Anna Maria PirttilÃ¤

List of Publications by Year
in descending order

89 papers	6,267 citations	81839 39 h-index	69214 77 g-index
90 all docs	90 docs citations	90 times ranked	7853 citing authors

#	Article	IF	Citations
1	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
2	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.	2.3	404
3	Isolation of High Quality RNA from Bilberry (Vaccinium myrtillus L.) Fruit. Molecular Biotechnology, 2001, 19, 201-204.	1.3	354
4	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.	1.4	176
5	PAC1 , a pH-Regulatory Gene from Fusarium verticillioides. Applied and Environmental Microbiology, 2003, 69, 5222-5227.	1.4	145
6	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.	2.4	125
7	Methylobacterium-Induced Endophyte Community Changes Correspond with Protection of Plants against Pathogen Attack. PLoS ONE, 2012, 7, e46802.	1.1	118
8	Cloning and Characterization of a Novel Human Lysyl Hydroxylase Isoform Highly Expressed in Pancreas and Muscle. Journal of Biological Chemistry, 1997, 272, 6831-6834.	1.6	116
9	Endophytic bacteria enhancing growth and disease resistance of potato (Solanum tuberosum L.). Biological Control, 2011, 56, 43-49.	1.4	108
10	Impact of intrapartum and postnatal antibiotics on the gut microbiome and emergence of antimicrobial resistance in infants. Scientific Reports, 2019, 9, 10635.	1.6	106
11	Biofertilizers and Biocontrol Agents for Agriculture: How to Identify and Develop New Potent Microbial Strains and Traits. Microorganisms, 2021, 9, 817.	1.6	103
12	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.	2.6	100
13	EpichloÃ« grass endophytes in sustainable agriculture. Nature Plants, 2016, 2, 15224.	4.7	98
14	Methane formation in aerobic environments. Environmental Chemistry, 2009, 6, 459.	0.7	96
15	Reviving of the endophytic bacterial community as a putative mechanism of plant resistance. Plant and Soil, 2015, 388, 367-377.	1.8	96
16	Bioactivity and genetic diversity of endophytic fungi in Rhododendron tomentosum Harmaja. Fungal Diversity, 2011, 47, 97-107.	4.7	88
17	Flavonoid biosynthesis and degradation play a role in early defence responses of bilberry (Vaccinium) Tj ETQq1 1 0.784314 rgBT /Over	0.8	84
18	Faecal microbiome in new-onset juvenile idiopathic arthritis. European Journal of Clinical Microbiology and Infectious Diseases, 2016, 35, 363-370.	1.3	81

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19	Fungal phenalenones: chemistry, biology, biosynthesis and phylogeny. Natural Product Reports, 2014, 31, 628.	5.2	71
20	Does Intraspecific Variation in rDNA Copy Number Affect Analysis of Microbial Communities?. Trends in Microbiology, 2021, 29, 19-27.	3.5	71
21	Endophytic bacteria in plant tissue culture: differences between easy- and difficult-to-propagate Prunus avium genotypes. Tree Physiology, 2014, 34, 524-533.	1.4	67
22	Two Endophytic Fungi in Different Tissues of Scots Pine Buds (Pinus sylvestris L.). Microbial Ecology, 2003, 45, 53-62.	1.4	64
23	Root endophytes along a primary succession gradient in northern Finland. Fungal Diversity, 2010, 41, 125-134.	4.7	63
24	Seasonal variations in location and population structure of endophytes in buds of Scots pine. Tree Physiology, 2005, 25, 289-297.	1.4	62
25	Methyl-esterified 3-hydroxybutyrate oligomers protect bacteria from hydroxyl radicals. Nature Chemical Biology, 2016, 12, 332-338.	3.9	54
26	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.	1.2	52
27	Microbial diversity and communityâ€“environment relationships in boreal streams. Journal of Biogeography, 2014, 41, 2234-2244.	1.4	52
28	Condensed conifer tannins as antifungal agents in liquid culture. Holzforschung, 2013, 67, 825-832.	0.9	51
29	Prevention of urinary catheter-associated infections by coating antimicrobial peptides from crowberry endophytes. Scientific Reports, 2019, 9, 10753.	1.6	51
30	The protective role of PHB and its degradation products against stress situations in bacteria. FEMS Microbiology Reviews, 2021, 45, .	3.9	50
31	Interaction with ectomycorrhizal fungi and endophytic Methylobacterium affects nutrient uptake and growth of pine seedlings in vitro. Tree Physiology, 2014, 34, 993-1005.	1.4	47
32	Decomposer communities in humanâ€impacted streams: species dominance rather than richness affects leaf decomposition. Journal of Applied Ecology, 2013, 50, 1142-1151.	1.9	46
33	Bridged Epipolythiodiketopiperazines from Penicillium raciborskii, an Endophytic Fungus of Rhododendron tomentosum Harmaja. Journal of Natural Products, 2016, 79, 685-690.	1.5	45
34	Tonsillar microbiota in children with PFAPA (periodic fever, aphthous stomatitis, pharyngitis, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 963-970.	1.3	45
35	Maternal influence on the fetal microbiome in a population-based study of the first-pass meconium. Pediatric Research, 2018, 84, 371-379.	1.1	45
36	The Intracellular Scots Pine Shoot Symbiont Methylobacterium extorquens DSM13060 Aggregates around the Host Nucleus and Encodes Eukaryote-Like Proteins. MBio, 2015, 6, .	1.8	44

