettuce microbiome. <i>Frontiers in Microbiology</i> , 2014, 5, 175.	3.5	141
36	Microbial cargo: do bacteria on symbiotic propagules reinforce the microbiome of lichens?. <i>Environmental Microbiology</i> , 2014, 16, 3743-3752.	3.8	78

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37	Effects of sample handling and cultivation bias on the specificity of bacterial communities in keratose marine sponges. <i>Frontiers in Microbiology</i> , 2014, 5, 611.	3.5	39
38	Endophytic bacteria of Sphagnum mosses as promising objects of agricultural microbiology. <i>Microbiology</i> , 2013, 82, 306-315.	1.2	59
39	Activated zeoliteâ€™ suitable carriers for microorganisms in anaerobic digestion processes?. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3225-3238.	3.6	24
40	<i>Bacillus</i> and <i>Streptomyces</i> were selected as broad-spectrum antagonists against soilborne pathogens from arid areas in Egypt. <i>FEMS Microbiology Letters</i> , 2013, 342, 168-178.	1.8	104
41	Shaking and stirring: Comparison of controlled laboratory stress conditions applied to the human growth hormone. <i>Process Biochemistry</i> , 2013, 48, 33-40.	3.7	20
42	The DSF Quorum Sensing System Controls the Positive Influence of <i>Stenotrophomonas maltophilia</i> on Plants. <i>PLoS ONE</i> , 2013, 8, e67103.	2.5	51
43	Vertical transmission explains the specific <i>Burkholderia</i> pattern in Sphagnum mosses at multi-geographic scale. <i>Frontiers in Microbiology</i> , 2013, 4, 394.	3.5	43
44	A new textile-based approach to assess the antimicrobial activity of volatiles. <i>Textile Reseach Journal</i> , 2012, 82, 484-491.	2.2	5
45	17 Bacteria and the Lichen Symbiosis. , 2012, , 363-372.		10
46	Non-toxic sonochemical synthesis of surface functionalized human serum albumin nanocapsules for targeted drug delivery. <i>New Biotechnology</i> , 2012, 29, S228.	4.4	0
47	Clinoptilolite â€™ a probiotic mineral for eupeptic biogas production plants. <i>New Biotechnology</i> , 2012, 29, S189-S190.	4.4	0
48	<i>Sphagnum</i> mosses harbour highly specific bacterial diversity during their whole lifecycle. <i>ISME Journal</i> , 2012, 6, 802-813.	9.8	161
49	Bamboo fibre processing: insights into hemicellulase and cellulase substrate accessibility. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 27-37.	2.0	15
50	<i>Stenotrophomonas rhizophila</i> DSM14405T promotes plant growth probably by altering fungal communities in the rhizosphere. <i>Biology and Fertility of Soils</i> , 2012, 48, 947-960.	4.3	72
51	Bacterial taxa associated with the lung lichen <i>Lobaria pulmonaria</i> are differentially shaped by geography and habitat. <i>FEMS Microbiology Letters</i> , 2012, 329, 111-115.	1.8	56
52	Folic acid-functionalized human serum albumin nanocapsules for targeted drug delivery to chronically activated macrophages. <i>International Journal of Pharmaceutics</i> , 2012, 427, 460-466.	5.2	77
53	Age, sun and substrate: triggers of bacterial communities in lichens. <i>Environmental Microbiology Reports</i> , 2012, 4, 23-28.	2.4	74
54	Patterned Immobilization of a Luminescent Ru(II) Complex in Polymer Films Using the Photoreaction of Benzyl thiocyanate: Toward Color Emission Tuning of Electroluminescent Devices. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 367-373.	2.2	3

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55	Photosensitive polymers bearing fully aromatic esters for multilayer data storage devices. <i>Journal of Materials Chemistry</i> , 2011, 21, 2965.	6.7	16
56	<i>Fron dih abitans cladoniiphilus</i> sp. nov., an actinobacterium of the family Microbacteriaceae isolated from lichen, and emended description of the genus <i>Fron dih abitans</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 3033-3038.	1.7	37
57	Analysis of the endophytic lifestyle and plant growth promotion of <i>Burkholderia terricola</i> ZR2-12. <i>Plant and Soil</i> , 2011, 347, 125-136.	3.7	32
58	Structure and function of the symbiosis partners of the lung lichen (<i>Lobaria pulmonaria</i> L.)	2.2	165
59	Ecology and Human Pathogenicity of Plant-Associated Bacteria. , 2011, , 175-189.		12
60	Culturable bacteria associated with Antarctic lichens: affiliation and psychrotolerance. <i>Polar Biology</i> , 2010, 33, 71-83.	1.2	89
61	Strain-specific colonization pattern of <i>Rhizoctonia</i> antagonists in the root system of sugar beet. <i>FEMS Microbiology Ecology</i> , 2010, 74, 124-135.	2.7	78
62	Monitoring the plant epiphyte <i>Methylobacterium extorquens</i> DSM 21961 by real-time PCR and its influence on the strawberry flavor. <i>FEMS Microbiology Ecology</i> , 2010, 74, 136-145.	2.7	86
63	Innovative Concepts for Personnel Locks in Clean Room Technology. <i>Scientia Pharmaceutica</i> , 2010, 78, 710-710.	2.0	0
64	Rehabilitation of Mediterranean anthropogenic soils using symbiotic wild legume shrubs: Plant establishment and impact on the soil bacterial community structure. <i>Applied Soil Ecology</i> , 2010, 46, 1-8.	4.3	16
65	Species-specific structural and functional diversity of bacterial communities in lichen symbioses. <i>ISME Journal</i> , 2009, 3, 1105-1115.	9.8	303
66	The versatility and adaptation of bacteria from the genus <i>Stenotrophomonas</i> . <i>Nature Reviews Microbiology</i> , 2009, 7, 514-525.	28.6	641
67	Diversity of rhizobia nodulating wild shrubs of Sicily and some neighbouring islands. <i>Archives of Microbiology</i> , 2008, 190, 461-470.	2.2	35
68	In situ analysis of the bacterial community associated with the reindeer lichen <i>Cladonia arbuscula</i> reveals predominance of Alphaproteobacteria. <i>FEMS Microbiology Ecology</i> , 2008, 66, 63-71.	2.7	203
69	Molecular analysis of lichen-associated bacterial communities. <i>FEMS Microbiology Ecology</i> , 2006, 57, 484-495.	2.7	141
70	Comparison of Different Primer Sets for Use in Automated Ribosomal Intergenic Spacer Analysis of Complex Bacterial Communities. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6147-6156.	3.1	437
71	<i>Bradyrhizobium</i> sp. nodulating the Mediterranean shrub Spanish broom (<i>Spartium junceum</i> L.). <i>Journal of Applied Microbiology</i> , 2002, 92, 13-21.	3.1	21
72	Biocontrol of <i>Botrytis cinerea</i> by successful introduction of <i>Pantoea ananatis</i> in the grapevine phyllosphere. <i>International Journal of Wine Research</i> , 0, , 53.	0.5	10