Anna Maria PirttilÃ¤

List of Publications by Year
in descending order

89 papers	6,267 citations	81900 39 h-index	69250 77 g-index
90 all docs	90 docs citations	90 times ranked	7853 citing authors

#	Article	IF	Citations
1	Antibiotics at birth and later antibiotic courses: effects on gut microbiota. Pediatric Research, 2022, 91, 154-162.	2.3	37
2	The meristem-associated endosymbiont Methylorubrum extorquens DSM13060 reprograms development and stress responses of pine seedlings. Tree Physiology, 2022, 42, 391-410.	3.1	7
3	Microbiota of the firstâ€pass meconium and subsequent atopic and allergic disorders in children. Clinical and Experimental Allergy, 2022, 52, 684-696.	2.9	5
4	Child type 1 diabetes associated with mother vaginal bacteriome and mycobiome. Medical Microbiology and Immunology, 2022, 211, 185-194.	4.8	9
5	Does Intraspecific Variation in rDNA Copy Number Affect Analysis of Microbial Communities?. Trends in Microbiology, 2021, 29, 19-27.	7.7	71
6	The protective role of PHB and its degradation products against stress situations in bacteria. FEMS Microbiology Reviews, 2021, 45, .	8.6	50
7	Biofertilizers and Biocontrol Agents for Agriculture: How to Identify and Develop New Potent Microbial Strains and Traits. Microorganisms, 2021, 9, 817.	3.6	103
8	Host species shape the community structure of culturable endophytes in fruits of wild berry species (Vaccinium myrtillus L., Empetrum nigrum L. and Vaccinium vitis-idaea L.). FEMS Microbiology Ecology, 2021, 97, .	2.7	11
9	Bacterial communities at a groundwaterâ€surface water ecotone: gradual change or abrupt transition points along a contamination gradient?. Environmental Microbiology, 2021, 23, 6694-6706.	3.8	5
10	First record of the endophytic bacteria of Deschampsia antarctica Ä–. Desv. from two distant localities of the maritime Antarctic. Czech Polar Reports, 2021, 11, 134-153.	0.6	4
11	Fungal Dysbiosis and Intestinal Inflammation in Children With Beta-Cell Autoimmunity. Frontiers in Immunology, 2020, 11, 468.	4.8	33
12	Microbiome of the first stool after birth and infantile colic. Pediatric Research, 2020, 88, 776-783.	2.3	21
13	Impact of intrapartum and postnatal antibiotics on the gut microbiome and emergence of antimicrobial resistance in infants. Scientific Reports, 2019, 9, 10635.	3.3	106
14	Prevention of urinary catheter-associated infections by coating antimicrobial peptides from crowberry endophytes. Scientific Reports, 2019, 9, 10753.	3.3	51
15	Fungi Originating From Tree Leaves Contribute to Fungal Diversity of Litter in Streams. Frontiers in Microbiology, 2019, 10, 651.	3.5	24
16	Association of prevalent vaginal microbiome of mother with occurrence of type I diabetes in child. Scientific Reports, 2019, 9, 959.	3.3	6
17	Different endophyte communities colonize buds of sprouts compared with mature trees of mountain birch recovered from moth herbivory. Tree Physiology, 2018, 38, 1437-1444.	3.1	4
18	Endophytic Fungi, Occurrence, and Metabolites. , 2018, , 213-230.		9

