

Anne Y Fennell

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,843
citations

304743

22
h-index

276875

41
g-index

59
all docs

59
docs citations

59
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative analysis of grapevine whole-genome gene predictions, functional annotation, categorization and integration of the predicted gene sequences. BMC Research Notes, 2012, 5, 213.	1.4	176
2	VitisNet: Omics Integration through Grapevine Molecular Networks. PLoS ONE, 2009, 4, e8365.	2.5	153
3	Freezing Tolerance and Injury in Grapevines. Journal of Crop Improvement, 2004, 10, 201-235.	1.7	122
4	Photoperiod Influences Growth, Bud Dormancy, and Cold Acclimation in <i>Vitis labruscana</i> and <i>V. riparia</i> . Journal of the American Society for Horticultural Science, 1991, 116, 270-273.	1.0	116
5	Transcript profiling in <i>Vitis riparia</i> during chilling requirement fulfillment reveals coordination of gene expression patterns with optimized bud break. Functional and Integrative Genomics, 2009, 9, 81-96.	3.5	99
6	A next-generation marker genotyping platform (AmpSeq) in heterozygous crops: a case study for marker-assisted selection in grapevine. Horticulture Research, 2016, 3, 16002.	6.3	90
7	Rapid acclimation of root hydraulic conductivity to low temperature. Journal of Experimental Botany, 1998, 49, 879-884.	4.8	78
8	Dormancy in grape buds: isolation and characterization of catalase cDNA and analysis of its expression following chemical induction of bud dormancy release. Plant Science, 2002, 162, 121-130.	3.6	66
9	Morphological, physiological and dormancy responses of three <i>Vitis</i> genotypes to short photoperiod. Physiologia Plantarum, 2000, 109, 203-210.	5.2	65
10	QUBIC: a bioconductor package for qualitative biclustering analysis of gene co-expression data. Bioinformatics, 2017, 33, 450-452.	4.1	58
11	Electroporation and PEG delivery of DNA into maize microspores. Plant Cell Reports, 1992, 11, 567-70.	5.6	56
12	Haplotyping the <i>Vitis</i> collinear core genome with rhAmpSeq improves marker transferability in a diverse genus. Nature Communications, 2020, 11, 413.	12.8	52
13	Differential floral development and gene expression in grapevines during long and short photoperiods suggests a role for floral genes in dormancy transitioning. Plant Molecular Biology, 2010, 73, 191-205.	3.9	49
14	Short day transcriptomic programming during induction of dormancy in grapevine. Frontiers in Plant Science, 2015, 6, 834.	3.6	48
15	Next Generation Mapping of Enological Traits in an F2 Interspecific Grapevine Hybrid Family. PLoS ONE, 2016, 11, e0149560.	2.5	40
16	Rootstock effects on scion phenotypes in a "Chambourcin"™ experimental vineyard. Horticulture Research, 2019, 6, 64.	6.3	37
17	Mapping of Photoperiod-induced Growth Cessation in the Wild Grape <i>Vitis riparia</i> . Journal of the American Society for Horticultural Science, 2009, 134, 261-272.	1.0	37
18	An integrative and applicable phylogenetic footprinting framework for cis-regulatory motifs identification in prokaryotic genomes. BMC Genomics, 2016, 17, 578.	2.8	32

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19	Multiple independent recombinations led to hermaphroditism in grapevine. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	32
20	IRIS-EDA: An integrated RNA-Seq interpretation system for gene expression data analysis. PLoS Computational Biology, 2019, 15, e1006792.	3.2	27
21	Proteomic analysis of shoot tissue during photoperiod induced growth cessation in <i>V. riparia</i> Michx. grapevines. Proteome Science, 2010, 8, 44.	1.7	23
22	Systems and Approaches to Studying Dormancy: Introduction to the Workshop. Hortscience: A Publication of the American Society for Horticultural Science, 1999, 34, 1172-1173.	1.0	23
23	Identification and Characterization of Mitogen-Activated Protein Kinase (MAPK) Genes in Sunflower (<i>Helianthus annuus</i> L.). Plants, 2019, 8, 28.	3.5	21
24	Evaluation of Volatile Metabolites Emitted In-Vivo from Cold-Hardy Grapes during Ripening Using SPME and GC-MS: A Proof-of-Concept. Molecules, 2019, 24, 536.	3.8	19
25	Genomics and Functional Genomics of Winter Low Temperature Tolerance in Temperate Fruit Crops. Critical Reviews in Plant Sciences, 2014, 33, 125-140.	5.7	18
26	Draft genome of the Native American cold hardy grapevine <i>Vitis riparia</i> Michx. "Manitoba 37"™. Horticulture Research, 2020, 7, 92.	6.3	18
27	Identifying Differential Tissue Response in Grape (<i>Vitis riparia</i>) During Induction of Endodormancy Using Nuclear Magnetic Resonance Imaging. Journal of the American Society for Horticultural Science, 2001, 126, 681-688.	1.0	18
28	Influence of air and soil temperature on water relations and freezing tolerance of spinach (<i>Spinacia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	5.2	16
29	Evaluation of Tannins and Anthocyanins in Marquette, Frontenac, and St. Croix Cold-Hardy Grape Cultivars. Fermentation, 2017, 3, 47.	3.0	16
30	Transcriptomic response is more sensitive to water deficit in shoots than roots of <i>Vitis riparia</i> (Michx.). BMC Plant Biology, 2019, 19, 72.	3.6	16
31	Use of 1H-NMR to Determine Grape Bud Water State during the Photoperiodic Induction of Dormancy. Journal of the American Society for Horticultural Science, 1996, 121, 1112-1116.	1.0	16
32	Comparison of three assembly strategies for a heterozygous seedless grapevine genome assembly. BMC Genomics, 2018, 19, 57.	2.8	15
33	A Novel Grape Downy Mildew Resistance Locus from <i>Vitis rupestris</i> . American Journal of Enology and Viticulture, 2021, 72, 12-20.	1.7	15
34	Auxin and cytokinin related gene expression during active shoot growth and latent bud paradormancy in <i>Vitis riparia</i> grapevine. Journal of Plant Physiology, 2012, 169, 643-648.	3.5	14
35	Protein identification and quantification from riverbank grape, <i>Vitis riparia</i> : Comparing SDS-PAGE and FASP-GPF techniques for shotgun proteomic analysis. Proteomics, 2015, 15, 3061-3065.	2.2	14
36	Shotgun proteomic analysis of photoperiod regulated dormancy induction in grapevine. Journal of Proteomics, 2018, 187, 13-24.	2.4	14

