

Laura Jaakola

List of Publications by Year in descending order

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65
papers

5,294
citations

117625

34
h-index

114465

63
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68
all docs

68
docs citations

68
times ranked

5533
citing authors

#	ARTICLE	IF	CITATIONS
1	A chromosome-scale assembly of the bilberry genome identifies a complex locus controlling berry anthocyanin composition. <i>Molecular Ecology Resources</i> , 2022, 22, 345-360.	4.8	28
2	Hierarchical regulation of <i>MYBPA1</i> by anthocyanin- and proanthocyanidin-related MYB proteins is conserved in <i>Vaccinium</i> species. <i>Journal of Experimental Botany</i> , 2022, 73, 1344-1356.	4.8	20
3	Resolving the developmental distribution patterns of polyphenols and related primary metabolites in bilberry (<i>Vaccinium myrtillus</i>) fruit. <i>Food Chemistry</i> , 2022, 374, 131703.	8.2	19
4	Insights into sugar metabolism during bilberry (<i>Vaccinium myrtillus</i> L.) fruit development. <i>Physiologia Plantarum</i> , 2022, 174, e13657.	5.2	15
5	A dPCR Method for Quantitative Authentication of Wild Lingonberry (<i>Vaccinium vitis-idaea</i>) versus Cultivated American Cranberry (<i>V. macrocarpon</i>). <i>Foods</i> , 2022, 11, 1476.	4.3	6
6	Functional phenomics for improved climate resilience in Nordic agriculture. <i>Journal of Experimental Botany</i> , 2022, 73, 5111-5127.	4.8	10
7	Potential use of biofungicides and conventional fungicide for the management of <i>Botrytis</i> blossom blight in lowbush blueberries. <i>Canadian Journal of Plant Pathology</i> , 2021, 43, 704-713.	1.4	3
8	Influence of Arctic light conditions on crop production and quality. <i>Physiologia Plantarum</i> , 2021, 172, 1931-1940.	5.2	12
9	Red and blue light treatments of ripening bilberry fruits reveal differences in signalling through abscisic acid-regulated anthocyanin biosynthesis. <i>Plant, Cell and Environment</i> , 2021, 44, 3227-3245.	5.7	51
10	Authentication of berries and berry-based food products. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 5197-5225.	11.7	23
11	Analysis of composition, morphology, and biosynthesis of cuticular wax in wild type bilberry (<i>Vaccinium myrtillus</i> L.) and its glossy mutant. <i>Food Chemistry</i> , 2021, 354, 129517.	8.2	24
12	MYBA and MYBPA transcription factors co-regulate anthocyanin biosynthesis in blue-coloured berries. <i>New Phytologist</i> , 2021, 232, 1350-1367.	7.3	56
13	Elucidation of the molecular responses during the primary infection of wild blueberry phenotypes with <i>Monilinia vaccinii-corymbosi</i> under field conditions. <i>BMC Plant Biology</i> , 2021, 21, 493.	3.6	3
14	Selection and validation of reliable reference genes for gene expression studies from <i>Monilinia vaccinii-corymbosi</i> infected wild blueberry phenotypes. <i>Scientific Reports</i> , 2020, 10, 11688.	3.3	13
15	Changes in the Proanthocyanidin Composition and Related Gene Expression in Bilberry (<i>Vaccinium</i>) Tj ETQq1 1 0.784314 19 BT /Over	5.2	19
16	Spatiotemporal Modulation of Flavonoid Metabolism in Blueberries. <i>Frontiers in Plant Science</i> , 2020, 11, 545.	3.6	42
17	Compositional and morphological analyses of wax in northern wild berry species. <i>Food Chemistry</i> , 2019, 295, 441-448.	8.2	43
18	Developmental and Environmental Regulation of Cuticular Wax Biosynthesis in Fleshy Fruits. <i>Frontiers in Plant Science</i> , 2019, 10, 431.	3.6	102