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19	Maternal influence on the fetal microbiome in a population-based study of the first-pass meconium. Pediatric Research, 2018, 84, 371-379.	2.3	45
20	Potential of Tree Endophytes as Sources for New Drug Compounds. Forestry Sciences, 2018, , 441-462.	0.4	0
21	Endophytic Bacteria in Tree Shoot Tissues and Their Effects on Host. Forestry Sciences, 2018, , 177-190.	0.4	3
22	Intestinal microbiome as a risk factor for urinary tract infections in children. European Journal of Clinical Microbiology and Infectious Diseases, 2018, 37, 1881-1891.	2.9	42
23	Modified light spectral conditions prior to cryopreservation alter growth characteristics and cryopreservation success of potato (Solanum tuberosum L.) shoot tips in vitro. Plant Cell, Tissue and Organ Culture, 2017, 128, 409-421.	2.3	15
24	Editorial: Emerging Tools for Emerging Symbiosesâ€"Using Genomics Applications to Studying Endophytes. Frontiers in Microbiology, 2017, 8, 859.	3.5	0
25	Commentary: Agroforestry leads to shifts within the gammaproteobacterial microbiome of banana plants cultivated in Central America. Frontiers in Microbiology, 2016, 7, 656.	3.5	5
26	Phylogenetic clustering of fungal communities in humanâ€disturbed streams. Ecosphere, 2016, 7, e01316.	2.2	16
27	Bridged Epipolythiodiketopiperazines from Penicillium raciborskii, an Endophytic Fungus of Rhododendron tomentosum Harmaja. Journal of Natural Products, 2016, 79, 685-690.	3.0	45
28	Tonsillar microbiota in children with PFAPA (periodic fever, aphthous stomatitis, pharyngitis, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 963-970.	2.9	45
29	Identification of antibacterial peptides from endophytic microbiome. Applied Microbiology and Biotechnology, 2016, 100, 9283-9293.	3.6	11
30	EpichloÃ« grass endophytes in sustainable agriculture. Nature Plants, 2016, 2, 15224.	9.3	98
31	Effects of Methylobacterium sp. on emergence, yield, and disease prevalence in three cultivars of potato (Solanum tuberosum L.) were associated with the shift in endophytic microbial community. Plant and Soil, 2016, 405, 299-310.	3.7	17
32	Pan-genotypic Hepatitis C Virus Inhibition by Natural Products Derived from the Wild Egyptian Artichoke. Journal of Virology, 2016, 90, 1918-1930.	3.4	44
33	Methyl-esterified 3-hydroxybutyrate oligomers protect bacteria from hydroxyl radicals. Nature Chemical Biology, 2016, 12, 332-338.	8.0	54
34	Faecal microbiome in new-onset juvenile idiopathic arthritis. European Journal of Clinical Microbiology and Infectious Diseases, 2016, 35, 363-370.	2.9	81
35	Hormonal Regulation of Tuber Formation in Potato. , 2016, , 11-44.		0
36	The Intracellular Scots Pine Shoot Symbiont Methylobacterium extorquens DSM13060 Aggregates around the Host Nucleus and Encodes Eukaryote-Like Proteins. MBio, 2015, 6, .	4.1	44

