

Angela Sessitsch

List of Publications by Year in descending order

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194
papers

25,513
citations

8208

78
h-index

8212

153
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205
all docs

205
docs citations

205
times ranked

21440
citing authors

#	ARTICLE	IF	CITATIONS
1	Calling for a systems approach in microbiome research and innovation. <i>Current Opinion in Biotechnology</i> , 2022, 73, 171-178.	3.3	18
2	In-depth genome analysis of <i>Bacillus</i> sp. BH32, a salt stress-tolerant endophyte obtained from a halophyte in a semiarid region. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 3113-3137.	1.7	11
3	Variations in fungal community structure along elevation gradients in contrasting Austrian Alpine ecosystems. <i>Applied Soil Ecology</i> , 2022, 177, 104508.	2.1	7
4	Towards a unified data infrastructure to support European and global microbiome research: a call to action. <i>Environmental Microbiology</i> , 2021, 23, 372-375.	1.8	7
5	The plant endosphere world “ bacterial life within plants. <i>Environmental Microbiology</i> , 2021, 23, 1812-1829.	1.8	146
6	16S rRNA gene-based microbiome analysis identifies candidate bacterial strains that increase the storage time of potato tubers. <i>Scientific Reports</i> , 2021, 11, 3146.	1.6	16
7	Beneficial Insects Deliver Plant Growth-Promoting Bacterial Endophytes between Tomato Plants. <i>Microorganisms</i> , 2021, 9, 1294.	1.6	10
8	Editorial to the Thematic Topic “Towards a more sustainable agriculture through managing soil microbiomes”. <i>FEMS Microbiology Ecology</i> , 2021, 97, .	1.3	3
9	Microbiome innovations for a sustainable future. <i>Nature Microbiology</i> , 2021, 6, 138-142.	5.9	53
10	Heritability and Functional Importance of the <i>Setaria viridis</i> Bacterial Seed Microbiome. <i>Phytobiomes Journal</i> , 2020, 4, 40-52.	1.4	71
11	Major changes in grapevine wood microbiota are associated with the onset of esca, a devastating trunk disease. <i>Environmental Microbiology</i> , 2020, 22, 5189-5206.	1.8	32
12	Comparative Genomics of Microbacterium Species to Reveal Diversity, Potential for Secondary Metabolites and Heavy Metal Resistance. <i>Frontiers in Microbiology</i> , 2020, 11, 1869.	1.5	29
13	miCROPe 2019 “ emerging research priorities towards microbe-assisted crop production. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	12
14	Humic Acid Enhances the Growth of Tomato Promoted by Endophytic Bacterial Strains Through the Activation of Hormone-, Growth-, and Transcription-Related Processes. <i>Frontiers in Plant Science</i> , 2020, 11, 582267.	1.7	20
15	Interaction between endophytic Proteobacteria strains and <i>Serendipita indica</i> enhances biocontrol activity against fungal pathogens. <i>Plant and Soil</i> , 2020, 451, 277-305.	1.8	27
16	Microbiome definition re-visited: old concepts and new challenges. <i>Microbiome</i> , 2020, 8, 103.	4.9	903
17	Synergistic effects of microbial anaerobic dechlorination of perchloroethene and nano zero-valent iron (nZVI) “ A lysimeter experiment. <i>New Biotechnology</i> , 2020, 57, 34-44.	2.4	9
18	The bacterial community in potato is recruited from soil and partly inherited across generations. <i>PLoS ONE</i> , 2019, 14, e0223691.	1.1	39

