

Luciano K Vargas

List of Publications by Year in descending order

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59
papers

1,755
citations

331670

21
h-index

289244

40
g-index

60
all docs

60
docs citations

60
times ranked

2030
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of genetic diversity and plant growth promoting activities of nitrogen-fixing bacilli isolated from rice fields in South Brazil. <i>Applied Soil Ecology</i> , 2008, 39, 311-320.	4.3	178
2	Diversity and plant growth promoting evaluation abilities of bacteria isolated from sugarcane cultivated in the South of Brazil. <i>Applied Soil Ecology</i> , 2013, 63, 94-104.	4.3	141
3	Screening of plant growth promoting Rhizobacteria isolated from sunflower (<i>Helianthus annuus</i> L.). <i>Plant and Soil</i> , 2012, 356, 245-264.	3.7	131
4	The effect of plant growth-promoting rhizobacteria on the growth of rice (<i>Oryza sativa</i> L.) cropped in southern Brazilian fields. <i>Plant and Soil</i> , 2013, 366, 585-603.	3.7	129
5	Diversity of plant growth-promoting rhizobacteria communities associated with the stages of canola growth. <i>Applied Soil Ecology</i> , 2012, 55, 44-52.	4.3	121
6	Screening of rhizobacteria isolated from maize (<i>Zea mays</i> L.) in Rio Grande do Sul State (South Brazil) and analysis of their potential to improve plant growth. <i>Applied Soil Ecology</i> , 2013, 63, 15-22.	4.3	101
7	Biogas from slaughterhouse wastewater anaerobic digestion is driven by the archaeal family Methanobacteriaceae and bacterial families Porphyromonadaceae and Tissierellaceae. <i>Renewable Energy</i> , 2018, 118, 840-846.	8.9	66
8	The effects of different fertilization conditions on bacterial plant growth promoting traits: guidelines for directed bacterial prospection and testing. <i>Plant and Soil</i> , 2013, 368, 267-280.	3.7	64
9	Changes in Root Bacterial Communities Associated to Two Different Development Stages of Canola (<i>Brassica napus</i> L. var <i>oleifera</i>) Evaluated through Next-Generation Sequencing Technology. <i>Microbial Ecology</i> , 2013, 65, 593-601.	2.8	62
10	Evaluation of genetic diversity of bradyrhizobia strains nodulating soybean [<i>Glycine max</i> (L.) Merrill] isolated from South Brazilian fields. <i>Applied Soil Ecology</i> , 2008, 38, 261-269.	4.3	60
11	Use of Mineral Weathering Bacteria to Enhance Nutrient Availability in Crops: A Review. <i>Frontiers in Plant Science</i> , 2020, 11, 590774.	3.6	49
12	Soil suppressiveness and its relations with the microbial community in a Brazilian subtropical agroecosystem under different management systems. <i>Soil Biology and Biochemistry</i> , 2016, 96, 191-197.	8.8	42
13	Genomic Metrics Applied to Rhizobiales (Hyphomicrobiales): Species Reclassification, Identification of Unauthentic Genomes and False Type Strains. <i>Frontiers in Microbiology</i> , 2021, 12, 614957.	3.5	38
14	Diazotrophic bacilli isolated from the sunflower rhizosphere and the potential of <i>Bacillus mycoides</i> B38V as biofertiliser. <i>Annals of Applied Biology</i> , 2016, 168, 93-110.	2.5	37
15	Multilocus sequence analysis reveals taxonomic differences among <i>Bradyrhizobium</i> sp. symbionts of <i>Lupinus albus</i> plants growing in arenized and non-arenized areas. <i>Systematic and Applied Microbiology</i> , 2015, 38, 323-329.	2.8	29
16	Influência da inoculação de rizóbios sobre a germinação e o vigor de plântulas de alfafa. <i>Ciencia Rural</i> , 2008, 38, 658-664.	0.5	29
17	Occurrence of plant growth-promoting traits in clover-nodulating rhizobia strains isolated from different soils in Rio Grande do Sul state. <i>Revista Brasileira De Ciencia Do Solo</i> , 2009, 33, 1227-1235.	1.3	28
18	Reclassification of <i>Ochrobactrum lupini</i> as a later heterotypic synonym of <i>Ochrobactrum anthropi</i> based on whole-genome sequence analysis. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2312-2314.	1.7	25

