

Anna Kristina Lindström

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62
papers

3,027
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g-index

63
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3,533
ext. citations

3.9
avg, IF

5.24
L-index

#	Paper	IF	Citations
62	Nitrogen-fixing bacteria associated with leguminous and non-leguminous plants. <i>Plant and Soil</i> , 2009 , 321, 35-59	4.2	458
61	Extraction and purification of DNA in rhizosphere soil samples for PCR-DGGE analysis of bacterial consortia. <i>Journal of Microbiological Methods</i> , 2001 , 45, 155-65	2.8	148
60	AFLP fingerprinting as a tool to study the genetic diversity of <i>Rhizobium galegae</i> isolated from <i>Galega orientalis</i> and <i>Galega officinalis</i> . <i>Journal of Biotechnology</i> , 2001 , 91, 169-80	3.7	145
59	Phylogeny of the <i>Rhizobium</i> - <i>Allorhizobium</i> - <i>Agrobacterium</i> clade supports the delineation of <i>Neorhizobium</i> gen. nov. <i>Systematic and Applied Microbiology</i> , 2014 , 37, 208-15	4.2	141
58	The diversity and anti-microbial activity of endophytic actinomycetes isolated from medicinal plants in Panxi plateau, China. <i>Current Microbiology</i> , 2011 , 62, 182-90	2.4	132
57	<i>Sinorhizobium arboris</i> sp. nov. and <i>Sinorhizobium kostiense</i> sp. nov., isolated from leguminous trees in Sudan and Kenya. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999 , 49 Pt 4, 1359-68	2.2	105
56	Grain Legume Production and Use in European Agricultural Systems. <i>Advances in Agronomy</i> , 2017 , 235-303	3.7	101
55	Alleviation of salt stress of symbiotic <i>Galega officinalis</i> L. (goatwreue) by co-inoculation of <i>Rhizobium</i> with root-colonizing <i>Pseudomonas</i> . <i>Plant and Soil</i> , 2013 , 369, 453-465	4.2	98
54	The biodiversity of beneficial microbe-host mutualism: the case of rhizobia. <i>Research in Microbiology</i> , 2010 , 161, 453-63	4	96
53	Minimal standards for the description of new genera and species of rhizobia and agrobacteria. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019 , 69, 1852-1863	2.2	94
52	Effectiveness of nitrogen fixation in rhizobia. <i>Microbial Biotechnology</i> , 2020 , 13, 1314-1335	6.3	94
51	Biogeography of symbiotic and other endophytic bacteria isolated from medicinal <i>Glycyrrhiza</i> species in China. <i>FEMS Microbiology Ecology</i> , 2012 , 79, 46-68	4.3	83
50	<i>Agrobacterium</i> bv. 1 Strains Isolated from Nodules of Tropical Legumes. <i>Systematic and Applied Microbiology</i> , 1999 , 22, 119-132	4.2	83
49	Phylogeny and genetic diversity of native rhizobia nodulating common bean (<i>Phaseolus vulgaris</i> L.) in Ethiopia. <i>Systematic and Applied Microbiology</i> , 2012 , 35, 120-31	4.2	76
48	Genetic diversity and phylogeny of rhizobia isolated from agroforestry legume species in southern Ethiopia. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2005 , 55, 1439-1452	2.2	72
47	<i>Mesorhizobium septentrionale</i> sp. nov. and <i>Mesorhizobium temperatum</i> sp. nov., isolated from <i>Astragalus adsurgens</i> growing in the northern regions of China. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2004 , 54, 2003-2012	2.2	71
46	Genetic diversity of rhizobia isolated from <i>Astragalus adsurgens</i> growing in different geographical regions of China. <i>Journal of Biotechnology</i> , 2001 , 91, 155-68	3.7	65