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19	Next generation microbiome applications for crop production – limitations and the need of knowledge-based solutions. <i>Current Opinion in Microbiology</i> , 2019, 49, 59-65.	2.3	59
20	Microbiome Applications from Lab to Field: Facing Complexity. <i>Trends in Plant Science</i> , 2019, 24, 194-198.	4.3	153
21	A review on the plant microbiome: Ecology, functions, and emerging trends in microbial application. <i>Journal of Advanced Research</i> , 2019, 19, 29-37.	4.4	850
22	The urgent need for microbiology literacy in society. <i>Environmental Microbiology</i> , 2019, 21, 1513-1528.	1.8	99
23	Beneficial Endophytic Bacteria- <i>Serendipita indica</i> Interaction for Crop Enhancement and Resistance to Phytopathogens. <i>Frontiers in Microbiology</i> , 2019, 10, 2888.	1.5	70
24	Biocontrol activity of surfactin A purified from <i>Bacillus</i> NH-100 and NH-217 against rice bakanae disease. <i>Microbiological Research</i> , 2018, 209, 1-13.	2.5	101
25	The potential of plant microbiota in reducing postharvest food loss. <i>Microbial Biotechnology</i> , 2018, 11, 971-975.	2.0	39
26	Maintenance and assessment of cell viability in formulation of non-sporulating bacterial inoculants. <i>Microbial Biotechnology</i> , 2018, 11, 277-301.	2.0	131
27	Bacterial niches inside seeds of <i>Cucumis melo</i> L.. <i>Plant and Soil</i> , 2018, 422, 101-113.	1.8	58
28	Commentary: seed bacterial inhabitants and their routes of colonization. <i>Plant and Soil</i> , 2018, 422, 129-134.	1.8	66
29	Roots and Panicles of the C4 Model Grasses <i>Setaria viridis</i> (L.) and <i>S. pumila</i> Host Distinct Bacterial Assemblages With Core Taxa Conserved Across Host Genotypes and Sampling Sites. <i>Frontiers in Microbiology</i> , 2018, 9, 2708.	1.5	15
30	The contribution of plant microbiota to economy growth. <i>Microbial Biotechnology</i> , 2018, 11, 801-805.	2.0	34
31	Qualitative analysis of biosurfactants from <i>Bacillus</i> species exhibiting antifungal activity. <i>PLoS ONE</i> , 2018, 13, e0198107.	1.1	71
32	Complete genome sequence of the heavy metal resistant bacterium <i>Agromyces aureus</i> AR33T and comparison with related Actinobacteria. <i>Standards in Genomic Sciences</i> , 2017, 12, 2.	1.5	15
33	Ecology and Genomic Insights into Plant-Pathogenic and Plant-Nonpathogenic Endophytes. <i>Annual Review of Phytopathology</i> , 2017, 55, 61-83.	3.5	353
34	Rhizosphere microbiomes of potato cultivated in the High Andes show stable and dynamic core microbiomes with different responses to plant development. <i>FEMS Microbiology Ecology</i> , 2017, 93, fiw242.	1.3	114
35	Secondary metabolite genes encoded by potato rhizosphere microbiomes in the Andean highlands are diverse and vary with sampling site and vegetation stage. <i>Scientific Reports</i> , 2017, 7, 2330.	1.6	23
36	Comparative genome analysis of the vineyard weed endophyte <i>Pseudomonas viridiflava</i> CDRTc14 showing selective herbicidal activity. <i>Scientific Reports</i> , 2017, 7, 17336.	1.6	24

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37	Shared and host-specific microbiome diversity and functioning of grapevine and accompanying weed plants. <i>Environmental Microbiology</i> , 2017, 19, 1407-1424.	1.8	100
38	Antimicrobial Drimane Sesquiterpenes Contribute to Balanced Antagonism but Do Not Structure Bacterial and Fungal Endophytes in the African Pepper Bark Tree <i>Warburgia ugandensis</i> . <i>Frontiers in Ecology and Evolution</i> , 2017, 5, .	1.1	1
39	A New Approach to Modify Plant Microbiomes and Traits by Introducing Beneficial Bacteria at Flowering into Progeny Seeds. <i>Frontiers in Microbiology</i> , 2017, 8, 11.	1.5	313
40	Plants Assemble Species Specific Bacterial Communities from Common Core Taxa in Three Arcto-Alpine Climate Zones. <i>Frontiers in Microbiology</i> , 2017, 8, 12.	1.5	60
41	Back to the Future of Soil Metagenomics. <i>Frontiers in Microbiology</i> , 2016, 7, 73.	1.5	120
42	Surfactin variants mediate species-specific biofilm formation and root colonization in <i>Bacillus</i> . <i>Environmental Microbiology</i> , 2016, 18, 2634-2645.	1.8	99
43	The role of plant-microbiome interactions in weed establishment and control. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw138.	1.3	77
44	High-Quality Draft Genome Sequence of an Endophytic <i>Pseudomonas viridiflava</i> Strain with Herbicidal Properties against Its Host, the Weed <i>Lepidium draba</i> L. <i>Genome Announcements</i> , 2016, 4, .	0.8	12
45	Biocontrol and plant growth promoting properties of <i>Streptomyces mutabilis</i> strain IA1 isolated from a Saharan soil on wheat seedlings and visualization of its niches of colonization. <i>South African Journal of Botany</i> , 2016, 105, 234-239.	1.2	55
46	Editorial: Special thematic issue on microbe-assisted crop production. <i>FEMS Microbiology Ecology</i> , 2016, 92, fiw167.	1.3	3
47	Plant-microbe partnerships in 2020. <i>Microbial Biotechnology</i> , 2016, 9, 635-640.	2.0	72
48	The Draft Genome Sequence of <i>Paenibacillus polymyxa</i> Strain CCI-25 Encompasses High Potential for Secondary Metabolite Production. <i>Genome Announcements</i> , 2016, 4, .	0.8	3
49	Draft Genome Sequence of Biocontrol Agent <i>Pythium oligandrum</i> Strain Po37, an Oomycota. <i>Genome Announcements</i> , 2016, 4, .	0.8	21
50	Grapevine colonization by endophytic bacteria shifts secondary metabolism and suggests activation of defense pathways. <i>Plant and Soil</i> , 2016, 405, 155-175.	1.8	46
51	<i>Agromyces aureus</i> sp. nov., isolated from the rhizosphere of <i>Salix caprea</i> L. grown in a heavy-metal-contaminated soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3749-3754.	0.8	21
52	21st century agriculture: integration of plant microbiomes for improved crop production and food security. <i>Microbial Biotechnology</i> , 2015, 8, 32-33.	2.0	101
53	Effect of different heterotrophic plate count methods on the estimation of the composition of the culturable microbial community. <i>PeerJ</i> , 2015, 3, e862.	0.9	27
54	The genomes of closely related <i>Pantoea ananatis</i> maize seed endophytes having different effects on the host plant differ in secretion system genes and mobile genetic elements. <i>Frontiers in Microbiology</i> , 2015, 6, 440.	1.5	85

