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	Soil-plant-microbiota interactions to enhance plant growth. Revista Brasileira De Ciencia Do Solo, 2022, 46, .	1.3	13
2	Indigenous rhizobial strains SEMIA 4108 and SEMIA 4107 for common bean inoculation: A biotechnological tool for cleaner and more sustainable agriculture. Experimental Agriculture, 2021, 57, 57-67.	0.9	0
3	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
4	Diversity and phylogenetic affinities of Bradyrhizobium isolates from Pampa and Atlantic Forest Biomes. Systematic and Applied Microbiology, 2021, 44, 126203.	2.8	5
5	Crop rotation reduces the frequency of anaerobic soil bacteria in Red Latosol of Brazil. Brazilian Journal of Microbiology, 2021, 52, 2169-2177.	2.0	3
6	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
7	Editorial: Rocks, Plants and Microbes. Frontiers in Plant Science, 2021, 12, 745338.	3.6	0
8	Water quality assessment of the Demetrio stream: an affluent of the GravataÃ-River in the South of Brazil. Brazilian Journal of Biology, 2021, 82, e234692.	0.9	0
9	Atividade microbiana e permanÃªncia de resÃduos vegetais em funÃ§Ã£o de sua composiÃ§Ã£o e disposiÃ§Ã£o no solo. Pesquisa AgropecuÃ¡ria GaÃºcha, 2021, 27, 3-13.	0.2	0
10	The rhizosphere microbiome and growth-promoting rhizobacteria of the Brazilian juÃ§ara palm. Rhizosphere, 2020, 15, 100233.	3.0	6
11	Use of Mineral Weathering Bacteria to Enhance Nutrient Availability in Crops: A Review. Frontiers in Plant Science, 2020, 11, 590774.	3.6	49
12	Environmental Quality and Cytogenotoxic Impact of the Waters of a Stream Receiving Effluents from Tannery Industry. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	2
13	Establishing reference values for soil microbial biomass-C in agroecosystems in the Atlantic Forest Biome in Southern Brazil. Ecological Indicators, 2020, 117, 106586.	6.3	7
14	Initial Growth and Nutrition of Eucalyptus Under Different Management of Harvest Residues. Floresta E Ambiente, 2020, 27, .	0.4	4
15	Rhizobia for Biological Control of Plant Diseases. , 2019, , 315-336.		23
16	Influence of hot water on breaking dormancy, incubation temperature and rhizobial inoculation on germination ofAcacia mearnsiiseeds. Australian Forestry, 2019, 82, 157-161.	0.9	10
17	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
18	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

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19	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
20	Biogas from slaughterhouse wastewater anaerobic digestion is driven by the archaeal family Methanobacteriaceae and bacterial families Porphyromonadaceae and Tissierellaceae. Renewable Energy, 2018, 118, 840-846.	8.9	66
21	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
22	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
23	Potential of Rhizobia as Plant Growth-Promoting Rhizobacteria. , 2017, , 153-174.		23
24	Pindo Palm fruit yield and its relationship with edaphic factors in natural populations in Rio Grande do Sul. Ciencia Rural, 2017, 47, .	0.5	7
25	Functional abilities of cultivable plant growth promoting bacteria associated with wheat (Triticum) Tj ETQq1 1 0.784314 rgBT /Overlo	1.3	17
26	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
27	Soil suppressiveness and its relations with the microbial community in a Brazilian subtropical agroecosystem under different management systems. Soil Biology and Biochemistry, 2016, 96, 191-197.	8.8	42
28	SOIL FUNGISTASIS AGAINST FUSARIUM GRAMINEARUM UNDER DIFFERENT CROP MANAGEMENT SYSTEMS. Revista Brasileira De Ciencia Do Solo, 2015, 39, 69-77.	1.3	9
29	Tillage, fertilization systems and chemical attributes of a Paleudult. Scientia Agricola, 2015, 72, 175-186.	1.2	18
30	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
31	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
32	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
33	Diversity of Plant-Growth-Promoting Rhizobacteria Associated with Maize (Zea mays L.). Sustainable Development and Biodiversity, 2014, , 167-189.	1.7	1
34	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
35	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
36	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

