

Wellington Luiz Araújo

List of Publications by Year in descending order

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112
papers

5,629
citations

76294

40
h-index

85498

71
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114
all docs

114
docs citations

114
times ranked

5565
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation and characterization of soybean-associated bacteria and their potential for plant growth promotion. <i>Environmental Microbiology</i> , 2004, 6, 1244-1251.	1.8	583
2	Diversity of Endophytic Bacterial Populations and Their Interaction with <i>Xylella fastidiosa</i> in Citrus Plants. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4906-4914.	1.4	485
3	Microbial interactions: ecology in a molecular perspective. <i>Brazilian Journal of Microbiology</i> , 2016, 47, 86-98.	0.8	250
4	Diversity of endophytic fungal community of cacao (<i>Theobroma cacao</i> L.) and biological control of <i>Crinipellis pernicioso</i> , causal agent of Witches' Broom Disease. <i>International Journal of Biological Sciences</i> , 2005, 1, 24-33.	2.6	216
5	Diversity of endophytic bacteria from <i>Eucalyptus</i> species seeds and colonization of seedlings by <i>Pantoea agglomerans</i> . <i>FEMS Microbiology Letters</i> , 2008, 287, 8-14.	0.7	194
6	Diversity of Cultivated Endophytic Bacteria from Sugarcane: Genetic and Biochemical Characterization of <i>Burkholderia cepacia</i> Complex Isolates. <i>Applied and Environmental Microbiology</i> , 2007, 73, 7259-7267.	1.4	190
7	Isolation of micropropagated strawberry endophytic bacteria and assessment of their potential for plant growth promotion. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 189-195.	1.7	159
8	Analysis of Bacterial Community Structure in Sulfurous-Oil-Containing Soils and Detection of Species Carrying Dibenzo thiophene Desulfurization (dsz) Genes. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1052-1062.	1.4	133
9	Interaction between endophytic bacteria from citrus plants and the phytopathogenic bacteria <i>Xylella fastidiosa</i> , causal agent of citrus-variegated chlorosis. <i>Letters in Applied Microbiology</i> , 2004, 39, 55-59.	1.0	133
10	Isolation and characterization of endophytic bacteria from soybean (<i>Glycine max</i>) grown in soil treated with glyphosate herbicide. <i>Plant and Soil</i> , 2005, 273, 91-99.	1.8	128
11	<i>Epicoccum nigrum</i> P16, a Sugarcane Endophyte, Produces Antifungal Compounds and Induces Root Growth. <i>PLoS ONE</i> , 2012, 7, e36826.	1.1	123
12	Sugarcane Growth Promotion by the Endophytic Bacterium <i>Pantoea agglomerans</i> 33.1. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7511-7518.	1.4	121
13	Effect of bacterial inoculation, plant genotype and developmental stage on root-associated and endophytic bacterial communities in potato (<i>Solanum tuberosum</i>). <i>Antonie Van Leeuwenhoek</i> , 2010, 97, 389-399.	0.7	113
14	Biotechnological and Agronomic Potential of Endophytic Pink-Pigmented Methylophilic <i>Methylobacterium</i> spp.. <i>BioMed Research International</i> , 2015, 2015, 1-19.	0.9	105
15	Chitinolytic activity of endophytic <i>Streptomyces</i> and potential for biocontrol. <i>Letters in Applied Microbiology</i> , 2008, 47, 486-491.	1.0	104
16	Endophytic Colonization of Potato (<i>Solanum tuberosum</i> L.) by a Novel Competent Bacterial Endophyte, <i>Pseudomonas putida</i> Strain P9, and Its Effect on Associated Bacterial Communities. <i>Applied and Environmental Microbiology</i> , 2009, 75, 3396-3406.	1.4	95
17	Diversity and biotechnological potential of culturable bacteria from Brazilian mangrove sediment. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 1305-1311.	1.7	79
18	Assessing the diversity of bacterial communities associated with plants. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 417-432.	0.8	78

