Janet P Slovin

List of Publications by Year
in descending order

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58 papers	4,327 citations	172457 29 h-index	149698 56 g-index
58 all docs	58 docs citations	58 times ranked	4654 citing authors

#	Article	IF	Citations
1	The genome of woodland strawberry (Fragaria vesca). Nature Genetics, 2011, 43, 109-116.	21.4	1,091
2	¹³C₆-[Benzene Ring]-Indole-3-Acetic Acid. Plant Physiology, 1986, 80, 14-19.	4.8	246
3	Indole-3-Acetic Acid Biosynthesis in the Mutant Maize orange pericarp, a Tryptophan Auxotroph. Science, 1991, 254, 998-1000.	12.6	240
4	A Simplified Method for Differential Staining of Aborted and Non-Aborted Pollen Grains. International Journal of Plant Biology, 2010, 1, e13.	2.6	226
5	Single-molecule sequencing and optical mapping yields an improved genome of woodland strawberry (Fragaria vesca) with chromosome-scale contiguity. GigaScience, 2018, 7, 1-7.	6.4	209
6	Rethinking Auxin Biosynthesis and Metabolism. Plant Physiology, 1995, 107, 323-329.	4.8	200
7	Modified expression of a carrot small heat shock protein gene, Hsp17.7, results in increased or decreased thermotolerance. Plant Journal, 1999, 20, 89-99.	5.7	198
8	Floral Transcriptomes in Woodland Strawberry Uncover Developing Receptacle and Anther Gene Networks. Plant Physiology, 2014, 165, 1062-1075.	4.8	167
9	Flower and early fruit development in a diploid strawberry, Fragaria vesca. Planta, 2012, 235, 1123-1139.	3.2	105
10	Profiling polyphenols of two diploid strawberry (Fragaria vesca) inbred lines using UHPLC-HRMSn. Food Chemistry, 2014, 146, 289-298.	8.2	96
11	Stable Isotope Labeling, in Vivo, of d- and l-Tryptophan Pools in Lemna gibba and the Low Incorporation of Label into Indole-3-Acetic Acid. Plant Physiology, 1991, 95, 1203-1208.	4.8	94
12	Two genetically discrete pathways convert tryptophan to auxin: more redundancy in auxin biosynthesis. Trends in Plant Science, 2003, 8, 197-199.	8.8	92
13	Purified Î³-Glutamyl Transpeptidases from Tomato Exhibit High Affinity for Glutathione and GlutathioneS-Conjugates. Plant Physiology, 2000, 122, 1417-1426.	4.8	84
14	Analysis of gene expression associated with cold acclimation in blueberry floral buds using expressed sequence tags. Plant Science, 2004, 166, 863-872.	3.6	80
15	An inbred line of the diploid strawberry Fragaria vesca f. semperflorens for genomic and molecular genetic studies in the Rosaceae. Plant Methods, 2009, 5, 15.	4.3	78
16	Auxin metabolism in representative land PLANTS. American Journal of Botany, 1995, 82, 1514-1521.	1.7	72
17	A gene encoding a protein modified by the phytohormone indoleacetic acid. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1718-1723.	7.1	70
18	Re-annotation of the woodland strawberry (Fragaria vesca) genome. BMC Genomics, 2015, 16, 29.	2.8	60

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19	Auxin Biosynthesis and Metabolism. , 2010, , 36-62.		59
20	Indole-3-Acetic Acid Metabolism in Lemna gibbaUndergoes Dynamic Changes in Response to Growth Temperature. Plant Physiology, 2002, 128, 1410-1416.	4.8	55
21	Development of EST-PCR Markers for DNA Fingerprinting and Genetic Relationship Studies in Blueberry (Vaccinium, section Cyanococcus). Journal of the American Society for Horticultural Science, 2003, 128, 682-690.	1.0	50
22	A roadmap for research in octoploid strawberry. Horticulture Research, 2020, 7, 33.	6.3	47
23	Comparison of a Commercial ELISA Assay for Indole-3-Acetic Acid at Several Stages of Purification and Analysis by Gas Chromatography-Selected Ion Monitoring-Mass Spectrometry Using a ¹³C₆-Labeled Internal Standard. Plant Physiology, 1987, 84, 982-986.	4.8	45
24	SGR: an online genomic resource for the woodland strawberry. BMC Plant Biology, 2013, 13, 223.	3.6	45
25	Levels of Indole-3-Acetic Acid in Lemna gibba G-3 and in a Large Lemna Mutant Regenerated from Tissue Culture. Plant Physiology, 1988, 86, 522-526.	4.8	39
26	Title is missing!. Plant Growth Regulation, 1999, 27, 139-144.	3.4	39
27	Auxins and polyamines in relation to differential in vitro root induction on microcuttings of two pear cultivars. Journal of Plant Growth Regulation, 1995, 14, 49-59.	5.1	37
28	Isolation of a cDNA clone and characterization of expression of the highly abundant, cold acclimation-associated 14kDa dehydrin of blueberry. Plant Science, 2005, 168, 949-957.	3.6	35
29	Auxin. New Comprehensive Biochemistry, 1999, , 115-140.	0.1	34
30	Auxin Metabolism in Representative Land Plants. American Journal of Botany, 1995, 82, 1514.	1.7	30
31	The biosynthetic pathway for indole-3-acetic acid changes during tomato fruit development. Plant Growth Regulation, 2002, 38, 15-20.	3.4	29
32	mRNA species regulated during the differentiation of HL-60 cells to macrophages and neutrophils. Developmental Biology, 1987, 119, 164-174.	2.0	28
33	Overexpression of Maize IAGLU in Arabidopsis thaliana Alters Plant Growth and Sensitivity to IAA but not IBA and 2,4-D. Journal of Plant Growth Regulation, 2005, 24, 127-141.	5.1	28
34	EST-SSR markers from Fragaria vesca L. cv. Yellow Wonder. Molecular Ecology Notes, 2006, 6, 806-809.	1.7	23
35	Strawberry fruit protein with a novel indole-acyl modification. Planta, 2006, 224, 1015-1022.	3.2	23
36	Indole-3-acetic acid, ethylene, and abscisic acid metabolism in developing muskmelon (Cucumis melo L.) fruit. Plant Growth Regulation, 1996, 19, 45-54.	3.4	22

