

Anna Maria Pirttilä

List of Publications by Year in descending order

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89
papers

6,267
citations

81900

39
h-index

69250

77
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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. <i>Microbiology and Molecular Biology Reviews</i> , 2015, 79, 293-320.	6.6	1,895
2	Expression of Genes Involved in Anthocyanin Biosynthesis in Relation to Anthocyanin, Proanthocyanidin, and Flavonol Levels during Bilberry Fruit Development. <i>Plant Physiology</i> , 2002, 130, 729-739.	4.8	404
3	Isolation of High Quality RNA from Bilberry (<i>Vaccinium myrtillus</i> L.) Fruit. <i>Molecular Biotechnology</i> , 2001, 19, 201-204.	2.4	354
4	Detection of Intracellular Bacteria in the Buds of Scotch Pine (<i>Pinus sylvestris</i> L.) by In Situ Hybridization. <i>Applied and Environmental Microbiology</i> , 2000, 66, 3073-3077.	3.1	176
5	PAC1, a pH-Regulatory Gene from <i>Fusarium verticillioides</i> . <i>Applied and Environmental Microbiology</i> , 2003, 69, 5222-5227.	3.1	145
6	Identification of Phenolic Compounds from Lingonberry (<i>Vaccinium vitis-idaea</i> L.), Bilberry (<i>Vaccinium myrtillus</i> L.) and Hybrid Bilberry (<i>Vaccinium x intermedium</i> Ruthe L.) Leaves. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9437-9447.	5.2	125
7	Methylobacterium-Induced Endophyte Community Changes Correspond with Protection of Plants against Pathogen Attack. <i>PLoS ONE</i> , 2012, 7, e46802.	2.5	118
8	Cloning and Characterization of a Novel Human Lysyl Hydroxylase Isoform Highly Expressed in Pancreas and Muscle. <i>Journal of Biological Chemistry</i> , 1997, 272, 6831-6834.	3.4	116
9	Endophytic bacteria enhancing growth and disease resistance of potato (<i>Solanum tuberosum</i> L.). <i>Biological Control</i> , 2011, 56, 43-49.	3.0	108
10	Impact of intrapartum and postnatal antibiotics on the gut microbiome and emergence of antimicrobial resistance in infants. <i>Scientific Reports</i> , 2019, 9, 10635.	3.3	106
11	Biofertilizers and Biocontrol Agents for Agriculture: How to Identify and Develop New Potent Microbial Strains and Traits. <i>Microorganisms</i> , 2021, 9, 817.	3.6	103
12	Bud endophytes of Scots pine produce adenine derivatives and other compounds that affect morphology and mitigate browning of callus cultures. <i>Physiologia Plantarum</i> , 2004, 121, 305-312.	5.2	100
13	Epichloa grass endophytes in sustainable agriculture. <i>Nature Plants</i> , 2016, 2, 15224.	9.3	98
14	Methane formation in aerobic environments. <i>Environmental Chemistry</i> , 2009, 6, 459.	1.5	96
15	Reviving of the endophytic bacterial community as a putative mechanism of plant resistance. <i>Plant and Soil</i> , 2015, 388, 367-377.	3.7	96
16	Bioactivity and genetic diversity of endophytic fungi in <i>Rhododendron tomentosum</i> Harmaja. <i>Fungal Diversity</i> , 2011, 47, 97-107.	12.3	88
17	Flavonoid biosynthesis and degradation play a role in early defence responses of bilberry (<i>Vaccinium</i>) Tj ETQq1 1 0.784314 rgBT /Over 1.7 84	1.7	84
18	Faecal microbiome in new-onset juvenile idiopathic arthritis. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2016, 35, 363-370.	2.9	81

