

Massimiliano Cardinale

List of Publications by Year in descending order

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72
papers

5,116
citations

101543

36
h-index

102487

66
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74
all docs

74
docs citations

74
times ranked

5851
citing authors

#	ARTICLE	IF	CITATIONS
1	The versatility and adaptation of bacteria from the genus <i>Stenotrophomonas</i> . <i>Nature Reviews Microbiology</i> , 2009, 7, 514-525.	28.6	641
2	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
3	Species-specific structural and functional diversity of bacterial communities in lichen symbioses. <i>ISME Journal</i> , 2009, 3, 1105-1115.	9.8	303
4	Bacterial networks and co-occurrence relationships in the lettuce root microbiota. <i>Environmental Microbiology</i> , 2015, 17, 239-252.	3.8	241
5	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
6	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
7	Structure and function of the symbiosis partners of the lung lichen (<i>Lobaria pulmonaria</i> L.) Tj ETQq1 1 0.784314 rgBT /Overlock 165	2.2	165
8	<i>Sphagnum</i> mosses harbour highly specific bacterial diversity during their whole lifecycle. <i>ISME Journal</i> , 2012, 6, 802-813.	9.8	161
9	Molecular analysis of lichen-associated bacterial communities. <i>FEMS Microbiology Ecology</i> , 2006, 57, 484-495.	2.7	141
10	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
11	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
12	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
13	<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
14	Plant growth-promoting effects of <i>Hartmannibacter diazotrophicus</i> on summer barley (<i>Hordeum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.3	95
15	Culturable bacteria associated with Antarctic lichens: affiliation and psychrotolerance. <i>Polar Biology</i> , 2010, 33, 71-83.	1.2	89
16	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
17	Monitoring the plant epiphyte <i>Methylobacterium extorquens</i> fDSM 21961 by real-time PCR and its influence on the strawberry flavor. <i>FEMS Microbiology Ecology</i> , 2010, 74, 136-145.	2.7	86
18	Screening, plant growth promotion and root colonization pattern of two rhizobacteria (<i>Pseudomonas fluorescens</i> Ps006 and <i>Bacillus amyloliquefaciens</i> Bs006) on banana cv. Williams (Musa) Tj ETQq0 0 0 rgBT /Overlock 10	5.3	79

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19	Strain-specific colonization pattern of Rhizoctonia antagonists in the root system of sugar beet. FEMS Microbiology Ecology, 2010, 74, 124-135.	2.7	78
20	Microbial cargo: do bacteria on symbiotic propagules reinforce the microbiome of lichens?. Environmental Microbiology, 2014, 16, 3743-3752.	3.8	78
21	Folic acid-functionalized human serum albumin nanocapsules for targeted drug delivery to chronically activated macrophages. International Journal of Pharmaceutics, 2012, 427, 460-466.	5.2	77
22	Age, sun and substrate: triggers of bacterial communities in lichens. Environmental Microbiology Reports, 2012, 4, 23-28.	2.4	74
23	Biological nitrification inhibition in the rhizosphere: determining interactions and impact on microbially mediated processes and potential applications. FEMS Microbiology Reviews, 2020, 44, 874-908.	8.6	73
24	Stenotrophomonas rhizophila DSM14405T promotes plant growth probably by altering fungal communities in the rhizosphere. Biology and Fertility of Soils, 2012, 48, 947-960.	4.3	72
25	Consistent associations with beneficial bacteria in the seed endosphere of barley (Hordeum vulgare) Tj ETQq1 1 0.784314 rgBT /Over 2.8 72		
26	Diversity, specificity, co-occurrence and hub taxa of the bacterial-fungal pollen microbiome. FEMS Microbiology Ecology, 2018, 94, .	2.7	68
27	Domestication affects the composition, diversity, and co-occurrence of the cereal seed microbiota. Journal of Advanced Research, 2021, 31, 75-86.	9.5	65
28	Scanning a microhabitat: plant-microbe interactions revealed by confocal laser microscopy. Frontiers in Microbiology, 2014, 5, 94.	3.5	63
29	Endophytic bacteria of Sphagnum mosses as promising objects of agricultural microbiology. Microbiology, 2013, 82, 306-315.	1.2	59
30	Bacterial taxa associated with the lung lichen Lobaria pulmonaria are differentially shaped by geography and habitat. FEMS Microbiology Letters, 2012, 329, 111-115.	1.8	56
31	The DSF Quorum Sensing System Controls the Positive Influence of Stenotrophomonas maltophilia on Plants. PLoS ONE, 2013, 8, e67103.	2.5	51
32	Biotic Stress Shifted Structure and Abundance of Enterobacteriaceae in the Lettuce Microbiome. PLoS ONE, 2015, 10, e0118068.	2.5	51
33	Specific Fluorescence in Situ Hybridization (FISH) Test to Highlight Colonization of Xylem Vessels by Xylella fastidiosa in Naturally Infected Olive Trees (Olea europaea L.). Frontiers in Plant Science, 2018, 9, 431.	3.6	47
34	The seed endosphere of Anadenanthera colubrina is inhabited by a complex microbiota, including Methylobacterium spp. and Staphylococcus spp. with potential plant-growth promoting activities. Plant and Soil, 2018, 422, 81-99.	3.7	44
35	Vertical transmission explains the specific Burkholderia pattern in Sphagnum mosses at multi-geographic scale. Frontiers in Microbiology, 2013, 4, 394.	3.5	43
36	Microbiome analysis and confocal microscopy of used kitchen sponges reveal massive colonization by Acinetobacter, Moraxella and Chryseobacterium species. Scientific Reports, 2017, 7, 5791.	3.3	41