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19	Characterization of an endophytic bacterial community associated with Eucalyptus spp. Genetics and Molecular Research, 2009, 8, 1408-1422.	0.3	73
20	Quantification of Xylella fastidiosa from Citrus Trees by Real-Time Polymerase Chain Reaction Assay. Phytopathology, 2002, 92, 1048-1054.	1.1	67
21	Genetic diversity and plant-growth related features of Burkholderia spp. from sugarcane roots. World Journal of Microbiology and Biotechnology, 2010, 26, 1829-1836.	1.7	66
22	Effects of the herbicides acetochlor and metolachlor on antioxidant enzymes in soil bacteria. Process Biochemistry, 2011, 46, 1186-1195.	1.8	64
23	The bacterial diversity in a Brazilian non-disturbed mangrove sediment. Antonie Van Leeuwenhoek, 2010, 98, 541-551.	0.7	61
24	of Fusarium oxysporum. Genetics and Molecular Research, 2012, 11, 4187-4197.	0.3	60
25	The endophyte Curtobacterium flaccumfaciens reduces symptoms caused by Xylella fastidiosa in Catharanthus roseus. Journal of Microbiology, 2007, 45, 388-93.	1.3	58
26	Detection of siderophores in endophytic bacteria Methylobacterium spp. associated with Xylella fastidiosa subsp. pauca. Pesquisa Agropecuaria Brasileira, 2008, 43, 521-528.	0.9	57
27	Epicolactone – Natural Product Isolated from the Sugarcane Endophytic Fungus <i>Epicoccum nigrum</i> . European Journal of Organic Chemistry, 2012, 2012, 5225-5230.	1.2	57
28	The biotechnological potential of <i>Epicoccum</i> spp.: diversity of secondary metabolites. Critical Reviews in Microbiology, 2018, 44, 759-778.	2.7	56
29	Endophytic bacterial diversity in the phyllosphere of Amazon Paullinia cupana associated with asymptomatic and symptomatic anthracnose. SpringerPlus, 2015, 4, 258.	1.2	55
30	Model plants for studying the interaction between Methylobacterium mesophilicum and Xylella fastidiosa. Canadian Journal of Microbiology, 2006, 52, 419-426.	0.8	53
31	Transgenic tobacco revealing altered bacterial diversity in the rhizosphere during early plant development. Antonie Van Leeuwenhoek, 2008, 93, 415-424.	0.7	53
32	Culturable endophytic filamentous fungi from leaves of transgenic imidazolinone-tolerant sugarcane and its non-transgenic isolines. Archives of Microbiology, 2010, 192, 307-313.	1.0	52
33	Molecular characterization of a β -1,4-endoglucanase from an endophytic Bacillus pumilus strain. Applied Microbiology and Biotechnology, 2005, 68, 57-65.	1.7	51
34	Diversity of Cultivated Fungi Associated with Conventional and Transgenic Sugarcane and the Interaction between Endophytic Trichoderma virens and the Host Plant. PLoS ONE, 2016, 11, e0158974.	1.1	51
35	Polyphasic Analysis of Intraspecific Diversity in Epicoccum nigrum Warrants Reclassification into Separate Species. PLoS ONE, 2011, 6, e14828.	1.1	49
36	Rapid, specific and quantitative assays for the detection of the endophytic bacterium Methylobacterium mesophilicum in plants. Journal of Microbiological Methods, 2006, 65, 535-541.	0.7	48