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19	Indicadores microbianos de qualidade do solo em diferentes sistemas de manejo. Revista Brasileira De Ciencia Do Solo, 2012, 36, 33-44.	1.3	24
20	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
21	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
22	Genetic variability of soybean bradyrhizobia populations under different soil managements. Biology and Fertility of Soils, 2011, 47, 357-362.	4.3	23
23	Potential of Rhizobia as Plant Growth-Promoting Rhizobacteria. , 2017, , 153-174.		23
24	Rhizobia for Biological Control of Plant Diseases. , 2019, , 315-336.		23
25	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
26	Imobilizaçã de nitrogÃªnio em solo cultivado com milho em sucessão Ãveia preta nos sistemas plantio direto e convencional. Ciencia Rural, 2005, 35, 76-83.	0.5	20
27	Tillage, fertilization systems and chemical attributes of a Paleudult. Scientia Agricola, 2015, 72, 175-186.	1.2	18
28	Diversidade genÃ©tica e eficiÃªncia simbiÃ³tica de rizÃ³bios noduladores de acÃªcia-negra de solos do Rio Grande do Sul. Revista Brasileira De Ciencia Do Solo, 2007, 31, 647-654.	1.3	17
29	Functional abilities of cultivable plant growth promoting bacteria associated with wheat (Triticum) Tj ETQq1 1 0.784314 rgBT ₁₇ /Overlook	1.3	17
30	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
31	Microbial quality of soil from the Pampa biome in response to different grazing pressures. Genetics and Molecular Biology, 2015, 38, 205-212.	1.3	14
32	Genome Sequence of the Diazotrophic Gram-Positive Rhizobacterium Paenibacillus riograndensis SBR5 ^T. Journal of Bacteriology, 2011, 193, 6391-6392.	2.2	13
33	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
34	Soil-plant-microbiota interactions to enhance plant growth. Revista Brasileira De Ciencia Do Solo, 2022, 46, .	1.3	13
35	Characterization of plant growth-promoting bacteria inhabiting Vriesea gigantea Gaud. and Tillandsia aeranthos (Loiseleur) L.B. Smith (Bromeliaceae). Biota Neotropica, 2013, 13, 80-85.	1.0	12
36	Influence of hot water on breaking dormancy, incubation temperature and rhizobial inoculation on germination of <i>Acacia mearnsii</i> seeds. Australian Forestry, 2019, 82, 157-161.	0.9	10