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37	The Hidden World within Plants: Ecological and Evolutionary Considerations for Defining Functioning of Microbial Endophytes. Microbiology and Molecular Biology Reviews, 2015, 79, 293-320.	6.6	1,895
38	Reviving of the endophytic bacterial community as a putative mechanism of plant resistance. Plant and Soil, 2015, 388, 367-377.	3.7	96
39	MB1533 is a Defensin-Like Antimicrobial Peptide from the Intracellular Meristem Endophyte of Scots Pine Methylobacterium extorquens DSM13060. Journal of Microbial & Biochemical Technology, 2015, 08, .	0.2	6
40	Microbial diversity and communityâ€“environment relationships in boreal streams. Journal of Biogeography, 2014, 41, 2234-2244.	3.0	52
41	Does light spectral quality affect survival and regeneration of potato (Solanum tuberosum L.) shoot tips after cryopreservation?. Plant Cell, Tissue and Organ Culture, 2014, 119, 599-607.	2.3	15
42	Endophytes as a Novel Source of Bioactive New Structures. , 2014, , 191-202.		8
43	Fungal phenalenones: chemistry, biology, biosynthesis and phylogeny. Natural Product Reports, 2014, 31, 628.	10.3	71
44	Interaction with ectomycorrhizal fungi and endophytic Methylobacterium affects nutrient uptake and growth of pine seedlings in vitro. Tree Physiology, 2014, 34, 993-1005.	3.1	47
45	Cationic wood cellulose films with high strength and bacterial anti-adhesive properties. Cellulose, 2014, 21, 3573-3583.	4.9	31
46	Localization of strawberry (Fragaria x ananassa) and Methylobacterium extorquens genes of strawberry flavor biosynthesis in strawberry tissue by in situ hybridization. Journal of Plant Physiology, 2014, 171, 1099-1105.	3.5	25
47	Endophytic bacteria in plant tissue culture: differences between easy- and difficult-to-propagate Prunus avium genotypes. Tree Physiology, 2014, 34, 524-533.	3.1	67
48	Interactions of Meristem-Associated Endophytic Bacteria. , 2014, , 103-113.		6
49	Neighboring Deschampsia flexuosa and Trientalis europaea harbor contrasting root fungal endophytic communities. Mycorrhiza, 2013, 23, 1-10.	2.8	33
50	An antimicrobial peptide from endophytic Fusarium tricinctum of Rhododendron tomentosum Harmaja. Fungal Diversity, 2013, 60, 153-159.	12.3	39
51	Condensed conifer tannins as antifungal agents in liquid culture. Holzforschung, 2013, 67, 825-832.	1.9	51
52	Decomposer communities in humanâ€impacted streams: species dominance rather than richness affects leaf decomposition. Journal of Applied Ecology, 2013, 50, 1142-1151.	4.0	46
53	Targeting high-performance liquid chromatographyâ€“high-resolution mass spectrometryâ€“solid-phase extractionâ€“nuclear magnetic resonance analysis with high-resolution radical scavenging profilesâ€”Bioactive secondary metabolites from the endophytic fungus Penicillium namyslowskii. Journal of Chromatography A, 2013, 1302, 34-39.	3.7	39
54	Identification of defensin-encoding genes of Picea glauca: characterization of PgD5, a conserved spruce defensin with strong antifungal activity. BMC Plant Biology, 2012, 12, 180.	3.6	21

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55	Methylobacterium-Induced Endophyte Community Changes Correspond with Protection of Plants against Pathogen Attack. PLoS ONE, 2012, 7, e46802.	2.5	118
56	Biofilm formation and virulence of uropathogenic Escherichia coli in urine after consumption of cranberry-lingonberry juice. European Journal of Clinical Microbiology and Infectious Diseases, 2012, 31, 655-662.	2.9	12
57	Endophytes of Forest Trees. Forestry Sciences, 2011, , .	0.4	30
58	Kit for detection of fungal endophytes of grasses yields inconsistent results. Methods in Ecology and Evolution, 2011, 2, 197-201.	5.2	11
59	Potential of Tree Endophytes as Sources for New Drug Compounds. Forestry Sciences, 2011, , 295-311.	0.4	13
60	Endophytic bacteria enhancing growth and disease resistance of potato (Solanum tuberosum L.). Biological Control, 2011, 56, 43-49.	3.0	108
61	Bioactivity and genetic diversity of endophytic fungi in Rhododendron tomentosum Harmaja. Fungal Diversity, 2011, 47, 97-107.	12.3	88
62	Endophytic Bacteria in Tree Shoot Tissues and Their Effects on Host. Forestry Sciences, 2011, , 139-149.	0.4	5
63	Root endophytes along a primary succession gradient in northern Finland. Fungal Diversity, 2010, 41, 125-134.	12.3	63
64	Novel bioreactor technology for mass propagation of potato microtubers. Plant Cell, Tissue and Organ Culture, 2010, 101, 245-249.	2.3	24
65	The siderophore ferricrocin produced by specific foliar endophytic fungi in vitro. Fungal Biology, 2010, 114, 248-254.	2.5	43
66	Mycobacteria are hidden endophytes in the shoots of rock plant [Pogonatherum paniceum (Lam.) Hack.] (Poaceae). Environmental Microbiology Reports, 2010, 2, 619-624.	2.4	33
67	Flavonoid biosynthesis and degradation play a role in early defence responses of bilberry (Vaccinium) Tj ETQq1 1 0.784314 rgBT /Over	1.7	84
68	Methylobacteriumsp. resides in unculturable state in potato tissuesin vitroand becomes culturable after induction byPseudomonas fluorescensIMGB163. Journal of Applied Microbiology, 2009, 106, 728-737.	3.1	36
69	Identification of Phenolic Compounds from Lingonberry (Vaccinium vitis-idaeaL.), Bilberry (Vaccinium myrtillusL.) and Hybrid Bilberry (Vaccinium x intermediumRuthe L.) Leaves. Journal of Agricultural and Food Chemistry, 2009, 57, 9437-9447.	5.2	125
70	Methane formation in aerobic environments. Environmental Chemistry, 2009, 6, 459.	1.5	96
71	Medicinal Properties, In Vitro Protocols and Secondary Metabolite Analyses of Scots Pine. Methods in Molecular Biology, 2009, 547, 35-52.	0.9	4
72	Detection of Methylobacterium radiotolerans IMBG290 in potato plants by in situ hybridization. Biopolymers and Cell, 2009, 25, 115-119.	0.4	1

