Laura Jaakola

List of Publications by Year
in descending order

65 papers	5,294 citations	117625 34 h-index	114465 63 g-index
68 all docs	68 docs citations	68 times ranked	5533 citing authors

#	Article	IF	Citations
1	New insights into the regulation of anthocyanin biosynthesis in fruits. Trends in Plant Science, 2013, 18, 477-483.	8.8	893
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.	4.8	404
3	Isolation of High Quality RNA from Bilberry (Vaccinium myrtillus L.) Fruit. Molecular Biotechnology, 2001, 19, 201-204.	2.4	354
4	Light-controlled flavonoid biosynthesis in fruits. Frontiers in Plant Science, 2014, 5, 534.	3.6	353
5	Effect of latitude on flavonoid biosynthesis in plants. Plant, Cell and Environment, 2010, 33, 1239-1247.	5.7	306
6	Activation of flavonoid biosynthesis by solar radiation in bilberry (Vaccinium myrtillus L.) leaves. Planta, 2004, 218, 721-728.	3.2	238
7	A SQUAMOSA MADS Box Gene Involved in the Regulation of Anthocyanin Accumulation in Bilberry Fruits Â Â. Plant Physiology, 2010, 153, 1619-1629.	4.8	232
8	Organ-specific distribution of phenolic compounds in bilberry (Vaccinium myrtillus) and â€˜northblueâ€™ blueberry (Vaccinium corymbosum x V. angustifolium). Food Chemistry, 2008, 110, 156-160.	8.2	149
9	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. Journal of Agricultural and Food Chemistry, 2009, 57, 9437-9447.	5.2	125
10	Effects of Temperature and Photoperiod on Yield and Chemical Composition of Northern and Southern Clones of Bilberry (<i>Vaccinium myrtillus</i> L.). Journal of Agricultural and Food Chemistry, 2012, 60, 10406-10414.	5.2	111
11	Developmental and Environmental Regulation of Cuticular Wax Biosynthesis in Fleshy Fruits. Frontiers in Plant Science, 2019, 10, 431.	3.6	102
12	Phenolic Composition and Antioxidant Capacity of Bilberry (Vaccinium myrtillus) Leaves in Northern Europe Following Foliar Development and Along Environmental Gradients. Journal of Chemical Ecology, 2010, 36, 1017-1028.	1.8	100
13	Effects of Latitude-Related Factors and Geographical Origin on Anthocyanidin Concentrations in Fruits of <i>Vaccinium myrtillus</i> L. (Bilberries). Journal of Agricultural and Food Chemistry, 2010, 58, 11939-11945.	5.2	99
14	Methyl Jasmonate: An Alternative for Improving the Quality and Health Properties of Fresh Fruits. Molecules, 2016, 21, 567.	3.8	99
15	Novel approaches based on DNA barcoding and high-resolution melting of amplicons for authenticity analyses of berry species. Food Chemistry, 2010, 123, 494-500.	8.2	92
16	Anthocyanin and Flavonol Variation in Bog Bilberries (<i>Vaccinium uliginosum</i> L.) in Finland. Journal of Agricultural and Food Chemistry, 2010, 58, 427-433.	5.2	87
17	Flavonoid biosynthesis and degradation play a role in early defence responses of bilberry (Vaccinium) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	84
18	Changes in the abscisic acid levels and related gene expression during fruit development and ripening in bilberry (Vaccinium myrtillus L.). Phytochemistry, 2013, 95, 127-134.	2.9	80