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37	Pan-genotypic Hepatitis C Virus Inhibition by Natural Products Derived from the Wild Egyptian Artichoke. Journal of Virology, 2016, 90, 1918-1930.	1.5	44
38	The siderophore ferricrocin produced by specific foliar endophytic fungi in vitro. Fungal Biology, 2010, 114, 248-254.	1.1	43
39	Intestinal microbiome as a risk factor for urinary tract infections in children. European Journal of Clinical Microbiology and Infectious Diseases, 2018, 37, 1881-1891.	1.3	42
40	An antimicrobial peptide from endophytic Fusarium tricinctum of Rhododendron tomentosum Harmaja. Fungal Diversity, 2013, 60, 153-159.	4.7	39
41	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.	1.8	39
42	Chitinase production in pine callus (Pinus sylvestris L.): a defense reaction against endophytes?. Planta, 2002, 214, 848-852.	1.6	37
43	Antibiotics at birth and later antibiotic courses: effects on gut microbiota. Pediatric Research, 2022, 91, 154-162.	1.1	37
44	Methylobacteriumsp. resides in unculturable state in potato tissuesin vitroand becomes culturable after induction byPseudomonas fluorescensIMGB163. Journal of Applied Microbiology, 2009, 106, 728-737.	1.4	36
45	Mycobacteria are hidden endophytes in the shoots of rock plant [Pogonatherum paniceum (Lam.) Hack.] (Poaceae). Environmental Microbiology Reports, 2010, 2, 619-624.	1.0	33
46	Neighboring Deschampsia flexuosa and Trientalis europaea harbor contrasting root fungal endophytic communities. Mycorrhiza, 2013, 23, 1-10.	1.3	33
47	Fungal Dysbiosis and Intestinal Inflammation in Children With Beta-Cell Autoimmunity. Frontiers in Immunology, 2020, 11, 468.	2.2	33
48	Expression profile analysis of wild-type and fcc1 mutant strains of Fusarium verticillioides during fumonisin biosynthesis. Fungal Genetics and Biology, 2004, 41, 647-656.	0.9	31
49	Cationic wood cellulose films with high strength and bacterial anti-adhesive properties. Cellulose, 2014, 21, 3573-3583.	2.4	31
50	Endophytes of Forest Trees. Forestry Sciences, 2011, , .	0.4	30
51	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.	1.6	25
52	Method based on electrophoresis and gel extraction for obtaining genomic DNA-free cDNA without DNase treatment. BioTechniques, 2004, 37, 744-748.	0.8	24
53	Novel bioreactor technology for mass propagation of potato microtubers. Plant Cell, Tissue and Organ Culture, 2010, 101, 245-249.	1.2	24
54	Fungi Originating From Tree Leaves Contribute to Fungal Diversity of Litter in Streams. Frontiers in Microbiology, 2019, 10, 651.	1.5	24