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37	Acylphloroglucinol biosynthesis in strawberry fruit. Plant Physiology, 2015, 169, pp.00794.2015.	4.8	22
38	Proteomic analysis of the effects of gibberellin on increased fruit sink strength in Asian pear (Pyrus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.6	20
39	Transgenic Tomato Plants with a Modified Ability to Synthesize Indole-3-acetyl-Î²-1-O-D -glucose. Journal of Plant Growth Regulation, 2005, 24, 142-152.	5.1	17
40	A standard nomenclature for gene designation in the Rosaceae. Tree Genetics and Genomes, 2015, 11, 1.	1.6	17
41	Title is missing!. Plant Growth Regulation, 1997, 21, 215-221.	3.4	16
42	Delaying Flowering in Short-Day Strawberry Transplants with Photoselective Nets. International Journal of Fruit Science, 2010, 10, 134-142.	2.4	14
43	An improved method for fast and selective separation of carotenoids by LCâ€“MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1067, 34-37.	2.3	14
44	Indole-3-acetylaspartate and indole-3-acetylglutamate, the IAA-amide conjugates in the diploid strawberry achene, are hydrolyzed in growing seedlings. Planta, 2019, 249, 1073-1085.	3.2	14
45	Confirmation of cross-pollination of Ardisia crenata by sequence-characterized amplified region (SCAR) markers. Scientia Horticulturae, 2006, 109, 361-367.	3.6	13
46	Flowering and Seed Production across the Lemnaceae. International Journal of Molecular Sciences, 2021, 22, 2733.	4.1	13
47	The Effects of Heat Treatment on the Gene Expression of Several Heat Shock Protein Genes in Two Cultivars of Strawberry. International Journal of Fruit Science, 2016, 16, 239-248.	2.4	12
48	Symptom Development in Response to Combined Infection of In Vitro-grown Lilium longiflorum with Pratylenchus penetrans and Soilborne Fungi Collected from Diseased Roots of Field-grown Lilies. Plant Disease, 2017, 101, 882-889.	1.4	11
49	Candidate gene identification of existing or induced mutations with pipelines applicable to large genomes. Plant Journal, 2019, 97, 673-682.	5.7	11
50	AUXIN METABOLISM IN RELATION TO FRUIT RIPENING. Acta Horticulturae, 1993, , 84-89.	0.2	9
51	Continuous light alters indole-3-acetic acid metabolism in lemna gibba. Phytochemistry, 1998, 49, 17-21.	2.9	9
52	Synthesis of 14C-labeled halogen substituted indole-3-acetic acids. Journal of Labelled Compounds and Radiopharmaceuticals, 1985, 22, 279-285.	1.0	7
53	Abiotic Stressâ€Related Expressed Sequence Tags from the Diploid Strawberry Fragaria vesca f. semperflorens. Plant Genome, 2011, 4, .	2.8	7
54	Plant Hormones. , 2010, , 9-125.		6

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55	The Use of Aerated Steam as a Heat Treatment for Managing Angular Leaf Spot in Strawberry Nursery Production and Its Effect on Plant Yield. PhytoFrontiers, 2021, 1, 104-119.	1.6	6
56	Dehydration intolerant seeds of Ardisia species accumulate storage and stress proteins during development. Horticulture Environment and Biotechnology, 2012, 53, 530-538.	2.1	5
57	Glyphosine, a plant growth regulator, affects chloroplast membrane proteins. Biochimica Et Biophysica Acta - Bioenergetics, 1981, 637, 177-184.	1.0	4
58	Analysis of genetic relationships ofArdisiaspp. using RAPD markers. Journal of Horticultural Science and Biotechnology, 2003, 78, 24-28.	1.9	4