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37	Transmission of <i>Methylobacterium mesophilicum</i> by <i>Bucephalagonia xanthophis</i> for paratransgenic control strategy of Citrus variegated chlorosis. <i>Journal of Microbiology</i> , 2009, 47, 448-454.	1.3	47
38	Culture-Independent Assessment of Rhizobiales-Related Alphaproteobacteria and the Diversity of <i>Methylobacterium</i> in the Rhizosphere and Rhizoplane of Transgenic Eucalyptus. <i>Microbial Ecology</i> , 2009, 57, 82-93.	1.4	44
39	Direct Protocol for Ambient Mass Spectrometry Imaging on Agar Culture. <i>Analytical Chemistry</i> , 2015, 87, 6925-6930.	3.2	44
40	Diversity of endophytic enterobacteria associated with different host plants. <i>Journal of Microbiology</i> , 2008, 46, 373-379.	1.3	42
41	Diversity of endophytic yeasts from sweet orange and their localization by scanning electron microscopy. <i>Journal of Basic Microbiology</i> , 2009, 49, 441-451.	1.8	42
42	Structural Elucidation and Biological Activity of Acyl-homoserine Lactones from the Phytopathogen <i>Pantoea ananatis</i> Serrano 1928. <i>Journal of Chemical Ecology</i> , 2006, 32, 1769-1778.	0.9	39
43	<i>Methylobacterium</i> -plant interaction genes regulated by plant exudate and quorum sensing molecules. <i>Brazilian Journal of Microbiology</i> , 2013, 44, 1331-1339.	0.8	39
44	Bacterial Genomes: Habitat Specificity and Uncharted Organisms. <i>Microbial Ecology</i> , 2012, 64, 1-7.	1.4	37
45	The diversity of citrus endophytic bacteria and their interactions with <i>Xylella fastidiosa</i> and host plants. <i>Genetics and Molecular Biology</i> , 2016, 39, 476-491.	0.6	37
46	RNA Interference of Endochitinases in the Sugarcane Endophyte <i>Trichoderma virens</i> 223 Reduces Its Fitness as a Biocontrol Agent of Pineapple Disease. <i>PLoS ONE</i> , 2012, 7, e47888.	1.1	36
47	Genetically modified crops: environmental and human health concerns. <i>Mutation Research - Reviews in Mutation Research</i> , 2003, 544, 223-233.	2.4	35
48	Long-Chain Acyl-Homoserine Lactones from <i>Methylobacterium mesophilicum</i> : Synthesis and Absolute Configuration. <i>Journal of Natural Products</i> , 2009, 72, 2125-2129.	1.5	34
49	The Diversity of Endophytic Methylophilic Bacteria in an Oil-Contaminated and an Oil-Free Mangrove Ecosystem and Their Tolerance to Heavy Metals. <i>Biotechnology Research International</i> , 2012, 2012, 1-8.	1.4	34
50	Potential of <i>Burkholderia seminalis</i> TC3.4.2R3 as Biocontrol Agent Against <i>Fusarium oxysporum</i> Evaluated by Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 901-907.	1.2	27
51	Analysis of 16S rRNA and <i>mxoF</i> genes revealing insights into <i>Methylobacterium</i> niche-specific plant association. <i>Genetics and Molecular Biology</i> , 2012, 35, 142-148.	0.6	26
52	Endophytic <i>Methylobacterium extorquens</i> expresses a heterologous β -1,4-endoglucanase A (EglA) in <i>Catharanthus roseus</i> seedlings, a model host plant for <i>Xylella fastidiosa</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1475-1481.	1.7	26
53	Genetic transformation of <i>Diaporthe phaseolorum</i> , an endophytic fungus found in mangrove forests, mediated by <i>Agrobacterium tumefaciens</i> . <i>Current Genetics</i> , 2012, 58, 21-33.	0.8	26
54	Endophytic and entomopathogenic strains of <i>Beauveria</i> sp to control the bovine tick <i>Rhipicephalus (Boophilus) microplus</i> . <i>Genetics and Molecular Research</i> , 2010, 9, 1421-1430.	0.3	26