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37	Screening of rhizobacteria isolated from maize (Zea mays L.) in Rio Grande do Sul State (South Brazil) and analysis of their potential to improve plant growth. Applied Soil Ecology, 2013, 63, 15-22.	4.3	101
38	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
39	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
40	Diversity and plant growth promoting evaluation abilities of bacteria isolated from sugarcane cultivated in the South of Brazil. Applied Soil Ecology, 2013, 63, 94-104.	4.3	141
41	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
42	Diversity of plant growth-promoting rhizobacteria communities associated with the stages of canola growth. Applied Soil Ecology, 2012, 55, 44-52.	4.3	121
43	Indicadores microbianos de qualidade do solo em diferentes sistemas de manejo. Revista Brasileira De Ciencia Do Solo, 2012, 36, 33-44.	1.3	24
44	CaracterizaÃ§Ã£o da regiÃ£o espaÃ§adora 16-23S rDNA para diferenciaÃ§Ã£o de estirpes de rizÃ³bios utilizadas na produÃ§Ã£o de inoculantes comerciais no Brasil. Ciencia Rural, 2012, 42, 1423-1429.	0.5	0
45	Screening of plant growth promoting Rhizobacteria isolated from sunflower (Helianthus annuus L.). Plant and Soil, 2012, 356, 245-264.	3.7	131
46	Genetic variability of soybean bradyrhizobia populations under different soil managements. Biology and Fertility of Soils, 2011, 47, 357-362.	4.3	23
47	Genome Sequence of the Diazotrophic Gram-Positive Rhizobacterium Paenibacillus riograndensis SBR5 ^T. Journal of Bacteriology, 2011, 193, 6391-6392.	2.2	13
48	DiversidadegenÃ©tica, tolerÃ¢ncia aos fatores de acidez e eficiÃªncia simbiÃ³tica de rizÃ³bios para cornichÃ£o de solos do Rio Grande do Sul. Revista Brasileira De Ciencia Do Solo, 2011, 35, 1855-1864.	1.3	0
49	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
50	Potential of Rhizobia as Plant Growth-Promoting Rhizobacteria. , 2010, , 137-155.		7
51	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
52	Evaluation of genetic diversity of bradyrhizobia strains nodulating soybean [Glycine max (L.) Merrill] isolated from South Brazilian fields. Applied Soil Ecology, 2008, 38, 261-269.	4.3	60
53	Evaluation of genetic diversity and plant growth promoting activities of nitrogen-fixing bacilli isolated from rice fields in South Brazil. Applied Soil Ecology, 2008, 39, 311-320.	4.3	178
54	InfluÃªncia da inoculaÃ§Ã£o de rizÃ³bios sobre a germinaÃ§Ã£o e o vigor de plÃ¢ntulas de alface. Ciencia Rural, 2008, 38, 658-664.	0.5	29

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55	Diversidade genÃ©tica e eficiÃªncia simbiÃ³tica de rizÃ³bios noduladores de acÃ¡cia-negra de solos do Rio Grande do Sul. Revista Brasileira De Ciencia Do Solo, 2007, 31, 647-654.	1.3	17
56	EficiÃªncia de Trichoderma harzianum e Gliocladium viride na reduÃ§Ã£o da incidÃªncia de Botrytis cinerea em tomateiro cultivado sob ambiente protegido. Ciencia Rural, 2007, 37, 1255-1260.	0.5	9
57	ImobilizaÃ§Ã£o de nitrogÃªnio em solo cultivado com milho em sucessÃ£o Ã aveia preta nos sistemas plantio direto e convencional. Ciencia Rural, 2005, 35, 76-83.	0.5	20
58	AlteraÃ§Ãµes microbianas no solo durante o ciclo do milho nos sistemas plantio direto e convencional. Pesquisa Agropecuaria Brasileira, 2004, 39, 749-755.	0.9	7
59	Viabilidade da inoculaÃ§Ã£o de soja com estirpes de Bradyrhizobium em solo inundado. Revista Brasileira De Ciencia Do Solo, 2004, 28, 973-979.	1.3	3