Luciane Maria Pereira Passaglia

List of Publications by Year
in descending order

73 papers	2,803 citations	279798 23 h-index	189892 50 g-index
73 all docs	73 docs citations	73 times ranked	3181 citing authors

#	Article	IF	Citations
1	Plant growth-promoting bacteria as inoculants in agricultural soils. Genetics and Molecular Biology, 2015, 38, 401-419.	1.3	742
2	Screening of plant growth promoting Rhizobacteria isolated from sunflower (Helianthus annuus L.). Plant and Soil, 2012, 356, 245-264.	3.7	131
3	The effect of plant growth-promoting rhizobacteria on the growth of rice (Oryza sativa L.) cropped in southern Brazilian fields. Plant and Soil, 2013, 366, 585-603.	3.7	129
4	Ecological role of bacterial inoculants and their potential impact on soil microbial diversity. Plant and Soil, 2016, 400, 193-207.	3.7	124
5	Evaluation of biological control and rhizosphere competence of plant growth promoting bacteria. Applied Soil Ecology, 2016, 99, 141-149.	4.3	117
6	Genetic and phenotypic diversity of plant-growth-promoting bacilli isolated from wheat fields in southern Brazil. Research in Microbiology, 2008, 159, 244-250.	2.1	93
7	Paenibacillus riograndensis sp. nov., a nitrogen-fixing species isolated from the rhizosphere of Triticum aestivum. International Journal of Systematic and Evolutionary Microbiology, 2010, 60, 128-133.	1.7	74
8	Detection of misidentifications of species from the Burkholderia cepacia complex and description of a new member, the soil bacterium Burkholderia catarinensis sp. nov.. Pathogens and Disease, 2017, 75, .	2.0	70
9	Characterization of plant growth-promoting bacteria associated with rice cropped in iron-stressed soils. Annals of Microbiology, 2015, 65, 951-964.	2.6	65
10	Genomic metrics made easy: what to do and where to go in the new era of bacterial taxonomy. Critical Reviews in Microbiology, 2019, 45, 182-200.	6.1	65
11	The effects of different fertilization conditions on bacterial plant growth promoting traits: guidelines for directed bacterial prospection and testing. Plant and Soil, 2013, 368, 267-280.	3.7	64
12	Changes in Root Bacterial Communities Associated to Two Different Development Stages of Canola (Brassica napus L. var oleifera) Evaluated through Next-Generation Sequencing Technology. Microbial Ecology, 2013, 65, 593-601.	2.8	62
13	Phylogeny and Phylogeography of Rhizobial Symbionts Nodulating Legumes of the Tribe Genisteae. Genes, 2018, 9, 163.	2.4	62
14	A Model to Explain Plant Growth Promotion Traits: A Multivariate Analysis of 2,211 Bacterial Isolates. PLoS ONE, 2014, 9, e116020.	2.5	61
15	Use of Mineral Weathering Bacteria to Enhance Nutrient Availability in Crops: A Review. Frontiers in Plant Science, 2020, 11, 590774.	3.6	49
16	Is Phosphate Solubilization the Forgotten Child of Plant Growth-Promoting Rhizobacteria?. Frontiers in Microbiology, 2018, 9, 2054.	3.5	44
17	Genomic Metrics Applied to Rhizobiales (Hyphomicrobiales): Species Reclassification, Identification of Unauthentic Genomes and False Type Strains. Frontiers in Microbiology, 2021, 12, 614957.	3.5	38
18	Diazotrophic bacilli isolated from the sunflower rhizosphere and the potential ofBacillus mycoidesB38V as biofertiliser. Annals of Applied Biology, 2016, 168, 93-110.	2.5	37