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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	The <i>Xylella fastidiosa</i> -Resistant Olive Cultivar ‘Leccino’ Has Stable Endophytic Microbiota during the Olive Quick Decline Syndrome (OQDS). <i>Pathogens</i> , 2020, 9, 35.	2.8	39
39	<i>Fronidhabitans cladoniiphilus</i> sp. nov., an actinobacterium of the family Microbacteriaceae isolated from lichen, and emended description of the genus <i>Fronidhabitans</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 3033-3038.	1.7	37
40	Diversity of rhizobia nodulating wild shrubs of Sicily and some neighbouring islands. <i>Archives of Microbiology</i> , 2008, 190, 461-470.	2.2	35
41	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
42	The effect of plant domestication on host control of the microbiota. <i>Communications Biology</i> , 2021, 4, 936.	4.4	31
43	Microbiome Dynamics Associated With the Atacama Flowering Desert. <i>Frontiers in Microbiology</i> , 2019, 10, 3160.	3.5	29
44	Activated zeolite ‘suitable carriers for microorganisms in anaerobic digestion processes?. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 3225-3238.	3.6	24
45	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
46	The endophytic microbiota of <i>Citrus limon</i> is transmitted from seed to shoot highlighting differences of bacterial and fungal community structures. <i>Scientific Reports</i> , 2021, 11, 7078.	3.3	22
47	<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
48	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
49	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
50	Photosensitive polymers bearing fully aromatic esters for multilayer data storage devices. <i>Journal of Materials Chemistry</i> , 2011, 21, 2965.	6.7	16
51	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
52	Bamboo fibre processing: insights into hemicellulase and cellulase substrate accessibility. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 27-37.	2.0	15
53	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
54	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

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55	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
56	Ecology and Human Pathogenicity of Plant-Associated Bacteria. , 2011, , 175-189.		12
57	Plant growth promoting potential of bacterial endophytes from three terrestrial mediterranean orchid species. <i>Plant Biosystems</i> , 2021, 155, 1153-1164.	1.6	11
58	17 Bacteria and the Lichen Symbiosis. , 2012, , 363-372.		10
59	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
60	Complementary Dynamics of Banana Root Colonization by the Plant Growth-Promoting Rhizobacteria <i>Bacillus amyloliquefaciens</i> Bs006 and <i>Pseudomonas palleroniana</i> Ps006 at Spatial and Temporal Scales. <i>Microbial Ecology</i> , 2020, 80, 656-668.	2.8	10
61	<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
62	Elevated Atmospheric CO ₂ Modifies Mostly the Metabolic Active Rhizosphere Soil Microbiome in the Giessen FACE Experiment. <i>Microbial Ecology</i> , 2022, 83, 619-634.	2.8	9
63	Visualization of Plant-Microbe Interactions. , 2015, , 299-306.		8
64	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
65	A new textile-based approach to assess the antimicrobial activity of volatiles. <i>Textile Research Journal</i> , 2012, 82, 484-491.	2.2	5
66	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
67	The cypsela (achene) of <i>Echinacea purpurea</i> as a diffusion unit of a community of microorganisms. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 2951-2965.	3.6	3
68	Dynamics of the Fermentation Process and Chemical Profiling of Pomegranate (<i>Punica granatum</i> L.) Wines Obtained by Different Cultivar–Yeast Combinations. <i>Foods</i> , 2021, 10, 1913.	4.3	3
69	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
70	Innovative Concepts for Personnel Locks in Clean Room Technology. <i>Scientia Pharmaceutica</i> , 2010, 78, 710-710.	2.0	0
71	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
72	Clinoptilolite – a probiotic mineral for eupeptic biogas production plants. <i>New Biotechnology</i> , 2012, 29, S189-S190.	4.4	0