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55	Combined amendment of immobilizers and the plant growth-promoting strain Burkholderia phytofirmans PsJN favours plant growth and reduces heavy metal uptake. Soil Biology and Biochemistry, 2015, 91, 140-150.	4.2	88
56	The Hidden World within Plants: Ecological and Evolutionary Considerations for Defining Functioning of Microbial Endophytes. Microbiology and Molecular Biology Reviews, 2015, 79, 293-320.	2.9	1,895
57	Characterization of endophytic bacteria from cucurbit fruits with potential benefits to agriculture in melons (<i>Cucumis melo</i> L.). FEMS Microbiology Ecology, 2015, 91, fiv074.	1.3	60
58	Genome mining: Prediction of lipopeptides and polyketides from Bacillus and related Firmicutes. Computational and Structural Biotechnology Journal, 2015, 13, 192-203.	1.9	127
59	Draft Genome Sequences of 10 <i>Microbacterium</i> spp., with Emphasis on Heavy Metal-Contaminated Environments. Genome Announcements, 2015, 3, .	0.8	19
60	Transcriptome Profiling of the Endophyte Burkholderia phytofirmans PsJN Indicates Sensing of the Plant Environment and Drought Stress. MBio, 2015, 6, e00621-15.	1.8	132
61	L-Tryptophan-dependent biosynthesis of indole-3-acetic acid (IAA) improves plant growth and colonization of maize by Burkholderia phytofirmans PsJN. Annals of Microbiology, 2015, 65, 1381-1389.	1.1	65
62	Deciphering the Niches of Colonisation of Vitis vinifera L. by the Esca-Associated Fungus Phaeoacremonium aleophilum Using a gfp Marked Strain and Cutting Systems. PLoS ONE, 2015, 10, e0126851.	1.1	27
63	Literature search and data collection on RA for human health for microorganisms used as plant protection products. EFSA Supporting Publications, 2015, 12, 801E.	0.3	0
64	Antimicrobial drimane sesquiterpenes and their effect on endophyte communities in the medical tree Warburgia ugandensis. Frontiers in Microbiology, 2014, 5, 13.	1.5	33
65	The Role of Microbial Inoculants in Integrated Crop Management Systems. Potato Research, 2014, 57, 291-309.	1.2	42
66	Draft Genome Sequence of <i>Phaeomoniella chlamydospora</i> Strain RR-HG1, a Grapevine Trunk Disease (Esca)-Related Member of the Ascomycota. Genome Announcements, 2014, 2, .	0.8	17
67	Drought stress amelioration in wheat through inoculation with Burkholderia phytofirmans strain PsJN. Plant Growth Regulation, 2014, 73, 121-131.	1.8	286
68	Increased drought stress resilience of maize through endophytic colonization by Burkholderia phytofirmans PsJN and Enterobacter sp. FD17. Environmental and Experimental Botany, 2014, 97, 30-39.	2.0	423
69	Interkingdom Transfer of the Acne-Causing Agent, Propionibacterium acnes, from Human to Grapevine. Molecular Biology and Evolution, 2014, 31, 1059-1065.	3.5	54
70	Improved group-specific primers based on the full SILVA 16S rRNA gene reference database. Environmental Microbiology, 2014, 16, 2389-2407.	1.8	59
71	Cadmium-tolerant bacteria induce metal stress tolerance in cereals. Environmental Science and Pollution Research, 2014, 21, 11054-11065.	2.7	117
72	Metabolic potential of endophytic bacteria. Current Opinion in Biotechnology, 2014, 27, 30-37.	3.3	496