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55	Endophytic and pathogenic isolates of the cacao fungal pathogen <i>Moniliophthora perniciosa</i> (Tricholomataceae) are indistinguishable based on genetic and physiological analysis. <i>Genetics and Molecular Research</i> , 2011, 10, 326-334.	0.3	25
56	Acyl-homoserine Lactones from <i>Erwinia psidii</i> R. IBSBF 435T, a Guava Phytopathogen (<i>Psidium guajava</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6262-6265.	2.4	24
57	Influence of water quality on diversity and composition of fungal communities in a tropical river. <i>Scientific Reports</i> , 2018, 8, 14799.	1.6	24
58	Specific plant induced biofilm formation in <i>Methylobacterium</i> species. <i>Brazilian Journal of Microbiology</i> , 2011, 42, 878-883.	0.8	23
59	Control of <i>Diatraea saccharalis</i> by the endophytic <i>Pantoea agglomerans</i> 33.1 expressing cry1Ac7. <i>Archives of Microbiology</i> , 2014, 196, 227-234.	1.0	21
60	Bacterial community associated with traps of the carnivorous plants <i>Utricularia hydrocarpa</i> and <i>Genlisea filiformis</i> . <i>Aquatic Botany</i> , 2014, 116, 8-12.	0.8	21
61	RAPD profile and antibiotic susceptibility of <i>Xylella fastidiosa</i> , causal agent of citrus variegated chlorosis. <i>Letters in Applied Microbiology</i> , 2001, 33, 302-306.	1.0	20
62	Direct RAPD evaluation of bacteria without conventional DNA extraction. <i>Brazilian Archives of Biology and Technology</i> , 2004, 47, 375-380.	0.5	20
63	Bacterial community in the rhizosphere and rhizoplane of wild type and transgenic eucalyptus. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 1065-1073.	1.7	20
64	Impact of genetically modified <i>Enterobacter cloacae</i> on indigenous endophytic community of <i>Citrus sinensis</i> seedlings. <i>Journal of Microbiology</i> , 2004, 42, 169-73.	1.3	20
65	Ambient pH-regulated enzyme secretion in endophytic and pathogenic isolates of the fungal genus <i>Colletotrichum</i> . <i>Scientia Agricola</i> , 2004, 61, 298-302.	0.6	19
66	Enzymatic differences between the endophyte <i>Guignardia mangiferae</i> (Botryosphaeriaceae) and the citrus pathogen <i>G. citricarpa</i> . <i>Genetics and Molecular Research</i> , 2011, 10, 243-252.	0.3	18
67	Differential expression of the <i>pr1A</i> gene in <i>Metarhizium anisopliae</i> and <i>Metarhizium acridum</i> across different culture conditions and during pathogenesis. <i>Genetics and Molecular Biology</i> , 2015, 38, 86-92.	0.6	18
68	Capillary electrophoresis-mass spectrometry of citrus endophytic bacteria siderophores. <i>Electrophoresis</i> , 2006, 27, 2567-2574.	1.3	17
69	Desorption electrospray ionization mass spectrometry imaging reveals chemical defense of <i>Burkholderia seminalis</i> against cacao pathogens. <i>RSC Advances</i> , 2017, 7, 29953-29958.	1.7	17
70	RAPD analyses of recombination processes in the entomopathogenic fungus <i>Beauveria bassiana</i> . <i>Mycological Research</i> , 2003, 107, 1069-1074.	2.5	16
71	Resistência a benzimidazóis por <i>Guignardia citricarpa</i> . <i>Pesquisa Agropecuária Brasileira</i> , 2007, 42, 323-327.	0.9	16
72	Bacterial soil community in a Brazilian sugarcane field. <i>Plant and Soil</i> , 2010, 336, 337-349.	1.8	16