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19	Contrasting survival and physiological responses of sub-Arctic plant types to extreme winter warming and nitrogen. <i>Planta</i> , 2018, 247, 635-648.	3.2	17
20	Impact of Multiple Ecological Stressors on a Sub-Arctic Ecosystem: No Interaction Between Extreme Winter Warming Events, Nitrogen Addition and Grazing. <i>Frontiers in Plant Science</i> , 2018, 9, 1787.	3.6	6
21	Abscisic Acid Regulates Anthocyanin Biosynthesis and Gene Expression Associated With Cell Wall Modification in Ripening Bilberry (<i>Vaccinium myrtillus</i> L.) Fruits. <i>Frontiers in Plant Science</i> , 2018, 9, 1259.	3.6	73
22	Recognition of candidate transcription factors related to bilberry fruit ripening by de novo transcriptome and qRT-PCR analyses. <i>Scientific Reports</i> , 2018, 8, 9943.	3.3	16
23	Reliable and practical methods for cryopreservation of embryogenic cultures and cold storage of somatic embryos of Norway spruce. <i>Cryobiology</i> , 2017, 76, 8-17.	0.7	28
24	Phenolic compounds and antioxidant capacity in different-colored and non-pigmented berries of bilberry (<i>Vaccinium myrtillus</i> L.). <i>Food Bioscience</i> , 2017, 20, 67-78.	4.4	30
25	Altered regulation of TERMINAL FLOWER 1 causes the unique vernalisation response in an arctic woodland strawberry accession. <i>New Phytologist</i> , 2017, 216, 841-853.	7.3	24
26	Native Chilean Fruits and the Effects of their Functional Compounds on Human Health. , 2017, , .		3
27	Methyl Jasmonate: An Alternative for Improving the Quality and Health Properties of Fresh Fruits. <i>Molecules</i> , 2016, 21, 567.	3.8	99
28	Molecular Cloning and Expression Analysis of hyp-1 Type PR-10 Family Genes in <i>Hypericum perforatum</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 526.	3.6	17
29	On the Developmental and Environmental Regulation of Secondary Metabolism in <i>Vaccinium</i> spp. Berries. <i>Frontiers in Plant Science</i> , 2016, 7, 655.	3.6	80
30	Bilberry (<i>Vaccinium myrtillus</i> L.) Ecotypes. , 2016, , 83-99.		12
31	Carotenoid metabolism during bilberry (<i>Vaccinium myrtillus</i> L.) fruit development under different light conditions is regulated by biosynthesis and degradation. <i>BMC Plant Biology</i> , 2016, 16, 95.	3.6	44
32	Genetic diversity and population structure of an important wild berry crop. <i>AoB PLANTS</i> , 2015, 7, plv117.	2.3	18
33	Modification of Sunlight Radiation through Colored Photo-Selective Nets Affects Anthocyanin Profile in <i>Vaccinium</i> spp. Berries. <i>PLoS ONE</i> , 2015, 10, e0135935.	2.5	45
34	Metabolic and molecular analyses of white mutant <i>Vaccinium</i> berries show down-regulation of MYBPA1-type R2R3 MYB regulatory factor. <i>Planta</i> , 2015, 242, 631-643.	3.2	37
35	Anthocyanin Profile in Berries of Wild and Cultivated <i>Vaccinium</i> spp. along Altitudinal Gradients in the Alps. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8641-8650.	5.2	67
36	Light-controlled flavonoid biosynthesis in fruits. <i>Frontiers in Plant Science</i> , 2014, 5, 534.	3.6	353