#	Article	IF	Citations
19	Multilocus sequence analysis reveals taxonomic differences among Bradyrhizobium sp. symbionts of Lupinus albescens plants growing in arenized and non-arenized areas. Systematic and Applied Microbiology, 2015, 38, 323-329.	2.8	29
20	Inorganic Phosphate Solubilization by Rhizosphere Bacterium Paenibacillus sonchi: Gene Expression and Physiological Functions. Frontiers in Microbiology, 2020, 11, 588605.	3.5	29
21	Occurrence of plant growth-promoting traits in clover-nodulating rhizobia strains isolated from different soils in Rio Grande do Sul state. Revista Brasileira De Ciencia Do Solo, 2009, 33, 1227-1235.	1.3	28
22	Reclassification of Paenibacillus riograndensis as a Genomovar of Paenibacillus sonchi: Genome-Based Metrics Improve Bacterial Taxonomic Classification. Frontiers in Microbiology, 2017, 8, 1849.	3.5	27
23	Reclassification of Ochrobactrum lupini as a later heterotypic synonym of Ochrobactrum anthropi based on whole-genome sequence analysis. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2312-2314.	1.7	25
24	Alternative nitrogenase and pseudogenes: unique features of the Paenibacillus riograndensis nitrogen fixation system. Research in Microbiology, 2014, 165, 571-580.	2.1	24
25	Rhizobium strains in the biological control of the phytopathogenic fungi Sclerotium (Athelia) rolfsii on the common bean. Plant and Soil, 2018, 432, 229-243.	3.7	24
26	Isolation and characterization of two plant growth-promoting bacteria from the rhizoplane of a legume (Lupinus albescens) in sandy soil. Revista Brasileira De Ciencia Do Solo, 2010, 34, 361-369.	1.3	23
27	Genetic variability of soybean bradyrhizobia populations under different soil managements. Biology and Fertility of Soils, 2011, 47, 357-362.	4.3	23
28	Cultivable bacteria isolated from apple trees cultivated under different crop systems: Diversity and antagonistic activity against Colletotrichum gloeosporioides. Genetics and Molecular Biology, 2014, 37, 560-572.	1.3	23
29	Plant Growthâ€"Promoting Bacteria (PGPB): Isolation and Screening of PGP Activities. Current Protocols in Plant Biology, 2017, 2, 190-209.	2.8	23
30	Comparison among bacterial communities present in arenized and adjacent areas subjected to different soil management regimes. Plant and Soil, 2013, 373, 339-358.	3.7	22
31	A new cold-adapted serine peptidase from Antarctic Lysobacter sp. A03: Insights about enzyme activity at low temperatures. International Journal of Biological Macromolecules, 2017, 103, 854-862.	7.5	22
32	Comparative metagenomics reveals different hydrocarbon degradative abilities from enriched oil-drilling waste. Chemosphere, 2018, 209, 7-16.	8.2	22
33	The Electron Transfer Flavoprotein fixABCX Gene Products from Azospirillum brasilense Show a NifA-Dependent Promoter Regulation. Current Microbiology, 2004, 49, 267-273.	2.2	21
34	Antifungal potential against Sclerotinia sclerotiorum (Lib.) de Bary and plant growth promoting abilities of Bacillus isolates from canola (Brassica napus L.) roots. Microbiological Research, 2021, 248, 126754.	5.3	21
35	Proposal of Carbonactinosporaceae fam. nov. within the class Actinomycetia. Reclassification of Streptomyces thermoautotrophicus as Carbonactinospora thermoautotrophica gen. nov., comb. nov. Systematic and Applied Microbiology, 2021, 44, 126223.	2.8	20
36	Pangenome analyses of Bacillus pumilus, Bacillus safensis, and Priestia megaterium exploring the plant-associated features of bacilli strains isolated from canola. Molecular Genetics and Genomics, 2022, 297, 1063-1079.	2.1	19

#	Article	IF	Citations
37	Functional abilities of cultivable plant growth promoting bacteria associated with wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	17
38	<i>Burkholderia</i> in the genomic era: from taxonomy to the discovery of new antimicrobial secondary metabolites. Critical Reviews in Microbiology, 2022, 48, 121-160.	6.1	17
39	Genetic diversity and symbiotic efficiency of population of rhizobia of Phaseolus vulgaris L. in Brazil. Biology and Fertility of Soils, 2007, 43, 593-598.	4.3	16
40	Paenibacillus helianthi sp. nov., a nitrogen fixing species isolated from the rhizosphere of Helianthus annuus L.. Antonie Van Leeuwenhoek, 2018, 111, 2463-2471.	1.7	16
41	Characterization of anAzospirillum brasilenseTn5mutant with enhanced N2fixation: the effect of ORF280 onnifHexpression. FEMS Microbiology Letters, 2000, 183, 23-29.	1.8	15
42	Diversidade de bactÃ©rias diazotrÃ³ficas endofÃticas associadas a plantas de milho. Revista Brasileira De Ciencia Do Solo, 2007, 31, 1367-1380.	1.3	15
43	Genetic diversity and symbiotic compatibility among rhizobial strains and Desmodium incanum and Lotus spp. plants. Genetics and Molecular Biology, 2014, 37, 396-405.	1.3	15
44	Glutamine synthetase stabilizes the binding of GlnR to nitrogen fixation gene operators. FEBS Journal, 2017, 284, 903-918.	4.7	15
45	Genome Sequence of the Diazotrophic Gram-Positive Rhizobacterium Paenibacillus riograndensis SBR5 ^T. Journal of Bacteriology, 2011, 193, 6391-6392.	2.2	13
46	Diversity of native rhizobia isolated in south Brazil and their growth promotion effect on white clover (Trifolium repens) and rice (Oryza sativa) plants. Biology and Fertility of Soils, 2014, 50, 123-132.	4.3	13
47	Pangenome inventory of Burkholderia sensu lato, Burkholderia sensu stricto, and the Burkholderia cepacia complex reveals the uniqueness of Burkholderia catarinensis. Genomics, 2022, 114, 398-408.	2.9	13
48	Transgenic fertile soybean plants derived from somatic embryos transformed via the combined DNA-free particle bombardment and Agrobacterium system. Euphytica, 2011, 177, 343-354.	1.2	12
49	NAD+ biosynthesis in bacteria is controlled by global carbon/nitrogen levels via PII signaling. Journal of Biological Chemistry, 2020, 295, 6165-6176.	3.4	12
50	Efficiency of probiotic traits in plant inoculation is determined by environmental constrains. Soil Biology and Biochemistry, 2020, 148, 107893.	8.8	12
51	Bacterial inoculants for rice: effects on nutrient uptake and growth promotion. Archives of Agronomy and Soil Science, 2016, 62, 561-569.	2.6	11
52	Agronomic performance, chromosomal stability and resistance to velvetbean caterpillar of transgenic soybean expressing cry1Ac gene. Pesquisa Agropecuaria Brasileira, 2008, 43, 801-807.	0.9	11
53	SOIL FUNGISTASIS AGAINST FUSARIUM GRAMINEARUM UNDER DIFFERENT CROP MANAGEMENT SYSTEMS. Revista Brasileira De Ciencia Do Solo, 2015, 39, 69-77.	1.3	9
54	Genome Sequence of Bacillus mycoides B38V, a Growth-Promoting Bacterium of Sunflower. Genome Announcements, 2015, 3, .	0.8	9