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73	The endophyte <i>Enterobacter</i> sp. FD17: a maize growth enhancer selected based on rigorous testing of plant beneficial traits and colonization characteristics. <i>Biology and Fertility of Soils</i> , 2014, 50, 249-262.	2.3	133
74	Evaluation of quantitative PCR combined with PMA treatment for molecular assessment of microbial water quality. <i>Water Research</i> , 2014, 67, 367-376.	5.3	73
75	Endophytic bacteria: Prospects and applications for the phytoremediation of organic pollutants. <i>Chemosphere</i> , 2014, 117, 232-242.	4.2	308
76	Fungal and bacterial utilization of organic substrates depends on substrate complexity and N availability. <i>FEMS Microbiology Ecology</i> , 2014, 87, 142-152.	1.3	108
77	Remarkable Recovery and Colonization Behaviour of Methane Oxidizing Bacteria in Soil After Disturbance Is Controlled by Methane Source Only. <i>Microbial Ecology</i> , 2014, 68, 259-270.	1.4	20
78	SPR bacterial pathogen biosensor: The importance of fluidic conditions and probing depth. <i>Talanta</i> , 2014, 122, 166-171.	2.9	16
79	Cr-resistant rhizo- and endophytic bacteria associated with <i>Prosopis juliflora</i> and their potential as phytoremediation enhancing agents in metal-degraded soils. <i>Frontiers in Plant Science</i> , 2014, 5, 755.	1.7	114
80	The new species <i>Enterobacter oryziphilus</i> sp. nov. and <i>Enterobacter oryzendophyticus</i> sp. nov. are key inhabitants of the endosphere of rice. <i>BMC Microbiology</i> , 2013, 13, 164.	1.3	55
81	Advances in Elucidating Beneficial Interactions Between Plants, Soil, and Bacteria. <i>Advances in Agronomy</i> , 2013, , 381-445.	2.4	86
82	Microbial ecology of biogeochemical interfaces - diversity, structure, and function of microhabitats in soil. <i>FEMS Microbiology Ecology</i> , 2013, 86, 1-2.	1.3	22
83	Propidium monoazide-quantitative polymerase chain reaction for viable <i>Escherichia coli</i> and <i>Pseudomonas</i> detection from abundant background microflora. <i>Analytical Biochemistry</i> , 2013, 441, 69-72.	1.1	14
84	Use of beneficial bacteria and their secondary metabolites to control grapevine pathogen diseases. <i>BioControl</i> , 2013, 58, 435-455.	0.9	109
85	The role of plant-associated bacteria in the mobilization and phytoextraction of trace elements in contaminated soils. <i>Soil Biology and Biochemistry</i> , 2013, 60, 182-194.	4.2	566
86	Seasonal variation in functional properties of microbial communities in beech forest soil. <i>Soil Biology and Biochemistry</i> , 2013, 60, 95-104.	4.2	131
87	Bacterially Induced Weathering of Ultramafic Rock and Its Implications for Phytoextraction. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5094-5103.	1.4	44
88	Comparative genome analysis of <i>Burkholderia</i> phytofirmans PsjN reveals a wide spectrum of endophytic lifestyles based on interaction strategies with host plants. <i>Frontiers in Plant Science</i> , 2013, 4, 120.	1.7	219
89	Potential of Rhizosphere Bacteria for Improving Rhizobium-Legume Symbiosis. , 2013, , 305-349.		11
90	Regulon Studies and <i>In Planta</i> Role of the Brl/R Quorum-Sensing System in the Plant-Beneficial <i>Burkholderia</i> Cluster. <i>Applied and Environmental Microbiology</i> , 2013, 79, 4421-4432.	1.4	32

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91	Meeting Report: 1st International Functional Metagenomics Workshop May 7-8, 2012, St. Jacobs, Ontario, Canada.. Standards in Genomic Sciences, 2013, 8, 106-111.	1.5	2
92	The Effect of Primer Choice and Short Read Sequences on the Outcome of 16S rRNA Gene Based Diversity Studies. PLoS ONE, 2013, 8, e71360.	1.1	121
93	Spirosoma endophyticum sp. nov., isolated from Zn- and Cd-accumulating Salix caprea. International Journal of Systematic and Evolutionary Microbiology, 2013, 63, 4586-4590.	0.8	44
94	Characterization of Two Bacterial Hydroxynitrile Lyases with High Similarity to Cupin Superfamily Proteins. Applied and Environmental Microbiology, 2012, 78, 2053-2055.	1.4	18
95	Genetically modified Bt maize lines containing cry3Bb1, cry1A105 or cry1Ab2 do not affect the structure and functioning of root-associated endophyte communities. Applied Soil Ecology, 2012, 54, 39-48.	2.1	56
96	Combining microdilution with MicroResp [®] : Microbial substrate utilization, antimicrobial susceptibility and respiration. Journal of Microbiological Methods, 2012, 88, 399-412.	0.7	12
97	Methylobacterium-Induced Endophyte Community Changes Correspond with Protection of Plants against Pathogen Attack. PLoS ONE, 2012, 7, e46802.	1.1	118
98	The Inoculation Method Affects Colonization and Performance of Bacterial Inoculant Strains in the Phytoremediation of Soil Contaminated with Diesel Oil. International Journal of Phytoremediation, 2012, 14, 35-47.	1.7	156
99	Functional Characteristics of an Endophyte Community Colonizing Rice Roots as Revealed by Metagenomic Analysis. Molecular Plant-Microbe Interactions, 2012, 25, 28-36.	1.4	613
100	Microbial Diagnostic Microarrays for the Detection and Typing of Food- and Water-Borne (Bacterial) Pathogens. Microarrays (Basel, Switzerland), 2012, 1, 3-24.	1.4	25
101	The 125th anniversary of the first postulation of the soil origin of endophytic bacteria – a tribute to M.L.V. Galippe. Plant and Soil, 2012, 356, 299-301.	1.8	45
102	Effects of season and experimental warming on the bacterial community in a temperate mountain forest soil assessed by 16S rRNA gene pyrosequencing. FEMS Microbiology Ecology, 2012, 82, 551-562.	1.3	128
103	Rapid and dissimilar response of ammonia oxidizing archaea and bacteria to nitrogen and water amendment in two temperate forest soils. Microbiological Research, 2012, 167, 103-109.	2.5	60
104	Long-Range Surface Plasmon-Enhanced Fluorescence Spectroscopy Biosensor for Ultrasensitive Detection of <i>E. coli</i> O157:H7. Analytical Chemistry, 2011, 83, 674-677.	3.2	115
105	Persistence of Two <i>Campylobacter jejuni</i> Strains in Soil and on Spinach Plants. Applied and Environmental Soil Science, 2011, 2011, 1-7.	0.8	7
106	Persistence and spread of Salmonella enterica serovar Weltevreden in soil and on spinach plants. FEMS Microbiology Letters, 2011, 314, 67-74.	0.7	36
107	Rice root-associated bacteria: insights into community structures across 10 cultivars. FEMS Microbiology Ecology, 2011, 77, 154-164.	1.3	183
108	Analysis of methanotroph community composition using a pmoA-based microbial diagnostic microarray. Nature Protocols, 2011, 6, 609-624.	5.5	34