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19	On the Developmental and Environmental Regulation of Secondary Metabolism in Vaccinium spp. Berries. Frontiers in Plant Science, 2016, 7, 655.	3.6	80
20	Abscisic Acid Regulates Anthocyanin Biosynthesis and Gene Expression Associated With Cell Wall Modification in Ripening Bilberry (Vaccinium myrtillus L.) Fruits. Frontiers in Plant Science, 2018, 9, 1259.	3.6	73
21	Monochromatic light increases anthocyanin content during fruit development in bilberry. BMC Plant Biology, 2014, 14, 377.	3.6	68
22	Anthocyanin Profile in Berries of Wild and Cultivated <i>Vaccinium</i> spp. along Altitudinal Gradients in the Alps. Journal of Agricultural and Food Chemistry, 2015, 63, 8641-8650.	5.2	67
23	MYBA and MYBPA transcription factors coâ€regulate anthocyanin biosynthesis in blueâ€coloured berries. New Phytologist, 2021, 232, 1350-1367.	7.3	56
24	Anthocyanin fingerprinting for authenticity studies of bilberry (VacciniumÂmyrtillus L.). Food Control, 2013, 30, 662-667.	5.5	51
25	Red and blue light treatments of ripening bilberry fruits reveal differences in signalling through abscisic acidâ€regulated anthocyanin biosynthesis. Plant, Cell and Environment, 2021, 44, 3227-3245.	5.7	51
26	Phenolic compounds in berries and flowers of a natural hybrid between bilberry and lingonberry (VacciniumÃ—intermedium Ruthe). Phytochemistry, 2011, 72, 810-815.	2.9	49
27	Title is missing!. Plant Cell, Tissue and Organ Culture, 2001, 66, 73-77.	2.3	46
28	Modification of Sunlight Radiation through Colored Photo-Selective Nets Affects Anthocyanin Profile in Vaccinium spp. Berries. PLoS ONE, 2015, 10, e0135935.	2.5	45
29	Carotenoid metabolism during bilberry (Vaccinium myrtillus L.) fruit development under different light conditions is regulated by biosynthesis and degradation. BMC Plant Biology, 2016, 16, 95.	3.6	44
30	Compositional and morphological analyses of wax in northern wild berry species. Food Chemistry, 2019, 295, 441-448.	8.2	43
31	Spatiotemporal Modulation of Flavonoid Metabolism in Blueberries. Frontiers in Plant Science, 2020, 11, 545.	3.6	42
32	Ascorbic acid metabolism during bilberry (Vaccinium myrtillus L.) fruit development. Journal of Plant Physiology, 2012, 169, 1059-1065.	3.5	41
33	Metabolic and molecular analyses of white mutant Vaccinium berries show down-regulation of MYBPA1-type R2R3 MYB regulatory factor. Planta, 2015, 242, 631-643.	3.2	37
34	Phenolic compounds and antioxidant capacity in different-colored and non-pigmented berries of bilberry (Vaccinium myrtillus L.). Food Bioscience, 2017, 20, 67-78.	4.4	30
35	Reliable and practical methods for cryopreservation of embryogenic cultures and cold storage of somatic embryos of Norway spruce. Cryobiology, 2017, 76, 8-17.	0.7	28
36	A chromosomeâ€scale assembly of the bilberry genome identifies a complex locus controlling berry anthocyanin composition. Molecular Ecology Resources, 2022, 22, 345-360.	4.8	28