#	Article	IF	Citations
55	Distinct grazing pressure loads generate different impacts on bacterial community in a long-term experiment in Pampa biome. Applied Soil Ecology, 2019, 137, 167-177.	4.3	9
56	CRISPR interference-based gene repression in the plant growth promoter Paenibacillus sonchi genomovar Riograndensis SBR5. Applied Microbiology and Biotechnology, 2020, 104, 5095-5106.	3.6	9
57	Culture-independent assessment of the diazotrophic Bradyrhizobium communities in the Pampa and Atlantic Forest Biomes localities in southern Brazil. Systematic and Applied Microbiology, 2021, 44, 126228.	2.8	9
58	Development and validation of analytical methodology by GC-FID using hexadecyl propanoate as an internal standard to determine the bovine tallow methyl esters content. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1093-1094, 134-140.	2.3	8
59	The combined analysis as the best strategy for Dual RNA-Seq mapping. Genetics and Molecular Biology, 2019, 42, e20190215.	1.3	8
60	Glutamine synthetase evolutionary history revisited: Tracing back beyond the Last Universal Common Ancestor. Evolution; International Journal of Organic Evolution, 2022, 76, 605-622.	2.3	8
61	Iron deficiency resistance mechanisms enlightened by gene expression analysis in Paenibacillus riograndensis SBR5. Research in Microbiology, 2016, 167, 501-509.	2.1	7
62	Invasion ecology applied to inoculation of plant growth promoting bacteria through a novel SIMPER-PCA approach. Plant and Soil, 2018, 422, 467-478.	3.7	7
63	Bacterial and Archaeal Communities Change With Intensity of Vegetation Coverage in Arenized Soils From the Pampa Biome. Frontiers in Microbiology, 2019, 10, 497.	3.5	7
64	Amplification of 16S rRNA gene sequences to differentiate two highly related bradyrhizobia species. Pesquisa Agropecuaria Brasileira, 2007, 42, 1361-1364.	0.9	6
65	Relationship Between In Vitro Enhanced Nitrogenase Activity of an Azospirillum brasilense Sp7 Mutant and Its Growth-Promoting Activities In Situ. Current Microbiology, 2006, 53, 43-47.	2.2	5
66	Genome of Rhizobium sp. UR51a, Isolated from Rice Cropped in Southern Brazilian Fields. Genome Announcements, 2015, 3, .	0.8	5
67	Whole-Genome Shotgun Sequence of the Keratinolytic Bacterium Lysobacter sp. A03, Isolated from the Antarctic Environment. Genome Announcements, 2015, 3, .	0.8	5
68	The genomes of three Bradyrhizobium sp. isolated from root nodules of Lupinus albescens grown in extremely poor soils display important genes for resistance to environmental stress. Genetics and Molecular Biology, 2018, 41, 502-506.	1.3	5
69	Diversity and phylogenetic affinities of Bradyrhizobium isolates from Pampa and Atlantic Forest Biomes. Systematic and Applied Microbiology, 2021, 44, 126203.	2.8	5
70	How to transform a recalcitrant Paenibacillus strain: From culture medium to restriction barrier. Journal of Microbiological Methods, 2016, 131, 135-143.	1.6	3
71	Genome of Pseudomonas sp. FeS53a, a Putative Plant Growth-Promoting Bacterium Associated with Rice Grown in Iron-Stressed Soils. Genome Announcements, 2015, 3, .	0.8	2
72	Systematic review of descriptions of novel bacterial species: evaluation of the twenty-first century taxonomy through text mining. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 2925-2936.	1.7	2

#	Article	IF	Citations
73	Application of representational difference analysis to identify genomic differences between Bradyrhizobium elkanii and B. Japonicum species. Brazilian Journal of Microbiology, 2010, 41, 1142-51.	2.0	0