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109	Seasonality and resource availability control bacterial and archaeal communities in soils of a temperate beech forest. <i>ISME Journal</i> , 2011, 5, 389-402.	4.4	273
110	Community profiling and gene expression of fungal assimilatory nitrate reductases in agricultural soil. <i>ISME Journal</i> , 2011, 5, 1771-1783.	4.4	67
111	Microbial processes and community composition in the rhizosphere of European beech—The influence of plant C exudates. <i>Soil Biology and Biochemistry</i> , 2011, 43, 551-558.	4.2	170
112	Experimental warming effects on the microbial community of a temperate mountain forest soil. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1417-1425.	4.2	294
113	Hydrocarbon degradation, plant colonization and gene expression of alkane degradation genes by endophytic <i>Enterobacter ludwigii</i> strains. <i>Environmental Pollution</i> , 2011, 159, 2675-2683.	3.7	164
114	Interactions between accumulation of trace elements and macronutrients in <i>Salix caprea</i> after inoculation with rhizosphere microorganisms. <i>Chemosphere</i> , 2011, 84, 1256-1261.	4.2	66
115	Greenhouse gas fluxes respond to different N fertilizer types due to altered plant-soil-microbe interactions. <i>Plant and Soil</i> , 2011, 343, 17-35.	1.8	37
116	Metagenomic analysis of the 1-aminocyclopropane-1-carboxylate deaminase gene (<i>acdS</i>) operon of an uncultured bacterial endophyte colonizing <i>Solanum tuberosum</i> L. <i>Archives of Microbiology</i> , 2011, 193, 665-676.	1.0	56
117	Endophytes of Grapevine Flowers, Berries, and Seeds: Identification of Cultivable Bacteria, Comparison with Other Plant Parts, and Visualization of Niches of Colonization. <i>Microbial Ecology</i> , 2011, 62, 188-197.	1.4	437
118	Soil type affects plant colonization, activity and catabolic gene expression of inoculated bacterial strains during phytoremediation of diesel. <i>Journal of Hazardous Materials</i> , 2011, 186, 1568-1575.	6.5	165
119	Verocytotoxin-producing <i>Escherichia coli</i> in Chamois (<i>Rupicapra rupicapra</i>) and Cattle in Austria. <i>Journal of Wildlife Diseases</i> , 2011, 47, 704-708.	0.3	3
120	Complete Genome Sequence of the Plant Growth-Promoting Endophyte <i>Burkholderia phytofirmans</i> Strain PsjN. <i>Journal of Bacteriology</i> , 2011, 193, 3383-3384.	1.0	144
121	Plants control the seasonal dynamics of microbial N cycling in a beech forest soil by belowground C allocation. <i>Ecology</i> , 2011, 92, 1036-1051.	1.5	118
122	Microarray Analysis Reveals the Actual Specificity of Enrichment Media Used for Food Safety Assessment. <i>Journal of Food Protection</i> , 2011, 74, 1030-1034.	0.8	11
123	Plants control the seasonal dynamics of microbial N cycling in a beech forest soil by belowground C allocation. <i>Ecology</i> , 2011, 92, 1036-1051.	1.5	19
124	Plant growth-promoting bacteria in the rhizo- and endosphere of plants: Their role, colonization, mechanisms involved and prospects for utilization. <i>Soil Biology and Biochemistry</i> , 2010, 42, 669-678.	4.2	1,806
125	Microbial diagnostic microarray for food- and water-borne pathogens. <i>Microbial Biotechnology</i> , 2010, 3, 444-454.	2.0	19
126	Phylogenetic and functional diversity of alkane degrading bacteria associated with Italian ryegrass (<i>Lolium multiflorum</i>) and Birdsfoot trefoil (<i>Lotus corniculatus</i>) in a petroleum oil-contaminated environment. <i>Journal of Hazardous Materials</i> , 2010, 184, 523-532.	6.5	128