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37	Eficiência de <i>Trichoderma harzianum</i> e <i>Gliocladium viride</i> na redução da incidência de <i>Botrytis cinerea</i> em tomateiro cultivado sob ambiente protegido. <i>Ciencia Rural</i> , 2007, 37, 1255-1260.	0.5	9
38	SOIL FUNGISTASIS AGAINST <i>FUSARIUM GRAMINEARUM</i> UNDER DIFFERENT CROP MANAGEMENT SYSTEMS. <i>Revista Brasileira De Ciencia Do Solo</i> , 2015, 39, 69-77.	1.3	9
39	Distinct grazing pressure loads generate different impacts on bacterial community in a long-term experiment in Pampa biome. <i>Applied Soil Ecology</i> , 2019, 137, 167-177.	4.3	9
40	Culture-independent assessment of the diazotrophic <i>Bradyrhizobium</i> communities in the Pampa and Atlantic Forest Biomes localities in southern Brazil. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126228.	2.8	9
41	Alterações microbianas no solo durante o ciclo do milho nos sistemas plantio direto e convencional. <i>Pesquisa Agropecuaria Brasileira</i> , 2004, 39, 749-755.	0.9	7
42	Potential of <i>Rhizobia</i> as Plant Growth-Promoting <i>Rhizobacteria</i> . , 2010, , 137-155.		7
43	Pindo Palm fruit yield and its relationship with edaphic factors in natural populations in Rio Grande do Sul. <i>Ciencia Rural</i> , 2017, 47, .	0.5	7
44	Bacterial and Archaeal Communities Change With Intensity of Vegetation Coverage in Arenized Soils From the Pampa Biome. <i>Frontiers in Microbiology</i> , 2019, 10, 497.	3.5	7
45	Establishing reference values for soil microbial biomass-C in agroecosystems in the Atlantic Forest Biome in Southern Brazil. <i>Ecological Indicators</i> , 2020, 117, 106586.	6.3	7
46	The rhizosphere microbiome and growth-promoting <i>rhizobacteria</i> of the Brazilian juçara palm. <i>Rhizosphere</i> , 2020, 15, 100233.	3.0	6
47	The genomes of three <i>Bradyrhizobium</i> sp. isolated from root nodules of <i>Lupinus albescens</i> grown in extremely poor soils display important genes for resistance to environmental stress. <i>Genetics and Molecular Biology</i> , 2018, 41, 502-506.	1.3	5
48	Diversity and phylogenetic affinities of <i>Bradyrhizobium</i> isolates from Pampa and Atlantic Forest Biomes. <i>Systematic and Applied Microbiology</i> , 2021, 44, 126203.	2.8	5
49	Initial Growth and Nutrition of <i>Eucalyptus</i> Under Different Management of Harvest Residues. <i>Floresta E Ambiente</i> , 2020, 27, .	0.4	4
50	Crop rotation reduces the frequency of anaerobic soil bacteria in Red Latosol of Brazil. <i>Brazilian Journal of Microbiology</i> , 2021, 52, 2169-2177.	2.0	3
51	Viabilidade da inoculação de soja com estirpes de <i>Bradyrhizobium</i> em solo inundado. <i>Revista Brasileira De Ciencia Do Solo</i> , 2004, 28, 973-979.	1.3	3
52	Environmental Quality and Cytogenotoxic Impact of the Waters of a Stream Receiving Effluents from Tannery Industry. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	2
53	Diversity of Plant-Growth-Promoting <i>Rhizobacteria</i> Associated with Maize (<i>Zea mays</i> L.). <i>Sustainable Development and Biodiversity</i> , 2014, , 167-189.	1.7	1
54	Caracterização da região espaçadora 16-23S rDNA para diferenciação de estirpes de rizóbios utilizadas na produção de inoculantes comerciais no Brasil. <i>Ciencia Rural</i> , 2012, 42, 1423-1429.	0.5	0

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55	Indigenous rhizobial strains SEMIA 4108 and SEMIA 4107 for common bean inoculation: A biotechnological tool for cleaner and more sustainable agriculture. <i>Experimental Agriculture</i> , 2021, 57, 57-67.	0.9	0
56	Editorial: Rocks, Plants and Microbes. <i>Frontiers in Plant Science</i> , 2021, 12, 745338.	3.6	0
57	Water quality assessment of the Demetrio stream: an affluent of the Gravata-River in the South of Brazil. <i>Brazilian Journal of Biology</i> , 2021, 82, e234692.	0.9	0
58	Atividade microbiana e permanência de resíduos vegetais em função de sua composição e disposição no solo. <i>Pesquisa Agropecuária Gaúcha</i> , 2021, 27, 3-13.	0.2	0
59	Diversidade genética, tolerância aos fatores de acidez e eficiência simbiótica de rizóbios para o cultivo de solos do Rio Grande do Sul. <i>Revista Brasileira De Ciencia Do Solo</i> , 2011, 35, 1855-1864.	1.3	0