

Paula Elomaa

List of Publications by Year in descending order

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68
papers

3,867
citations

101543

36
h-index

128289

60
g-index

70
all docs

70
docs citations

70
times ranked

3040
citing authors

#	ARTICLE	IF	CITATIONS
1	A TCP domain transcription factor controls flower type specification along the radial axis of the <i>Gerbera</i> (Asteraceae) inflorescence. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9117-9122.	7.1	229
2	Genome sequencing and population genomic analyses provide insights into the adaptive landscape of silver birch. Nature Genetics, 2017, 49, 904-912.	21.4	221
3	Organ identity genes and modified patterns of flower development in <i>Gerbera hybrida</i> (Asteraceae). Plant Journal, 1999, 17, 51-62.	5.7	220
4	New pathway to polyketides in plants. Nature, 1998, 396, 387-390.	27.8	186
5	Mutation in <i>TERMINAL FLOWER1</i> Reverses the Photoperiodic Requirement for Flowering in the Wild Strawberry <i>Fragaria vesca</i> . Plant Physiology, 2012, 159, 1043-1054.	4.8	158
6	Cloning of cDNA coding for dihydroflavonol-4-reductase (DFR) and characterization of <i>dfr</i> expression in the corollas of <i>Gerbera hybrida</i> var. Regina (Compositae). Plant Molecular Biology, 1993, 22, 183-193.	3.9	151
7	Activation of Anthocyanin Biosynthesis in <i>Gerbera hybrida</i> (Asteraceae) Suggests Conserved Protein-Protein and Protein-Promoter Interactions between the Anciently Diverged Monocots and Eudicots. Plant Physiology, 2003, 133, 1831-1842.	4.8	137
8	Evolution and Diversification of the CYC/TB1 Gene Family in Asteraceae--A Comparative Study in <i>Gerbera</i> (Mutisieae) and Sunflower (Heliantheae). Molecular Biology and Evolution, 2012, 29, 1155-1166.	8.9	127
9	GEG Participates in the Regulation of Cell and Organ Shape during Corolla and Carpel Development in <i>Gerbera hybrida</i> . Plant Cell, 1999, 11, 1093-1104.	6.6	125
10	Integration of reproductive meristem fates by a SEPALLATA-like MADS-box gene. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15817-15822.	7.1	113
11	The <i>Fragaria vesca</i> Homolog of SUPPRESSOR OF OVEREXPRESSION OF CONSTANS1 Represses Flowering and Promotes Vegetative Growth. Plant Cell, 2013, 25, 3296-3310.	6.6	113
12	Functional diversification of duplicated chalcone synthase genes in anthocyanin biosynthesis of <i>Gerbera hybrida</i> . New Phytologist, 2014, 201, 1469-1483.	7.3	104
13	Chalcone synthase-like genes active during corolla development are differentially expressed and encode enzymes with different catalytic properties in <i>Gerbera hybrida</i> (Asteraceae). Plant Molecular Biology, 1995, 28, 47-60.	3.9	99
14	Functional diversification of duplicated <i>CYC2</i> clade genes in regulation of inflorescence development in <i>Gerbera hybrida</i> (Asteraceae). Plant Journal, 2014, 79, 783-796.	5.7	98
15	Duplication and functional divergence in the chalcone synthase gene family of Asteraceae: evolution with substrate change and catalytic simplification.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 9033-9038.	7.1	94
16	Identification of target genes for a MYB-type anthocyanin regulator in <i>Gerbera hybrida</i> . Journal of Experimental Botany, 2008, 59, 3691-3703.	4.8	91
17	GRCD1, an AGL2-like MADS Box Gene, Participates in the C Function during Stamen Development in <i>Gerbera hybrida</i> . Plant Cell, 2000, 12, 1893-1902.	6.6	82
18	Agrobacterium-Mediated Transfer of Antisense Chalcone Synthase cDNA to <i>Gerbera hybrida</i> Inhibits Flower Pigmentation. Nature Biotechnology, 1993, 11, 508-511.	17.5	80