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37	Genetic analysis of stilbenoid profiles in grapevine stems reveals a major mQTL hotspot on chromosome 18 associated with disease-resistance motifs. <i>Horticulture Research</i> , 2019, 6, 121.	6.3	13
38	Effects of Harvest Time on the Aroma of White Wines Made from Cold-Hardy Brianna and Frontenac Gris Grapes Using Headspace Solid-Phase Microextraction and Gas Chromatography-Mass Spectrometry-Olfactometry. <i>Foods</i> , 2019, 8, 29.	4.3	11
39	Genomic Designing for Biotic Stress Resistant Grapevine. , 2022, , 87-255.		11
40	Multi-dimensional leaf phenotypes reflect root system genotype in grafted grapevine over the growing season. <i>GigaScience</i> , 2021, 10, .	6.4	11
41	Influence of air and soil temperature on water relations and freezing tolerance of spinach (<i>Spinacia</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	3.2	10
42	Physiological and molecular characterisation of lucerne (<i>Medicago sativa</i> L.) germplasm with improved seedling freezing tolerance. <i>Crop and Pasture Science</i> , 2016, 67, 655.	1.5	10
43	Water Deficit Transcriptomic Responses Differ in the Invasive <i>Tamarix chinensis</i> and <i>T. ramosissima</i> Established in the Southern and Northern United States. <i>Plants</i> , 2020, 9, 86.	3.5	10
44	Determination of Selected Aromas in Marquette and Frontenac Wine Using Headspace-SPME Coupled with GC-MS and Simultaneous Olfactometry. <i>Separations</i> , 2018, 5, 20.	2.4	8
45	Temperature Response of Plasma Membranes in Tuber-Bearing <i>Solanum</i> Species. <i>Plant Physiology</i> , 1986, 80, 470-472.	4.8	6
46	Fruit Breeding for the Northern Great Plains at the University of Minnesota and South Dakota State University. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2006, 41, 25-26.	1.0	6
47	Integrative Analysis of Gene Expression and miRNAs Reveal Biological Pathways Associated with Bud Paradormancy and Endodormancy in Grapevine. <i>Plants</i> , 2021, 10, 669.	3.5	5
48	Berry Anthocyanin, Acid, and Volatile Trait Analyses in a Grapevine-Interspecific F2 Population Using an Integrated GBS and rhAmpSeq Genetic Map. <i>Plants</i> , 2022, 11, 696.	3.5	5
49	Increases in vein length compensate for leaf area lost to lobing in grapevine. <i>American Journal of Botany</i> , 2022, 109, 1063-1073.	1.7	5
50	Biogenic Volatiles Emitted from Four Cold-Hardy Grape Cultivars During Ripening. <i>Data</i> , 2019, 4, 22.	2.3	4
51	Oshãj (bear root) <i>Ligusticum porteri</i> J.M. Coult. & Rose var. <i>porteri</i> . <i>Native Plants Journal</i> , 2009, 10, 110-118.	0.2	4
52	Freezing Tolerance and Chilling Fulfillment Differences in Cold Climate Grape Cultivars. <i>Horticulturae</i> , 2021, 7, 4.	2.8	3
53	Early Acclimation Response in Grapes (<i>VITIS</i>). , 2002, , 93-107.		2
54	(119) Mycorrhizal Effects on Grape Acclimation. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2006, 41, 1068B-1068.	1.0	2

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55	Toward the elucidation of cytoplasmic diversity in North American grape breeding programs. <i>Molecular Breeding</i> , 2016, 36, 1.	2.1	1
56	Nuclear Magnetic Resonance Imaging of Grape Buds during the Photoperiodic Induction of Dormancy. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1995, 30, 898D-898.	1.0	1