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73	Genome Sequencing and Transposon Mutagenesis of <i>Burkholderia seminalis</i> TC3.4.2R3 Identify Genes Contributing to Suppression of Orchid Necrosis Caused by <i>B. gladioli</i> . <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 435-446.	1.4	16
74	Biogenic <i>Aspergillus tubingensis</i> silver nanoparticles™ in vitro effects on human umbilical vein endothelial cells, normal human fibroblasts, HEPG2, and <i>Galleria mellonella</i> . <i>Toxicology Research</i> , 2019, 8, 789-801.	0.9	16
75	Differential gene expression in <i>Xylella fastidiosa</i> 9a5c during co-cultivation with the endophytic bacterium <i>Methylobacterium mesophilicum</i> SR1.6/6. <i>Journal of Basic Microbiology</i> , 2015, 55, 1357-1366.	1.8	15
76	Evaluation of endophytic colonization of <i>Citrus sinensis</i> and <i>Catharanthus roseus</i> seedlings by endophytic bacteria. <i>Journal of Microbiology</i> , 2007, 45, 11-4.	1.3	15
77	Caracterização da comunidade bacteriana endofítica de citros por isolamento, PCR específico e DGGE. <i>Pesquisa Agropecuária Brasileira</i> , 2006, 41, 637-642.	0.9	14
78	Genetic variability of Brazilian isolates of <i>Alternaria alternata</i> detected by AFLP and RAPD techniques. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 670-677.	0.8	13
79	The effect of different growth regimes on the endophytic bacterial communities of the fern, <i>Dicksonia sellowiana</i> hook (<i>Dicksoniaceae</i>). <i>Brazilian Journal of Microbiology</i> , 2010, 41, 956-965.	0.8	13
80	Draft Genome Sequence of <i>Curtobacterium</i> sp. Strain ER1/6, an Endophytic Strain Isolated from <i>Citrus sinensis</i> with Potential To Be Used as a Biocontrol Agent. <i>Genome Announcements</i> , 2016, 4, .	0.8	13
81	The Diversity of Polyketide Synthase Genes from Sugarcane-Derived Fungi. <i>Microbial Ecology</i> , 2012, 63, 565-577.	1.4	12
82	<i>Agrobacterium</i> -mediated transformation of <i>Guignardia citricarpa</i> : An efficient tool to gene transfer and random mutagenesis. <i>Fungal Biology</i> , 2013, 117, 556-568.	1.1	12
83	Pediocin PA-1 production by <i>Pediococcus pentosaceus</i> ET34 using non-detoxified hemicellulose hydrolysate obtained from hydrothermal pretreatment of sugarcane bagasse. <i>Bioresource Technology</i> , 2021, 338, 125565.	4.8	12
84	The biology and potential for genetic research of transposable elements in filamentous fungi. <i>Genetics and Molecular Biology</i> , 2005, 28, 804-813.	0.6	11
85	<i>Colletotrichum sublineolum</i> genetic instability assessed by mutants resistant to chlorate. <i>Mycological Research</i> , 2007, 111, 93-105.	2.5	11
86	Genes related to antioxidant metabolism are involved in <i>Methylobacterium mesophilicum</i> -soybean interaction. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 951-963.	0.7	11
87	Endophytic population of <i>Pantoea agglomerans</i> in citrus plants and development of a cloning vector for endophytes. <i>Journal of Basic Microbiology</i> , 2008, 48, 338-346.	1.8	10
88	Genome Sequence of <i>Streptomyces wadayamensis</i> Strain A23, an Endophytic Actinobacterium from <i>Citrus reticulata</i> . <i>Genome Announcements</i> , 2014, 2, .	0.8	10
89	Colonization of Madagascar periwinkle (<i>Catharanthus roseus</i>), by endophytes encoding <i>gfp</i> marker. <i>Archives of Microbiology</i> , 2013, 195, 483-489.	1.0	9
90	Cultivated bacterial diversity associated with the carnivorous plant <i>Utricularia breviscapa</i> (<i>Lentibulariaceae</i>) from floodplains in Brazil. <i>Brazilian Journal of Microbiology</i> , 2018, 49, 714-722.	0.8	9