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19	Fungal phenalenones: chemistry, biology, biosynthesis and phylogeny. <i>Natural Product Reports</i> , 2014, 31, 628.	10.3	71
20	Does Intraspecific Variation in rDNA Copy Number Affect Analysis of Microbial Communities?. <i>Trends in Microbiology</i> , 2021, 29, 19-27.	7.7	71
21	Endophytic bacteria in plant tissue culture: differences between easy- and difficult-to-propagate <i>Prunus avium</i> genotypes. <i>Tree Physiology</i> , 2014, 34, 524-533.	3.1	67
22	Two Endophytic Fungi in Different Tissues of Scots Pine Buds (<i>Pinus sylvestris</i> L.). <i>Microbial Ecology</i> , 2003, 45, 53-62.	2.8	64
23	Root endophytes along a primary succession gradient in northern Finland. <i>Fungal Diversity</i> , 2010, 41, 125-134.	12.3	63
24	Seasonal variations in location and population structure of endophytes in buds of Scots pine. <i>Tree Physiology</i> , 2005, 25, 289-297.	3.1	62
25	Methyl-esterified 3-hydroxybutyrate oligomers protect bacteria from hydroxyl radicals. <i>Nature Chemical Biology</i> , 2016, 12, 332-338.	8.0	54
26	Role of origin and endophyte infection in browning of bud-derived tissue cultures of Scots pine (<i>Pinus sylvestris</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2008, 95, 47-55.	2.3	52
27	Microbial diversity and community-environment relationships in boreal streams. <i>Journal of Biogeography</i> , 2014, 41, 2234-2244.	3.0	52
28	Condensed conifer tannins as antifungal agents in liquid culture. <i>Holzforschung</i> , 2013, 67, 825-832.	1.9	51
29	Prevention of urinary catheter-associated infections by coating antimicrobial peptides from crowberry endophytes. <i>Scientific Reports</i> , 2019, 9, 10753.	3.3	51
30	The protective role of PHB and its degradation products against stress situations in bacteria. <i>FEMS Microbiology Reviews</i> , 2021, 45, .	8.6	50
31	Interaction with ectomycorrhizal fungi and endophytic <i>Methylobacterium</i> affects nutrient uptake and growth of pine seedlings in vitro. <i>Tree Physiology</i> , 2014, 34, 993-1005.	3.1	47
32	Decomposer communities in human-impacted streams: species dominance rather than richness affects leaf decomposition. <i>Journal of Applied Ecology</i> , 2013, 50, 1142-1151.	4.0	46
33	Bridged Epipolythiodiketopiperazines from <i>Penicillium raciborskii</i> , an Endophytic Fungus of <i>Rhododendron tomentosum</i> Harmaja. <i>Journal of Natural Products</i> , 2016, 79, 685-690.	3.0	45
34	Tonsillar microbiota in children with PFAPA (periodic fever, aphthous stomatitis, pharyngitis, and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1</i> 963-970.	2.9	45
35	Maternal influence on the fetal microbiome in a population-based study of the first-pass meconium. <i>Pediatric Research</i> , 2018, 84, 371-379.	2.3	45
36	The Intracellular Scots Pine Shoot Symbiont <i>Methylobacterium extorquens</i> DSM13060 Aggregates around the Host Nucleus and Encodes Eukaryote-Like Proteins. <i>MBio</i> , 2015, 6, .	4.1	44