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37	Method based on electrophoresis and gel extraction for obtaining genomic DNA-free cDNA without DNase treatment. BioTechniques, 2004, 37, 744-748.	1.8	24
38	Altered regulation of TERMINAL FLOWER 1 causes the unique vernalisation response in an arctic woodland strawberry accession. New Phytologist, 2017, 216, 841-853.	7.3	24
39	Analysis of composition, morphology, and biosynthesis of cuticular wax in wild type bilberry (Vaccinium myrtillus L.) and its glossy mutant. Food Chemistry, 2021, 354, 129517.	8.2	24
40	Isolation and genotype-dependent, organ-specific expression analysis of a Rhodiola rosea cDNA encoding tyrosine decarboxylase. Journal of Plant Physiology, 2009, 166, 1581-1586.	3.5	23
41	Authentication of berries and berryâ€based food products. Comprehensive Reviews in Food Science and Food Safety, 2021, 20, 5197-5225.	11.7	23
42	Hierarchical regulation of <i>MYBPA1</i> by anthocyanin- and proanthocyanidin-related MYB proteins is conserved in <i>Vaccinium</i> species. Journal of Experimental Botany, 2022, 73, 1344-1356.	4.8	20
43	Resolving the developmental distribution patterns of polyphenols and related primary metabolites in bilberry (Vaccinium myrtillus) fruit. Food Chemistry, 2022, 374, 131703.	8.2	19
44	Genetic diversity and population structure of an important wild berry crop. AoB PLANTS, 2015, 7, plv117.	2.3	18
45	Molecular Cloning and Expression Analysis of hyp-1 Type PR-10 Family Genes in Hypericum perforatum. Frontiers in Plant Science, 2016, 7, 526.	3.6	17
46	Contrasting survival and physiological responses of sub-Arctic plant types to extreme winter warming and nitrogen. Planta, 2018, 247, 635-648.	3.2	17
47	Recognition of candidate transcription factors related to bilberry fruit ripening by de novo transcriptome and qRT-PCR analyses. Scientific Reports, 2018, 8, 9943.	3.3	16
48	cDNA blotting offers an alternative method for gene expression studies. Plant Molecular Biology Reporter, 2001, 19, 125-128.	1.8	15
49	Effect of wounding on chalcone synthase and pathogenesis related PR-10 gene expression and content of phenolic compounds in bilberry leaves. Biologia Plantarum, 2008, 52, 391-395.	1.9	15
50	Insights into sugar metabolism during bilberry (<scp><i>Vaccinium myrtillus</i></scp> L.) fruit development. Physiologia Plantarum, 2022, 174, e13657.	5.2	15
51	Changes in the Proanthocyanidin Composition and Related Gene Expression in Bilberry (<i>Vaccinium) Tj ETQq1 1 0.784314 rgBT /Over	5.2	14
52	Selection and validation of reliable reference genes for gene expression studies from Monilinia vaccinii-corymbosi infected wild blueberry phenotypes. Scientific Reports, 2020, 10, 11688.	3.3	13
53	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
54	Bilberry (Vaccinium myrtillus L.) Ecotypes. , 2016, , 83-99.		12

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55	Influence of Arctic light conditions on crop production and quality. Physiologia Plantarum, 2021, 172, 1931-1940.	5.2	12
56	Functional phenomics for improved climate resilience in Nordic agriculture. Journal of Experimental Botany, 2022, 73, 5111-5127.	4.8	10
57	Does Extraction of DNA and RNA by Magnetic Fishing Work for Diverse Plant Species?. Molecular Biotechnology, 2004, 27, 209-216.	2.4	9
58	The Coordinated Action of MYB Activators and Repressors Controls Proanthocyanidin and Anthocyanin Biosynthesis in Vaccinium. Frontiers in Plant Science, 0, 13, .	3.6	8
59	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
60	Impact of Multiple Ecological Stressors on a Sub-Arctic Ecosystem: No Interaction Between Extreme Winter Warming Events, Nitrogen Addition and Grazing. Frontiers in Plant Science, 2018, 9, 1787.	3.6	6
61	A dPCR Method for Quantitative Authentication of Wild Lingonberry (Vaccinium vitis-idaea) versus Cultivated American Cranberry (V. macrocarpon). Foods, 2022, 11, 1476.	4.3	6
62	Native Chilean Fruits and the Effects of their Functional Compounds on Human Health. , 2017, , .		3
63	Potential use of biofungicides and conventional fungicide for the management of Botrytis blossom blight in lowbush blueberries. Canadian Journal of Plant Pathology, 2021, 43, 704-713.	1.4	3
64	Elucidation of the molecular responses during the primary infection of wild blueberry phenotypes with Monilinia vaccinii-corymbosi under field conditions. BMC Plant Biology, 2021, 21, 493.	3.6	3
65	Bilberry In Vitro Protocols and Analyses of Phenolic Compounds. Methods in Molecular Biology, 2009, 547, 71-80.	0.9	2