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127	Belowground carbon allocation by trees drives seasonal patterns of extracellular enzyme activities by altering microbial community composition in a beech forest soil. <i>New Phytologist</i> , 2010, 187, 843-858.	3.5	337
128	Nitrifiers and denitrifiers respond rapidly to changed moisture and increasing temperature in a pristine forest soil. <i>FEMS Microbiology Ecology</i> , 2010, 72, 395-406.	1.3	228
129	Climate change effects on beneficial plant-microorganism interactions. <i>FEMS Microbiology Ecology</i> , 2010, 73, no-no.	1.3	443
130	Dynamics of ammonia-oxidizing communities in barley-planted bulk soil and rhizosphere following nitrate and ammonium fertilizer amendment. <i>FEMS Microbiology Ecology</i> , 2010, 74, 575-591.	1.3	93
131	Culturable bacteria from Zn- and Cd-accumulating <i>Salix caprea</i> with differential effects on plant growth and heavy metal availability. <i>Journal of Applied Microbiology</i> , 2010, 108, 1471-1484.	1.4	209
132	Hydrocarbon degradation and plant colonization by selected bacterial strains isolated from Italian ryegrass and birdsfoot trefoil. <i>Journal of Applied Microbiology</i> , 2010, 109, 1389-1401.	1.4	82
133	Phage-type specific markers identified by Diversity Arrays Technology (DART) analysis of <i>Salmonella enterica</i> ssp. <i>enterica</i> serovars Enteritidis and Typhimurium. <i>Journal of Microbiological Methods</i> , 2010, 80, 100-105.	0.7	1
134	Environmental Impact of Genetically Modified Maize Expressing Cry1 Proteins. <i>Biotechnology in Agriculture and Forestry</i> , 2010, , 575-614.	0.2	2
135	A cost-effective high-throughput microcosm system for studying nitrogen dynamics at the plant-microbe-soil interface. <i>Plant and Soil</i> , 2009, 317, 293-307.	1.8	26
136	Contrasting response of two forest soils to nitrogen input: rapidly altered NO and N ₂ O emissions and nirK abundance. <i>Biology and Fertility of Soils</i> , 2009, 45, 855-863.	2.3	41
137	DNA-based stable isotope probing enables the identification of active bacterial endophytes in potatoes. <i>New Phytologist</i> , 2009, 181, 802-807.	3.5	53
138	Diversity of abundant bacteria in subsurface vertical flow constructed wetlands. <i>Ecological Engineering</i> , 2009, 35, 1021-1025.	1.6	35
139	Expression of alkane monooxygenase (alkB) genes by plant-associated bacteria in the rhizosphere and endosphere of Italian ryegrass (<i>Lolium multiflorum</i> L.) grown in diesel contaminated soil. <i>Environmental Pollution</i> , 2009, 157, 3347-3350.	3.7	126
140	Grazing affects methanotroph activity and diversity in an alpine meadow soil. <i>Environmental Microbiology Reports</i> , 2009, 1, 457-465.	1.0	38
141	Rhizosphere bacteria affect growth and metal uptake of heavy metal accumulating willows. <i>Plant and Soil</i> , 2008, 304, 35-44.	1.8	247
142	Endophytic colonization of <i>Vitis vinifera</i> L. by <i>Burkholderia phytofirmans</i> strain PsJN: from the rhizosphere to inflorescence tissues. <i>FEMS Microbiology Ecology</i> , 2008, 63, 84-93.	1.3	213
143	Nitrogen fixation by phyllosphere bacteria associated with higher plants and their colonizing epiphytes of a tropical lowland rainforest of Costa Rica. <i>ISME Journal</i> , 2008, 2, 561-570.	4.4	218
144	Development of an oligonucleotide microarray method for <i>Salmonella</i> serotyping. <i>Microbial Biotechnology</i> , 2008, 1, 513-522.	2.0	16