45	Rhizobia Isolated from Root Nodules of Tropical Leguminous Trees Characterized Using DNA-DNA dot-blot Hybridisation and rep-PCR Genomic Fingerprinting. <i>Systematic and Applied Microbiology</i> , 1999 , 22, 287-299	4.2	56
44	A synergistic interaction between salt-tolerant <i>Pseudomonas</i> and <i>Mesorhizobium</i> strains improves growth and symbiotic performance of liquorice (<i>Glycyrrhiza uralensis</i> Fish.) under salt stress. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 2829-41	5.7	55
43	Structure of the <i>Mesorhizobium huakuii</i> and <i>Rhizobium galegae</i> Nod factors: a cluster of phylogenetically related legumes are nodulated by rhizobia producing Nod factors with alpha,beta-unsaturated N-acyl substitutions. <i>Molecular Microbiology</i> , 1999 , 34, 227-37	4.1	51
42	Symbiotic nitrogen fixation of <i>Rhizobium</i> (<i>Galega</i>) in acid soils, and its survival in soil under acid and cold stress. <i>Plant and Soil</i> , 1985 , 87, 293-302	4.2	46
41	Phylogenetically diverse groups of <i>Bradyrhizobium</i> isolated from nodules of <i>Crotalaria</i> spp., <i>Indigofera</i> spp., <i>Erythrina brucei</i> and <i>Glycine max</i> growing in Ethiopia. <i>Molecular Phylogenetics and Evolution</i> , 2012 , 65, 595-609	4.1	43
40	Soil mesocosm studies on atrazine bioremediation. <i>Journal of Environmental Management</i> , 2014 , 139, 208-16	7.9	42
39	Use of Repetitive Sequences and the Polymerase Chain Reaction to Fingerprint the Genomic DNA of <i>Rhizobium galegae</i> Strains and to Identify the DNA Obtained by Sonicating the Liquid Cultures and Root Nodules. <i>Systematic and Applied Microbiology</i> , 1994 , 17, 265-273	4.2	42
38	Diversity of Partial 16S rRNA Sequences Among and Within Strains of African <i>Rhizobium</i> Isolated from <i>Acacia</i> and <i>Prosopis</i> . <i>Systematic and Applied Microbiology</i> , 1996 , 19, 352-359	4.2	40
37	Phylogeny and diversity of <i>Bradyrhizobium</i> strains isolated from the root nodules of peanut (<i>Arachis hypogaea</i>) in Sichuan, China. <i>Systematic and Applied Microbiology</i> , 1999 , 22, 378-86	4.2	37
36	The rhizospheres of traditional medicinal plants in Panxi, China, host a diverse selection of actinobacteria with antimicrobial properties. <i>Applied Microbiology and Biotechnology</i> , 2012 , 94, 1321-35	5.7	34
35	Evaluation of the roles of two compatible solutes, glycine betaine and trehalose, for the <i>Acacia senegal</i> / <i>Sinorhizobium</i> symbiosis exposed to drought stress. <i>Plant and Soil</i> , 2004 , 260, 237-251	4.2	33
34	Description of two biovars in the <i>Rhizobium galegae</i> species: biovar <i>orientalis</i> and biovar <i>officinalis</i> . <i>Systematic and Applied Microbiology</i> , 2001 , 24, 192-205	4.2	33
33	Metabolic and genomic diversity of rhizobia isolated from field standing native and exotic woody legumes in southern Ethiopia. <i>Systematic and Applied Microbiology</i> , 2004 , 27, 603-11	4.2	32
32	Analysis of factors affecting in situ nitrogenase (C ₂ H ₂) activity of <i>Galega orientalis</i> , <i>Trifolium pratense</i> and <i>Medicago sativa</i> in temperate conditions. <i>Plant and Soil</i> , 1984 , 79, 329-341	4.2	32
31	Symbiotic properties of <i>sinorhizobia</i> isolated from <i>Acacia</i> and <i>Prosopis</i> nodules in Sudan and Senegal. <i>Plant and Soil</i> , 2001 , 235, 193-210	4.2	30
30	Microbial cooperation in the rhizosphere improves liquorice growth under salt stress. <i>Bioengineered</i> , 2017 , 8, 433-438	5.7	26
29	<i>Mesorhizobium sangaii</i> sp. nov., isolated from the root nodules of <i>Astragalus luteolus</i> and <i>Astragalus ernestii</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013 , 63, 2794-2799 ²	3.2	23
28	Sensitivity of red clover rhizobia to soil acidity factors in pure culture and in symbiosis. <i>Plant and Soil</i> , 1987 , 98, 353-362	4.2	23