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73	Role of origin and endophyte infection in browning of bud-derived tissue cultures of Scots pine (Pinus sylvestris L.). Plant Cell, Tissue and Organ Culture, 2008, 95, 47-55.	2.3	52
74	Artificial infection of Vaccinium vitis-idaea L. and defence responses to Exobasidium species. Physiological and Molecular Plant Pathology, 2008, 72, 146-150.	2.5	7
75	Overwintering, chemical variation, and genetic diversity in three vegetatively propagated lines of French tarragon (Artemisia dracunculusvar.sativa). Journal of Horticultural Science and Biotechnology, 2008, 83, 765-769.	1.9	2
76	Phylogenetic Background of Orange Lily (Lilium bulbiferum s.l.) Cultivars from a Genetically Isolated Environment. Plant Biology, 2007, 9, 534-540.	3.8	5
77	Seasonal variations in location and population structure of endophytes in buds of Scots pine. Tree Physiology, 2005, 25, 289-297.	3.1	62
78	Method based on electrophoresis and gel extraction for obtaining genomic DNA-free cDNA without DNase treatment. BioTechniques, 2004, 37, 744-748.	1.8	24
79	Bud endophytes of Scots pine produce adenine derivatives and other compounds that affect morphology and mitigate browning of callus cultures. Physiologia Plantarum, 2004, 121, 305-312.	5.2	100
80	Expression profile analysis of wild-type and fcc1 mutant strains of Fusarium verticillioides during fumonisin biosynthesis. Fungal Genetics and Biology, 2004, 41, 647-656.	2.1	31
81	Two Endophytic Fungi in Different Tissues of Scots Pine Buds (Pinus sylvestris L.). Microbial Ecology, 2003, 45, 53-62.	2.8	64
82	PAC1 , a pH-Regulatory Gene from Fusarium verticillioides. Applied and Environmental Microbiology, 2003, 69, 5222-5227.	3.1	145
83	Expression of Genes Involved in Anthocyanin Biosynthesis in Relation to Anthocyanin, Proanthocyanidin, and Flavonol Levels during Bilberry Fruit Development. Plant Physiology, 2002, 130, 729-739.	4.8	404
84	Chitinase production in pine callus (Pinus sylvestris L.): a defense reaction against endophytes?. Planta, 2002, 214, 848-852.	3.2	37
85	cDNA blotting offers an alternative method for gene expression studies. Plant Molecular Biology Reporter, 2001, 19, 125-128.	1.8	15
86	Isolation of High Quality RNA from Bilberry (Vaccinium myrtillus L.) Fruit. Molecular Biotechnology, 2001, 19, 201-204.	2.4	354
87	Detection of Intracellular Bacteria in the Buds of Scotch Pine (Pinus sylvestris L.) by In Situ Hybridization. Applied and Environmental Microbiology, 2000, 66, 3073-3077.	3.1	176
88	Cloning and Characterization of a Novel Human Lysyl Hydroxylase Isoform Highly Expressed in Pancreas and Muscle. Journal of Biological Chemistry, 1997, 272, 6831-6834.	3.4	116
89	Emerging Tools for Emerging Symbioses - Using Genomics Applications to Studying Endophytes. Frontiers Research Topics, 0, , .	0.2	0