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37	Pan-genotypic Hepatitis C Virus Inhibition by Natural Products Derived from the Wild Egyptian Artichoke. <i>Journal of Virology</i> , 2016, 90, 1918-1930.	3.4	44
38	The siderophore ferricrocin produced by specific foliar endophytic fungi in vitro. <i>Fungal Biology</i> , 2010, 114, 248-254.	2.5	43
39	Intestinal microbiome as a risk factor for urinary tract infections in children. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018, 37, 1881-1891.	2.9	42
40	An antimicrobial peptide from endophytic <i>Fusarium tricinctum</i> of <i>Rhododendron tomentosum</i> Harmaja. <i>Fungal Diversity</i> , 2013, 60, 153-159.	12.3	39
41	Targeting high-performance liquid chromatography–high-resolution mass spectrometry–solid-phase extraction–nuclear magnetic resonance analysis with high-resolution radical scavenging profiles—Bioactive secondary metabolites from the endophytic fungus <i>Penicillium namyslowskii</i> . <i>Journal of Chromatography A</i> . 2013. 1302. 34-39.	3.7	39
42	Chitinase production in pine callus (<i>Pinus sylvestris</i> L.): a defense reaction against endophytes?. <i>Planta</i> , 2002, 214, 848-852.	3.2	37
43	Antibiotics at birth and later antibiotic courses: effects on gut microbiota. <i>Pediatric Research</i> , 2022, 91, 154-162.	2.3	37
44	<i>Methylobacterium</i> sp. resides in unculturable state in potato tissues in vitro and becomes culturable after induction by <i>Pseudomonas fluorescens</i> IMGB163. <i>Journal of Applied Microbiology</i> , 2009, 106, 728-737.	3.1	36
45	Mycobacteria are hidden endophytes in the shoots of rock plant [<i>Pogonatherum paniceum</i> (Lam.) Hack.] (Poaceae). <i>Environmental Microbiology Reports</i> , 2010, 2, 619-624.	2.4	33
46	Neighboring <i>Deschampsia flexuosa</i> and <i>Trientalis europaea</i> harbor contrasting root fungal endophytic communities. <i>Mycorrhiza</i> , 2013, 23, 1-10.	2.8	33
47	Fungal Dysbiosis and Intestinal Inflammation in Children With Beta-Cell Autoimmunity. <i>Frontiers in Immunology</i> , 2020, 11, 468.	4.8	33
48	Expression profile analysis of wild-type and <i>fcc1</i> mutant strains of <i>Fusarium verticillioides</i> during fumonisin biosynthesis. <i>Fungal Genetics and Biology</i> , 2004, 41, 647-656.	2.1	31
49	Cationic wood cellulose films with high strength and bacterial anti-adhesive properties. <i>Cellulose</i> , 2014, 21, 3573-3583.	4.9	31
50	Endophytes of Forest Trees. <i>Forestry Sciences</i> , 2011, , .	0.4	30
51	Localization of strawberry (<i>Fragaria x ananassa</i>) and <i>Methylobacterium extorquens</i> genes of strawberry flavor biosynthesis in strawberry tissue by in situ hybridization. <i>Journal of Plant Physiology</i> , 2014, 171, 1099-1105.	3.5	25
52	Method based on electrophoresis and gel extraction for obtaining genomic DNA-free cDNA without DNase treatment. <i>BioTechniques</i> , 2004, 37, 744-748.	1.8	24
53	Novel bioreactor technology for mass propagation of potato microtubers. <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 101, 245-249.	2.3	24
54	Fungi Originating From Tree Leaves Contribute to Fungal Diversity of Litter in Streams. <i>Frontiers in Microbiology</i> , 2019, 10, 651.	3.5	24