27	Genome sequencing of two Neorhizobium galegae strains reveals a noeT gene responsible for the unusual acetylation of the nodulation factors. <i>BMC Genomics</i> , 2014 , 15, 500	4.5	22
26	Evolution and Taxonomy of Nitrogen-Fixing Organisms with Emphasis on Rhizobia 2015 , 21-38		21
25	Silver stained polyacrylamide gels and fluorescence-based automated capillary electrophoresis for detection of amplified fragment length polymorphism patterns obtained from white-rot fungi in the genus Trametes. <i>Journal of Microbiological Methods</i> , 2000 , 41, 161-72	2.8	19
24	Genetic characterisation of endophytic actinobacteria isolated from the medicinal plants in Sichuan. <i>Annals of Microbiology</i> , 2008 , 58, 597-604	3.2	18
23	Adaptation of red clover rhizobia to low temperatures. <i>Plant and Soil</i> , 1986 , 92, 55-62	4.2	18
22	<i>Enterococcus rivorum</i> sp. nov., from water of pristine brooks. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2012 , 62, 2169-2173	2.2	17
21	Pulsed-field gel electrophoresis for genotypic comparison of Rhizobium bacteria that nodulate leguminous trees. <i>FEMS Microbiology Letters</i> , 1994 , 119, 215-220	2.9	16
20	The Diversity and Evolution of Rhizobia. <i>Microbiology Monographs</i> , 2007 , 3-41	0.8	15
19	Diversity and compatibility of peanut (<i>Arachis hypogaea</i> L.) bradyrhizobia and their host plants. <i>Plant and Soil</i> , 2003 , 255, 605-617	4.2	15
18	Lipopolysaccharide patterns in SDS-PAGE of rhizobia that nodulate leguminous trees. <i>FEMS Microbiology Letters</i> , 1993 , 107, 327-330	2.9	13
17	Host range, morphology and dna restriction patterns of bacteriophage isolates infecting <i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> . <i>Soil Biology and Biochemistry</i> , 1994 , 26, 429-437	7.5	12
16	Effect of various <i>Rhizobium trifolii</i> strains on nitrogenase (C_2H_2) activity profiles of red clover (<i>Trifolium pratense</i> cv. Venla). <i>Plant and Soil</i> , 1984 , 80, 79-89	4.2	11
15	Rhizobial inoculation improves drought tolerance, biomass and grain yields of common bean (<i>Phaseolus vulgaris</i> L.) and soybean (<i>Glycine max</i> L.) at Halaba and Boricha in Southern Ethiopia. <i>Archives of Agronomy and Soil Science</i> , 2020 , 66, 488-501	2	11
14	Genomic features separating ten strains of <i>Neorhizobium galegae</i> with different symbiotic phenotypes. <i>BMC Genomics</i> , 2015 , 16, 348	4.5	9
13	Persistence, population dynamics and competitiveness for nodulation of marker gene-tagged <i>Rhizobium galegae</i> strains in field lysimeters in the boreal climatic zone. <i>FEMS Microbiology Ecology</i> , 2003 , 46, 91-104	4.3	9
12	Effect of dinoseb on nitrogen fixation of red clover (<i>Trifolium pratense</i>). <i>Soil Biology and Biochemistry</i> , 1985 , 17, 865-869	7.5	9
11	<i>Rhizobium</i> and Other N-fixing Symbioses 2010 ,		8
10	Grouping of lignin degrading corticioid fungi based on RFLP analysis of 18S rDNA and ITS regions. <i>Mycological Research</i> , 1999 , 103, 990-996		8

9	Innovation platforms: a tool to enhance small-scale farmer potential through co-creation. <i>Development in Practice</i> , 2018 , 28, 999-1011	1.3	6
8	Competition for electrons favours N ₂ O reduction in denitrifying Bradyrhizobium isolates. <i>Environmental Microbiology</i> , 2021 , 23, 2244-2259	5.2	5
7	Genetically diverse lentil- and faba bean-nodulating rhizobia are present in soils across Central and Southern Ethiopia. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	4
6	Response of Soil Bacterial Community Diversity and Composition to Time, Fertilization, and Plant Species in a Sub-Boreal Climate. <i>Frontiers in Microbiology</i> , 2020 , 11, 1780	5.7	3
5	Properties of Rhizobium galegae and its Symbiosis with Galega sp.. <i>Journal of Plant Physiology</i> , 1988 , 132, 456-458	3.6	1
4	Identification of nodulation promoter (nod-box) regions of Rhizobium galegae		1
3	Phylogenetically diverse Bradyrhizobium genospecies nodulate Bambara groundnut (<i>Vigna subterranea</i> L. Verdc) and soybean (<i>Glycine max</i> L. Merrill) in the northern savanna zones of Ghana.. <i>FEMS Microbiology Ecology</i> , 2022 ,	4.3	1
2	Horizontal Gene Transfer and Recombination Shape Mesorhizobial Populations in the Gene Center of the Host Plants <i>Astragalus Luteolus</i> and <i>Astragalus Ernestii</i> in Sichuan, China 2011 , 49-57		
1	Stability of short and long O-chain lipopolysaccharide types in Rhizobium galegae and their correlation with symbiotic properties and growth conditions, tolerance of low pH, aluminum and salt in the growth medium. <i>FEMS Microbiology Letters</i> , 2006 , 155, 17-22	2.9	