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37	Monochromatic light increases anthocyanin content during fruit development in bilberry. <i>BMC Plant Biology</i> , 2014, 14, 377.	3.6	68
38	New insights into the regulation of anthocyanin biosynthesis in fruits. <i>Trends in Plant Science</i> , 2013, 18, 477-483.	8.8	893
39	Changes in the abscisic acid levels and related gene expression during fruit development and ripening in bilberry (<i>Vaccinium myrtillus</i> L.). <i>Phytochemistry</i> , 2013, 95, 127-134.	2.9	80
40	Anthocyanin fingerprinting for authenticity studies of bilberry (<i>Vaccinium myrtillus</i> L.). <i>Food Control</i> , 2013, 30, 662-667.	5.5	51
41	Ascorbic acid metabolism during bilberry (<i>Vaccinium myrtillus</i> L.) fruit development. <i>Journal of Plant Physiology</i> , 2012, 169, 1059-1065.	3.5	41
42	Effects of Temperature and Photoperiod on Yield and Chemical Composition of Northern and Southern Clones of Bilberry (<i>Vaccinium myrtillus</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10406-10414.	5.2	111
43	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
44	Phenolic compounds in berries and flowers of a natural hybrid between bilberry and lingonberry (<i>Vaccinium intermedium</i> Ruthe). <i>Phytochemistry</i> , 2011, 72, 810-815.	2.9	49
45	Phenolic Composition and Antioxidant Capacity of Bilberry (<i>Vaccinium myrtillus</i>) Leaves in Northern Europe Following Foliar Development and Along Environmental Gradients. <i>Journal of Chemical Ecology</i> , 2010, 36, 1017-1028.	1.8	100
46	Novel approaches based on DNA barcoding and high-resolution melting of amplicons for authenticity analyses of berry species. <i>Food Chemistry</i> , 2010, 123, 494-500.	8.2	92
47	Effect of latitude on flavonoid biosynthesis in plants. <i>Plant, Cell and Environment</i> , 2010, 33, 1239-1247.	5.7	306
48	Effects of Latitude-Related Factors and Geographical Origin on Anthocyanidin Concentrations in Fruits of <i>Vaccinium myrtillus</i> L. (Bilberries). <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 11939-11945.	5.2	99
49	Anthocyanin and Flavonol Variation in Bog Bilberries (<i>Vaccinium uliginosum</i> L.) in Finland. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 427-433.	5.2	87
50	A SQUAMOSA MADS Box Gene Involved in the Regulation of Anthocyanin Accumulation in Bilberry Fruits. <i>Plant Physiology</i> , 2010, 153, 1619-1629.	4.8	232
51	Flavonoid biosynthesis and degradation play a role in early defence responses of bilberry (<i>Vaccinium</i>) Tj ETQq1 1 0.784314 rgBT /Overlo 1.7 84	1.7	84
52	Isolation and genotype-dependent, organ-specific expression analysis of a <i>Rhodiola rosea</i> cDNA encoding tyrosine decarboxylase. <i>Journal of Plant Physiology</i> , 2009, 166, 1581-1586.	3.5	23
53	Bilberry In Vitro Protocols and Analyses of Phenolic Compounds. <i>Methods in Molecular Biology</i> , 2009, 547, 71-80.	0.9	2
54	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

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55	Effect of wounding on chalcone synthase and pathogenesis related PR-10 gene expression and content of phenolic compounds in bilberry leaves. <i>Biologia Plantarum</i> , 2008, 52, 391-395.	1.9	15
56	Organ-specific distribution of phenolic compounds in bilberry (<i>Vaccinium myrtillus</i>) and "northblue"™ blueberry (<i>Vaccinium corymbosum</i> x <i>V. angustifolium</i>). <i>Food Chemistry</i> , 2008, 110, 156-160.	8.2	149
57	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
58	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
59	Does Extraction of DNA and RNA by Magnetic Fishing Work for Diverse Plant Species?. <i>Molecular Biotechnology</i> , 2004, 27, 209-216.	2.4	9
60	Activation of flavonoid biosynthesis by solar radiation in bilberry (<i>Vaccinium myrtillus</i> L.) leaves. <i>Planta</i> , 2004, 218, 721-728.	3.2	238
61	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
62	cDNA blotting offers an alternative method for gene expression studies. <i>Plant Molecular Biology Reporter</i> , 2001, 19, 125-128.	1.8	15
63	Title is missing!. <i>Plant Cell, Tissue and Organ Culture</i> , 2001, 66, 73-77.	2.3	46
64	Isolation of High Quality RNA from Bilberry (<i>Vaccinium myrtillus</i> L.) Fruit. <i>Molecular Biotechnology</i> , 2001, 19, 201-204.	2.4	354
65	The Coordinated Action of MYB Activators and Repressors Controls Proanthocyanidin and Anthocyanin Biosynthesis in <i>Vaccinium</i> . <i>Frontiers in Plant Science</i> , 0, 13, .	3.6	8