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19	Analysis of the floral transcriptome uncovers new regulators of organ determination and gene families related to flower organ differentiation in <i>Gerbera hybrida</i> (Asteraceae). <i>Genome Research</i> , 2005, 15, 475-486.	5.5	75
20	Transgene inactivation in <i>Petunia hybrida</i> is influenced by the properties of the foreign gene. <i>Molecular Genetics and Genomics</i> , 1995, 248, 649-656.	2.4	73
21	A bHLH transcription factor mediates organ, region and flower type specific signals on dihydroflavonol-4-reductase (<i>dfr</i>) gene expression in the inflorescence of <i>Gerbera hybrida</i> (Asteraceae). <i>Plant Journal</i> , 1998, 16, 93-99.	5.7	71
22	Identification of flowering genes in strawberry, a perennial SD plant. <i>BMC Plant Biology</i> , 2009, 9, 122.	3.6	65
23	Dynamic control of supplemental lighting intensity in a greenhouse environment. <i>Lighting Research and Technology</i> , 2013, 45, 295-304.	2.7	64
24	Gibberellin mediates daylength-controlled differentiation of vegetative meristems in strawberry (<i>Fragaria × ananassa</i> Duch). <i>BMC Plant Biology</i> , 2009, 9, 18.	3.6	58
25	Functional characterization of B class MADS-box transcription factors in <i>Gerbera hybrida</i> . <i>Journal of Experimental Botany</i> , 2010, 61, 75-85.	4.8	58
26	Virus-induced gene silencing for Asteraceae—a reverse genetics approach for functional genomics in <i>Gerbera hybrida</i> . <i>Plant Biotechnology Journal</i> , 2012, 10, 970-978.	8.3	54
27	<i>TERMINAL FLOWER 1</i> is a breeding target for a novel everbearing trait and tailored flowering responses in cultivated strawberry (<i>Fragaria × ananassa</i> Duch.). <i>Plant Biotechnology Journal</i> , 2016, 14, 1852-1861.	8.3	52
28	Patterns of MADS-box gene expression mark flower-type development in <i>Gerbera hybrida</i> (Asteraceae). <i>BMC Plant Biology</i> , 2006, 6, 11.	3.6	51
29	Flower heads in Asteraceae—recruitment of conserved developmental regulators to control the flower-like inflorescence architecture. <i>Horticulture Research</i> , 2018, 5, 36.	6.3	50
30	Co-opting floral meristem identity genes for patterning of the flower-like Asteraceae inflorescence. <i>Plant Physiology</i> , 2016, 172, pp.00779.2016.	4.8	49
31	Mining plant diversity: <i>Gerbera</i> as a model system for plant developmental and biosynthetic research. <i>BioEssays</i> , 2006, 28, 756-767.	2.5	48
32	Dissecting functions of <i>SEPALLATA</i> -like <i>MADS</i> box genes in patterning of the pseudanthial inflorescence of <i>Gerbera hybrida</i> . <i>New Phytologist</i> , 2017, 216, 939-954.	7.3	46
33	Characterization of <i>SQUAMOSA</i> -like genes in <i>Gerbera hybrida</i> , including one involved in reproductive transition. <i>BMC Plant Biology</i> , 2010, 10, 128.	3.6	44
34	Large scale interaction analysis predicts that the <i>Gerbera hybrida</i> floral E function is provided both by general and specialized proteins. <i>BMC Plant Biology</i> , 2010, 10, 129.	3.6	44
35	Light quality regulates flowering in <i>FvFT1/FvTFL1</i> dependent manner in the woodland strawberry <i>Fragaria vesca</i> . <i>Frontiers in Plant Science</i> , 2014, 5, 271.	3.6	42
36	Over-expression of the <i>Gerbera hybrida</i> <i>At-SOC1-like1</i> gene <i>Gh-SOC1</i> leads to floral organ identity deterioration. <i>Annals of Botany</i> , 2011, 107, 1491-1499.	2.9	38