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91	Potential for the Biodegradation of Atrazine Using Leaf Litter Fungi from a Subtropical Protection Area. <i>Current Microbiology</i> , 2021, 78, 358-368.	1.0	9
92	Genome Sequence of <i>Streptomyces olindensis</i> DAUFPE 5622, Producer of the Antitumoral Anthracycline Cosmomycin D. <i>Genome Announcements</i> , 2014, 2, .	0.8	8
93	Microsatellite markers developed for <i>Utricularia reniformis</i> (Lentibulariaceae). <i>American Journal of Botany</i> , 2012, 99, e375-8.	0.8	7
94	Draft Genome Sequence of <i>Methylobacterium mesophilicum</i> Strain SR1.6/6, Isolated from <i>Citrus sinensis</i> . <i>Genome Announcements</i> , 2013, 1, .	0.8	7
95	Endophytic Bacteria Associated to Sharpshooters (Hemiptera: Cicadellidae), Insect Vectors of <i>Xylella fastidiosa</i> Subsp. <i>pauca</i> . <i>Journal of Plant Pathology & Microbiology</i> , 2011, 02, .	0.3	7
96	Colonization of rice and <i>Spodoptera frugiperda</i> J.E. Smith (Lepidoptera: Noctuidae) larvae by genetically modified endophytic <i>Methylobacterium mesophilicum</i> . <i>Neotropical Entomology</i> , 2010, 39, 308-310.	0.5	6
97	Genetic variability and vegetative compatibility of <i>Erythricium salmonicolor</i> isolates. <i>Scientia Agricola</i> , 2007, 64, 162-168.	0.6	5
98	Mass spectrometry characterization of endophytic bacterium <i>Curtobacterium</i> sp. strain ER1/6 isolated from <i>Citrus sinensis</i> . <i>Journal of Mass Spectrometry</i> , 2018, 53, 91-97.	0.7	5
99	Biopolymer production by halotolerant bacteria isolated from Caatinga biome. <i>Brazilian Journal of Microbiology</i> , 2021, 52, 547-559.	0.8	5
100	Characterization of a small cryptic plasmid from endophytic <i>Pantoea agglomerans</i> and its use in the construction of an expression vector. <i>Genetics and Molecular Biology</i> , 2011, 34, 103-109.	0.6	4
101	First Description of Necrosis in Leaves and Pseudobulbs of <i>Oncidium</i> Orchids Caused by <i>Burkholderia gladioli</i> in São Paulo State, Brazil. <i>Plant Disease</i> , 2015, 99, 1642-1642.	0.7	4
102	Genome Mining of Endophytic <i>Streptomyces wadayamensis</i> Reveals High Antibiotic Production Capability. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	3
103	Genome Sequence of <i>Micromonospora</i> sp. NBS 11-29, an Antibiotic and Hydrolytic Enzyme Producer, Isolated from River Sediment in Brazil. <i>Genome Announcements</i> , 2017, 5, .	0.8	3
104	Environmental interactions are regulated by temperature in <i>Burkholderia seminalis</i> TC3.4.2R3. <i>Scientific Reports</i> , 2019, 9, 5486.	1.6	3
105	Ecological and Biotechnological Aspects of <i>Methylobacterium mesophilicum</i> . , 2019, , 87-99.		3
106	Short-Term Effect in Soil Microbial Community of Two Strategies of Recovering Degraded Area in Brazilian Savanna: A Pilot Case Study. <i>Frontiers in Microbiology</i> , 2021, 12, 661410.	1.5	3
107	Differential expression of genes involved in entomopathogenicity of the fungi <i>Metarhizium anisopliae</i> var. <i>anisopliae</i> and <i>M. anisopliae</i> var. <i>acidum</i> (Clavicipitaceae). <i>Genetics and Molecular Research</i> , 2011, 10, 769-778.	0.3	2
108	Genetically Modified Organisms in the Tropics: Challenges and Perspectives. , 2017, , 403-430.		1

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109	METABOLIC SCREENING FOR PKS AND NRPS IN ENDOPHYTIC ACTINOBACTERIA FROM <i>Citrus reticulata</i> . <i>Quimica Nova</i> , 2015, , .	0.3	1
110	The effect of different growth regimes on the endophytic bacterial communities of the fern, <i>Dicksonia sellowiana</i> hook (Dicksoniaceae). <i>Brazilian Journal of Microbiology</i> , 2010, 41, 956-65.	0.8	1
111	Onsite Wastewater Treatment Upgrade for Water Reuse in Cooling Towers and Toilets. <i>Water</i> (Switzerland), 2022, 14, 1612.	1.2	1
112	Endophytic bacteria isolated from <i>ip mirim</i> (<i>Tecoma stans</i> Bignoniaceae) and its application for plant growth promotion. <i>African Journal of Microbiology Research</i> , 2017, 11, 1459-1467.	0.4	0