#	ARTICLE	IF	CITATIONS
145	Endophytes and Rhizosphere Bacteria of Plants Growing in Heavy Metal-Containing Soils. <i>Soil Biology</i> , 2008, , 317-332.	0.6	21
146	<i>Ochrobactrum rhizosphaerae</i> sp. nov. and <i>Ochrobactrum thiopenivorans</i> sp. nov., isolated from the environment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2008, 58, 1426-1431.	0.8	55
147	MLST-v, multilocus sequence typing based on virulence genes, for molecular typing of <i>Salmonella enterica</i> subsp. <i>enterica</i> serovars. <i>Journal of Microbiological Methods</i> , 2007, 69, 23-36.	0.7	49
148	Bacterial endophytes contribute to abiotic stress adaptation in pepper plants (<i>Capsicum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T 274	0.8	274
149	A microbial diagnostic microarray technique for the sensitive detection and identification of pathogenic bacteria in a background of nonpathogens. <i>Analytical Biochemistry</i> , 2007, 360, 244-254.	1.1	60
150	Chilling and cultivar type affect the diversity of bacterial endophytes colonizing sweet pepper (<i>Capsicum annuum</i> L.). <i>Canadian Journal of Microbiology</i> , 2006, 52, 1036-1045.	0.8	76
151	mRNA-Based Parallel Detection of Active Methanotroph Populations by Use of a Diagnostic Microarray. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1672-1676.	1.4	87
152	Bacterial endophytes of the wildflower <i>Crocus albiflorus</i> analyzed by characterization of isolates and by a cultivation-independent approach. <i>Canadian Journal of Microbiology</i> , 2006, 52, 140-149.	0.8	77
153	16S rRNA based T-RFLP analysis of methane oxidising bacteria – Assessment, critical evaluation of methodology performance and application for landfill site cover soils. <i>Applied Soil Ecology</i> , 2006, 31, 251-266.	2.1	44
154	Diagnostic microbial microarrays in soil ecology. <i>New Phytologist</i> , 2006, 171, 719-736.	3.5	83
155	Rhizosphere bacteria affected by transgenic potatoes with antibacterial activities compared with the effects of soil, wild-type potatoes, vegetation stage and pathogen exposure. <i>FEMS Microbiology Ecology</i> , 2006, 56, 219-235.	1.3	143
156	The Rhizosphere: – soil compartment influenced by the root –™. <i>FEMS Microbiology Ecology</i> , 2006, 56, 165-165.	1.3	28
157	Impact of transgenic potatoes expressing anti-bacterial agents on bacterial endophytes is comparable with the effects of plant genotype, soil type and pathogen infection. <i>Journal of Applied Ecology</i> , 2006, 43, 555-566.	1.9	135
158	Structural characteristics and plant-beneficial effects of bacteria colonizing the shoots of field grown conventional and genetically modified T4-lysozyme producing potatoes. <i>Plant and Soil</i> , 2006, 289, 123-140.	1.8	54
159	Characterization of Ni-tolerant methylobacteria associated with the hyperaccumulating plant <i>Thlaspi goesingense</i> and description of <i>Methylobacterium goesingense</i> sp. nov.. <i>Systematic and Applied Microbiology</i> , 2006, 29, 634-644.	1.2	81
160	High-sensitivity, polymerase chain reaction-free detection of microorganisms and their functional genes using 70-mer oligonucleotide diagnostic microarray. <i>Analytical Biochemistry</i> , 2005, 346, 333-335.	1.1	19
161	Activity of microorganisms in the rhizosphere of herbicide treated and untreated transgenic glufosinate-tolerant and wildtype oilseed rape grown in containment. <i>Plant and Soil</i> , 2005, 266, 105-116.	1.8	46
162	<i>Burkholderia phytofirmans</i> sp. nov., a novel plant-associated bacterium with plant-beneficial properties. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005, 55, 1187-1192.	0.8	322