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55	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.	1.6	21
56	Microbiome of the first stool after birth and infantile colic. Pediatric Research, 2020, 88, 776-783.	1.1	21
57	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.	1.8	17
58	Phylogenetic clustering of fungal communities in humanâ€disturbed streams. Ecosphere, 2016, 7, e01316.	1.0	16
59	cDNA blotting offers an alternative method for gene expression studies. Plant Molecular Biology Reporter, 2001, 19, 125-128.	1.0	15
60	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.	1.2	15
61	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.	1.2	15
62	Potential of Tree Endophytes as Sources for New Drug Compounds. Forestry Sciences, 2011, , 295-311.	0.4	13
63	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.	1.3	12
64	Kit for detection of fungal endophytes of grasses yields inconsistent results. Methods in Ecology and Evolution, 2011, 2, 197-201.	2.2	11
65	Identification of antibacterial peptides from endophytic microbiome. Applied Microbiology and Biotechnology, 2016, 100, 9283-9293.	1.7	11
66	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, .	1.3	11
67	Endophytic Fungi, Occurrence, and Metabolites. , 2018, , 213-230.		9
68	Child type 1 diabetes associated with mother vaginal bacteriome and mycobiome. Medical Microbiology and Immunology, 2022, 211, 185-194.	2.6	9
69	Endophytes as a Novel Source of Bioactive New Structures. , 2014, , 191-202.		8
70	Artificial infection of Vaccinium vitis-idaea L. and defence responses to Exobasidium species. Physiological and Molecular Plant Pathology, 2008, 72, 146-150.	1.3	7
71	The meristem-associated endosymbiont Methylorubrum extorquens DSM13060 reprograms development and stress responses of pine seedlings. Tree Physiology, 2022, 42, 391-410.	1.4	7
72	Interactions of Meristem-Associated Endophytic Bacteria. , 2014, , 103-113.		6

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73	Association of prevalent vaginal microbiome of mother with occurrence of type I diabetes in child. Scientific Reports, 2019, 9, 959.	1.6	6
74	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
75	Phylogenetic Background of Orange Lily (Lilium bulbiferum s.l.) Cultivars from a Genetically Isolated Environment. Plant Biology, 2007, 9, 534-540.	1.8	5
76	Commentary: Agroforestry leads to shifts within the gammaproteobacterial microbiome of banana plants cultivated in Central America. Frontiers in Microbiology, 2016, 7, 656.	1.5	5
77	Bacterial communities at a groundwaterâ€surface water ecotone: gradual change or abrupt transition points along a contamination gradient?. Environmental Microbiology, 2021, 23, 6694-6706.	1.8	5
78	Endophytic Bacteria in Tree Shoot Tissues and Their Effects on Host. Forestry Sciences, 2011, , 139-149.	0.4	5
79	Microbiota of the firstâ€pass meconium and subsequent atopic and allergic disorders in children. Clinical and Experimental Allergy, 2022, 52, 684-696.	1.4	5
80	Different endophyte communities colonize buds of sprouts compared with mature trees of mountain birch recovered from moth herbivory. Tree Physiology, 2018, 38, 1437-1444.	1.4	4
81	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.	0.2	4
82	Medicinal Properties, In Vitro Protocols and Secondary Metabolite Analyses of Scots Pine. Methods in Molecular Biology, 2009, 547, 35-52.	0.4	4
83	Endophytic Bacteria in Tree Shoot Tissues and Their Effects on Host. Forestry Sciences, 2018, , 177-190.	0.4	3
84	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.	0.9	2
85	Detection of Methylobacterium radiotolerans IMBG290 in potato plants by in situ hybridization. Biopolymers and Cell, 2009, 25, 115-119.	0.1	1
86	Editorial: Emerging Tools for Emerging Symbiosesâ€"Using Genomics Applications to Studying Endophytes. Frontiers in Microbiology, 2017, 8, 859.	1.5	0
87	Potential of Tree Endophytes as Sources for New Drug Compounds. Forestry Sciences, 2018, , 441-462.	0.4	0
88	Hormonal Regulation of Tuber Formation in Potato. , 2016, , 11-44.		0
89	Emerging Tools for Emerging Symbioses - Using Genomics Applications to Studying Endophytes. Frontiers Research Topics, 0, , .	0.2	0