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37	Transcriptional analysis of petal organogenesis in <i>Gerbera hybrida</i> . <i>Planta</i> , 2007, 226, 347-360.	3.2	35
38	A corolla-and carpel-abundant, non-specific lipid transfer protein gene is expressed in the epidermis and parenchyma of <i>Gerbera hybrida</i> var. <i>Regina</i> (Compositae). <i>Plant Molecular Biology</i> , 1994, 26, 971-978.	3.9	33
39	Reproductive meristem fates in <i>Gerbera</i> . <i>Journal of Experimental Botany</i> , 2006, 57, 3445-3455.	4.8	33
40	Molecular Control of Inflorescence Development in Asteraceae. <i>Advances in Botanical Research</i> , 2014, 72, 297-333.	1.1	33
41	TCP and MADS-Box Transcription Factor Networks Regulate Heteromorphic Flower Type Identity in <i>Gerbera hybrida</i> . <i>Plant Physiology</i> , 2020, 184, 1455-1468.	4.8	33
42	Phyllotactic patterning of gerbera flower heads. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	33
43	Transformation of antisense constructs of the chalcone synthase gene superfamily into <i>Gerbera hybrida</i> : differential effect on the expression of family members. <i>Molecular Breeding</i> , 1996, 2, 41.	2.1	29
44	Anthocyanin biosynthesis in gerbera cultivar 'Estelle'™ and its acyanic sport 'Ivory'™. <i>Planta</i> , 2015, 242, 601-611.	3.2	29
45	Modification of <i>Tobacco rattle virus</i> RNA1 to Serve as a VIGS Vector Reveals That the 29K Movement Protein Is an RNA Silencing Suppressor of the Virus. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 503-514.	2.6	25
46	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
47	Modification of Flower Colour using Genetic Engineering. <i>Biotechnology and Genetic Engineering Reviews</i> , 1994, 12, 63-88.	6.2	22
48	Evolutionary diversification of <i>CYC/TB1</i> -like TCP homologs and their recruitment for the control of branching and floral morphology in <i>Papaveraceae</i> (basal eudicots). <i>New Phytologist</i> , 2018, 220, 317-331.	7.3	22
49	Floral Developmental Genetics of <i>Gerbera</i> (Asteraceae). <i>Advances in Botanical Research</i> , 2006, , 323-351.	1.1	16
50	<i>Gerbera hybrida</i> (Asteraceae) imposes regulation at several anatomical levels during inflorescence development on the gene for dihydroflavonol-4-reductase. <i>Plant Molecular Biology</i> , 1995, 28, 935-941.	3.9	15
51	Effects of LED light spectra on lettuce growth and nutritional composition. <i>Lighting Research and Technology</i> , 2018, 50, 880-893.	2.7	15
52	Don't be fooled: false flowers in Asteraceae. <i>Current Opinion in Plant Biology</i> , 2021, 59, 101972.	7.1	14
53	Phyllotaxis without symmetry: what can we learn from flower heads?. <i>Journal of Experimental Botany</i> , 2022, 73, 3319-3329.	4.8	9
54	Expression of xyloglucan endotransglycosylases of <i>Gerbera hybrida</i> and <i>Betula pendula</i> in <i>Pichia pastoris</i> . <i>Journal of Biotechnology</i> , 2007, 130, 161-170.	3.8	7

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55	GEG Participates in the Regulation of Cell and Organ Shape during Corolla and Carpel Development in <i>Gerbera hybrida</i> . <i>Plant Cell</i> , 1999, 11, 1093.	6.6	6
56	PLANTING YEAR PROHEXADIONE-CALCIUM TREATMENT INCREASES THE CROPPING POTENTIAL AND YIELD OF STRAWBERRY. <i>Acta Horticulturae</i> , 2009, , 741-744.	0.2	5
57	Genetic purity of common bean seed generations (<i>Phaseolus vulgaris</i> cv. 'INTA ROJO') as tested with microsatellite markers. <i>Seed Science and Technology</i> , 2012, 40, 73-85.	1.4	4
58	Plant biotechnology for deeper understanding, wider use and further development of agricultural and horticultural crops. <i>Agricultural and Food Science</i> , 2008, 17, 307.	0.9	3
59	Re patterning of the inflorescence meristem in <i>Gerbera hybrida</i> after wounding. <i>Journal of Plant Research</i> , 2021, 134, 431-440.	2.4	2
60	GRCD1, an AGL2-Like MADS Box Gene, Participates in the C Function during Stamen Development in <i>Gerbera hybrida</i> . <i>Plant Cell</i> , 2000, 12, 1893.	6.6	1
61	Genetic diversity of native cultivated cacao accessions (<i>Theobroma cacao</i> L.) in Nicaragua. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2012, 10, 254-257.	0.8	1
62	My favourite flowering image: a capitulum of Asteraceae. <i>Journal of Experimental Botany</i> , 2019, 70, e6496-e6498.	4.8	1
63	Understanding capitulum development: <i>Gerbera hybrida</i> inflorescence meristem as an experimental system. <i>Capitulum</i> , 2022, 1, .	0.1	1
64	IDENTIFICATION OF FLOWERING RELATED CANDIDATE GENES FROM <i>FRAGARIA VESCA</i> USING EST SEQUENCING. <i>Acta Horticulturae</i> , 2009, , 459-462.	0.2	0
65	Gerberan karvasaineet suojaavat hyönteisherbivorialta. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2010, , 1-5.	0.0	0
66	Ahomansikan kukintaan vaikuttavien geenien karakterisointi. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2010, , 1-5.	0.0	0
67	Mansikan kukintageenien identifiointi. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2010, , 1-4.	0.0	0
68	Valon spektri sätelee ahomansikan (<i>Fragaria vesca</i> L.) rasisyntyä ja kukintainduktiota. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2010, , 1-4.	0.0	0