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163	Endophytic Colonization of <i>Vitis vinifera</i> L. by Plant Growth-Promoting Bacterium <i>Burkholderia</i> sp. Strain PsJN. <i>Applied and Environmental Microbiology</i> , 2005, 71, 1685-1693.	1.4	718
164	Comparison of Diversities and Compositions of Bacterial Populations Inhabiting Natural Forest Soils. <i>Applied and Environmental Microbiology</i> , 2004, 70, 5057-5065.	1.4	179
165	Optimization of diagnostic microarray for application in analysing landfill methanotroph communities under different plant covers. <i>Environmental Microbiology</i> , 2004, 6, 347-363.	1.8	183
166	Bacterial Communities Associated with Flowering Plants of the Ni Hyperaccumulator <i>Thlaspi goessingense</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 2667-2677.	1.4	477
167	Oligonucleotide microarrays in microbial diagnostics. <i>Current Opinion in Microbiology</i> , 2004, 7, 245-245.	2.3	0
168	Effects of level and quality of organic matter input on carbon storage and biological activity in soil: Synthesis of a long-term experiment. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	1.9	61
169	Endophytic bacterial communities of field-grown potato plants and their plant-growth-promoting and antagonistic abilities. <i>Canadian Journal of Microbiology</i> , 2004, 50, 239-249.	0.8	323
170	Oligonucleotide microarrays in microbial diagnostics. <i>Current Opinion in Microbiology</i> , 2004, 7, 245-254.	2.3	241
171	Endophytic <i>Pseudomonas</i> spp. populations of pathogen-infected potato plants analysed by 16S rDNA- and 16S rRNA-based denaturing gradient gel electrophoresis. <i>Plant and Soil</i> , 2003, 257, 397-405.	1.8	38
172	Molecular diversity in the bacterial community and the fluorescent pseudomonads group in natural and chlorobenzoate-stressed peat-forest soil. <i>Microbiological Research</i> , 2003, 158, 47-54.	2.5	8
173	Development and validation of a diagnostic microbial microarray for methanotrophs. <i>Environmental Microbiology</i> , 2003, 5, 566-582.	1.8	269
174	Micro-scale distribution of microorganisms and microbial enzyme activities in a soil with long-term organic amendment. <i>European Journal of Soil Science</i> , 2003, 54, 715-724.	1.8	115
175	Endophytic nifH gene diversity in African sweet potato. <i>Canadian Journal of Microbiology</i> , 2003, 49, 549-555.	0.8	87
176	Diversity and community structure of culturable <i>Bacillus</i> spp. populations in the rhizospheres of transgenic potatoes expressing the lytic peptide cecropin B. <i>Applied Soil Ecology</i> , 2003, 22, 149-158.	2.1	44
177	Response of organic matter pools and enzyme activities in particle size fractions to organic amendments in a long-term field experiment. <i>Developments in Soil Science</i> , 2002, , 329-344.	0.5	12
178	Advances in Rhizobium Research. <i>Critical Reviews in Plant Sciences</i> , 2002, 21, 323-378.	2.7	246
179	Response of Endophytic Bacterial Communities in Potato Plants to Infection with <i>Erwinia carotovora</i> subsp. <i>atroseptica</i> . <i>Applied and Environmental Microbiology</i> , 2002, 68, 2261-2268.	1.4	253
180	Bacterial rhizosphere populations of black poplar and herbal plants to be used for phytoremediation of diesel fuel. <i>Soil Biology and Biochemistry</i> , 2002, 34, 1883-1892.	4.2	100

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181	RNA isolation from soil for bacterial community and functional analysis: evaluation of different extraction and soil conservation protocols. <i>Journal of Microbiological Methods</i> , 2002, 51, 171-179.	0.7	84
182	Cultivation-independent population analysis of bacterial endophytes in three potato varieties based on eubacterial and Actinomycetes-specific PCR of 16S rRNA genes. <i>FEMS Microbiology Ecology</i> , 2002, 39, 23-32.	1.3	257
183	Effects of transgenic glufosinate-tolerant oilseed rape (<i>Brassica napus</i>) and the associated herbicide application on eubacterial and <i>Pseudomonas</i> communities in the rhizosphere. <i>FEMS Microbiology Ecology</i> , 2002, 41, 181-190.	1.3	91
184	Microbial Population Structures in Soil Particle Size Fractions of a Long-Term Fertilizer Field Experiment. <i>Applied and Environmental Microbiology</i> , 2001, 67, 4215-4224.	1.4	623
185	Bacterial Community Changes and Enrichment of Burkholderia-like Bacteria Induced by Chlorinated Benzoates in a Peat-Forest Soil-Microcosm. <i>Systematic and Applied Microbiology</i> , 2000, 23, 591-598.	1.2	22
186	Use of marker genes in competition studies of <i>Rhizobium</i> . <i>Plant and Soil</i> , 1998, 204, 35-45.	1.8	28
187	Analysis of Phaseolus-Rhizobium interactions in a subsistence farming system. <i>Plant and Soil</i> , 1998, 204, 107-115.	1.8	19
188	Title is missing!. <i>Plant and Soil</i> , 1998, 204, 147-154.	1.8	24
189	Use of marker genes in competition studies of <i>Rhizobium</i> . , 1998, , 35-45.		12
190	Measurement of the competitiveness index of <i>Rhizobium tropici</i> strain CIAT899 derivatives marked with the <i>gusA</i> gene. <i>Soil Biology and Biochemistry</i> , 1997, 29, 1099-1110.	4.2	33
191	Characterization of <i>Rhizobium etli</i> and other <i>Rhizobium</i> spp. that nodulate <i>Phaseolus vulgaris</i> L. in an Austrian soil. <i>Molecular Ecology</i> , 1997, 6, 601-608.	2.0	38
192	Simultaneous detection of different <i>Rhizobium</i> strains marked with either the <i>Escherichia coli gusA</i> gene or the <i>Pyrococcus furiosus celB</i> gene. <i>Applied and Environmental Microbiology</i> , 1996, 62, 4191-4194.	1.4	25
193	Molecular ecology of microbes: A review of promises, pitfalls and true progress. <i>FEMS Microbiology Reviews</i> , 1994, 15, 185-194.	3.9	58
194	Microbiome Research as an Effective Driver of Success Stories in Agrifood Systems – A Selection of Case Studies. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	10