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55	Identification of defensin-encoding genes of <i>Picea glauca</i> : characterization of PgD5, a conserved spruce defensin with strong antifungal activity. <i>BMC Plant Biology</i> , 2012, 12, 180.	3.6	21
56	Microbiome of the first stool after birth and infantile colic. <i>Pediatric Research</i> , 2020, 88, 776-783.	2.3	21
57	Effects of <i>Methylobacterium</i> sp. on emergence, yield, and disease prevalence in three cultivars of potato (<i>Solanum tuberosum</i> L.) were associated with the shift in endophytic microbial community. <i>Plant and Soil</i> , 2016, 405, 299-310.	3.7	17
58	Phylogenetic clustering of fungal communities in human-disturbed streams. <i>Ecosphere</i> , 2016, 7, e01316.	2.2	16
59	cDNA blotting offers an alternative method for gene expression studies. <i>Plant Molecular Biology Reporter</i> , 2001, 19, 125-128.	1.8	15
60	Does light spectral quality affect survival and regeneration of potato (<i>Solanum tuberosum</i> L.) shoot tips after cryopreservation?. <i>Plant Cell, Tissue and Organ Culture</i> , 2014, 119, 599-607.	2.3	15
61	Modified light spectral conditions prior to cryopreservation alter growth characteristics and cryopreservation success of potato (<i>Solanum tuberosum</i> L.) shoot tips in vitro. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 128, 409-421.	2.3	15
62	Potential of Tree Endophytes as Sources for New Drug Compounds. <i>Forestry Sciences</i> , 2011, , 295-311.	0.4	13
63	Biofilm formation and virulence of uropathogenic <i>Escherichia coli</i> in urine after consumption of cranberry-lingonberry juice. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2012, 31, 655-662.	2.9	12
64	Kit for detection of fungal endophytes of grasses yields inconsistent results. <i>Methods in Ecology and Evolution</i> , 2011, 2, 197-201.	5.2	11
65	Identification of antibacterial peptides from endophytic microbiome. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9283-9293.	3.6	11
66	Host species shape the community structure of culturable endophytes in fruits of wild berry species (<i>Vaccinium myrtillus</i> L., <i>Empetrum nigrum</i> L. and <i>Vaccinium vitis-idaea</i> L.). <i>FEMS Microbiology Ecology</i> , 2021, 97, .	2.7	11
67	Endophytic Fungi, Occurrence, and Metabolites. , 2018, , 213-230.		9
68	Child type 1 diabetes associated with mother vaginal bacteriome and mycobiome. <i>Medical Microbiology and Immunology</i> , 2022, 211, 185-194.	4.8	9
69	Endophytes as a Novel Source of Bioactive New Structures. , 2014, , 191-202.		8
70	Artificial infection of <i>Vaccinium vitis-idaea</i> L. and defence responses to <i>Exobasidium</i> species. <i>Physiological and Molecular Plant Pathology</i> , 2008, 72, 146-150.	2.5	7
71	The meristem-associated endosymbiont <i>Methylobacterium extorquens</i> DSM13060 reprograms development and stress responses of pine seedlings. <i>Tree Physiology</i> , 2022, 42, 391-410.	3.1	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. <i>Scientific Reports</i> , 2019, 9, 959.	3.3	6
74	MB1533 is a Defensin-Like Antimicrobial Peptide from the Intracellular Meristem Endophyte of Scots Pine <i>Methylobacterium extorquens</i> DSM13060. <i>Journal of Microbial & Biochemical Technology</i> , 2015, 08, .	0.2	6
75	Phylogenetic Background of Orange Lily (<i>Lilium bulbiferum</i> s.l.) Cultivars from a Genetically Isolated Environment. <i>Plant Biology</i> , 2007, 9, 534-540.	3.8	5
76	Commentary: Agroforestry leads to shifts within the gammaproteobacterial microbiome of banana plants cultivated in Central America. <i>Frontiers in Microbiology</i> , 2016, 7, 656.	3.5	5
77	Bacterial communities at a groundwater–surface water ecotone: gradual change or abrupt transition points along a contamination gradient?. <i>Environmental Microbiology</i> , 2021, 23, 6694-6706.	3.8	5
78	Endophytic Bacteria in Tree Shoot Tissues and Their Effects on Host. <i>Forestry Sciences</i> , 2011, , 139-149.	0.4	5
79	Microbiota of the first-pass meconium and subsequent atopic and allergic disorders in children. <i>Clinical and Experimental Allergy</i> , 2022, 52, 684-696.	2.9	5
80	Different endophyte communities colonize buds of sprouts compared with mature trees of mountain birch recovered from moth herbivory. <i>Tree Physiology</i> , 2018, 38, 1437-1444.	3.1	4
81	First record of the endophytic bacteria of <i>Deschampsia antarctica</i> – Desv. from two distant localities of the maritime Antarctic. <i>Czech Polar Reports</i> , 2021, 11, 134-153.	0.6	4
82	Medicinal Properties, In Vitro Protocols and Secondary Metabolite Analyses of Scots Pine. <i>Methods in Molecular Biology</i> , 2009, 547, 35-52.	0.9	4
83	Endophytic Bacteria in Tree Shoot Tissues and Their Effects on Host. <i>Forestry Sciences</i> , 2018, , 177-190.	0.4	3
84	Overwintering, chemical variation, and genetic diversity in three vegetatively propagated lines of French tarragon (<i>Artemisia dracunculus</i> var. <i>sativa</i>). <i>Journal of Horticultural Science and Biotechnology</i> , 2008, 83, 765-769.	1.9	2
85	Detection of <i>Methylobacterium radiotolerans</i> IMBG290 in potato plants by in situ hybridization. <i>Biopolymers and Cell</i> , 2009, 25, 115-119.	0.4	1
86	Editorial: Emerging Tools for Emerging Symbioses – Using Genomics Applications to Studying Endophytes. <i>Frontiers in Microbiology</i> , 2017, 8, 859.	3.5	0
87	Potential of Tree Endophytes as Sources for New Drug Compounds. <i>Forestry Sciences</i> , 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. <i>Frontiers Research Topics</i> , 0, , .	0.2	0