Douglas D Archbold

List of Publications by Year
in descending order

54 papers	1,275 citations	331670 21 h-index	361022 35 g-index
55 all docs	55 docs citations	55 times ranked	1309 citing authors

#	Article	IF	Citations
1	Salicylic acid pretreatment alleviates chilling injury and affects the antioxidant system and heat shock proteins of peaches during cold storage. Postharvest Biology and Technology, 2006, 41, 244-251.	6.0	255
2	Survival of Escherichia coli O157:H7 on Strawberry Fruit and Reduction of the Pathogen Population by Chemical Agents. Journal of Food Protection, 2001, 64, 1334-1340.	1.7	90
3	(E)-2-Hexenal Can Stimulate Botrytis cinerea Growth in vitro and on Strawberries in vivo during Storage. Journal of the American Society for Horticultural Science, 1998, 123, 875-881.	1.0	63
4	Biosynthesis oftrans-2-Hexenal in Response to Wounding in Strawberry Fruit. Journal of Agricultural and Food Chemistry, 2006, 54, 1442-1448.	5.2	59
5	Production of the Long-Chain Alcohols Octanol, Decanol, and Dodecanol by Escherichia coli. Current Microbiology, 2005, 51, 82-86.	2.2	55
6	Heat Treatment Temporarily Inhibits Aroma Volatile Compound Emission from Golden Delicious Apples. Journal of Agricultural and Food Chemistry, 1997, 45, 4038-4041.	5.2	52
7	Volatile Compounds fromEscherichia coliO157:H7 and Their Absorption by Strawberry Fruit. Journal of Agricultural and Food Chemistry, 2000, 48, 413-417.	5.2	43
8	Carbohydrate availability modifies sorbitol dehydrogenase activity of apple fruit. Physiologia Plantarum, 1999, 105, 391-395.	5.2	42
9	Sorbitol dehydrogenase expression and activity during apple fruit set and early development. Physiologia Plantarum, 2004, 121, 391-398.	5.2	41
10	Tissue-specific expression of SORBITOL DEHYDROGENASE in apple fruit during early development. Journal of Experimental Botany, 2007, 58, 1863-1872.	4.8	39
11	Solute Accumulation in Leaves of a Fragaria chiloensis and a F. virginiana Selection Responds to Water Deficit Stress. Journal of the American Society for Horticultural Science, 1993, 118, 280-285.	1.0	37
12	The role of SORBITOL DEHYDROGENASE in Arabidopsis thaliana. Functional Plant Biology, 2012, 39, 462.	2.1	35
13	Ripening pawpaw fruit exhibit respiratory and ethylene climacterics. Postharvest Biology and Technology, 2003, 30, 99-103.	6.0	34
14	Interaction with and Effects on the Profile of Proteins ofBotrytiscinereaby C6Aldehydes. Journal of Agricultural and Food Chemistry, 2007, 55, 2182-2188.	5.2	31
15	Emission patterns of wound volatile compounds following injury of ripe strawberry fruit. Journal of the Science of Food and Agriculture, 2003, 83, 283-288.	3.5	30
16	Fumigating `Crimson Seedless' Table Grapes with (E)-2-Hexenal Reduces Mold during Long-term Postharvest Storage. Hortscience: A Publication of the American Society for Hortcultural Science, 1999, 34, 705-707.	1.0	30
17	Pawpaw Fruit Chilling Injury and Antioxidant Protection. Journal of the American Society for Horticultural Science, 2009, 134, 466-471.	1.0	29
18	Molecular identification of predation by carabid beetles on exotic and native slugs in a strawberry agroecosystem. Biological Control, 2011, 56, 245-253.	3.0	27

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19	Sorbitol Dehydrogenase Gene Expression and Enzyme Activity in Apple: Tissue Specificity during Bud Development and Response to Rootstock Vigor and Growth Manipulation. Journal of the American Society for Horticultural Science, 2010, 135, 379-387.	1.0	25
20	Ripening and Postharvest Storage of Pawpaw. HortTechnology, 2003, 13, 439-441.	0.9	24
21	Inhibition of pollen germination by volatile compounds including 2-hexenal and 3-hexenal. Journal of Agricultural and Food Chemistry, 1991, 39, 952-956.	5.2	21
22	Loss of Ripening Capacity of Pawpaw Fruit with Extended Cold Storage. Journal of Agricultural and Food Chemistry, 2008, 56, 10683-10688.	5.2	16
23	Effects of Phenolic Compounds on Growth of Colletotrichum spp. In Vitro. Current Microbiology, 2018, 75, 550-556.	2.2	16
24	Pawpaw [Asimina triloba (L.) Dunal] Fruit Ripening. II. Activity of Selected Cell-wall Degrading Enzymes. Journal of the American Society for Horticultural Science, 2005, 130, 643-648.	1.0	16
25	Membrane Competence among and within Fragaria Species Varies in Response to Dehydration Stress. Journal of the American Society for Horticultural Science, 1998, 123, 808-813.	1.0	15
26	Nitrogen Partitioning by `Chester Thornless' Blackberry in Pot Culture. Hortscience: A Publication of the American Society for Hortcultural Science, 1991, 26, 1492-1494.	1.0	14
27	Comparative analyses of polyphenolic composition of Fragaria spp. color mutants. Plant Physiology and Biochemistry, 2018, 125, 255-261.	5.8	13
28	Water Relations of a Fragaria chiloensis and a F. virginiana Selection during and After Water Deficit Stress. Journal of the American Society for Horticultural Science, 1993, 118, 274-279.	1.0	13
29	Seasonal and Cropping Effects on Total and Fertilizer Nitrogen Use in June-bearing and Day-neutral Strawberries. Journal of the American Society for Horticultural Science, 1995, 120, 403-408.	1.0	12
30	Effects of abiotic stresses on sorbitol biosynthesis and metabolism in tomato (Solanum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (ly	2.1	10
31	Preharvest Aminoethoxyvinylglycine Plus Postharvest Heat Treatments Influence Apple Fruit Ripening after Cold Storage. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 1637-1640.	1.0	10
32	Effect of hexanal vapour on longan fruit decay, quality and phenolic metabolism during cold storage. International Journal of Food Science and Technology, 2010, 45, 2313-2320.	2.7	9
33	Daylength and Resistance of Strawberry Foliage to the Twospotted Spider Mite. Hortscience: A Publication of the American Society for Hortcultural Science, 1994, 29, 1329-1331.	1.0	9
34	Apple Tree Responses to Deficit Irrigation Combined with Periodic Applications of Particle Film or Abscisic Acid. Horticulturae, 2016, 2, 16.	2.8	8
35	Combined Effects of Fertilizer, Irrigation, and Paclobutrazol on Yield and Fruit Quality of Mango. Horticulturae, 2016, 2, 14.	2.8	7
36	Pawpaw [Asimina triloba (L.) Dunal] Fruit Ripening. I. Ethylene Biosynthesis and Production. Journal of the American Society for Horticultural Science, 2005, 130, 638-642.	1.0	7

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37	Fertility Source and Drought Stress Effects on Plant Growth and Essential Oil Production of Calendula officinalis. Hortscience: A Publication of the American Society for Hortcultural Science, 2016, 51, 342-348.	1.0	6
38	Nitrogen Availability and Fruiting Influence Nitrogen Cycling in Strawberry. Journal of the American Society for Horticultural Science, 1997, 122, 134-139.	1.0	6
39	Cultivar-specific Apple Fruit Growth Rates in Vivo and Sink Activities in Vitro. Journal of the American Society for Horticultural Science, 1992, 117, 459-462.	1.0	5
40	Developmental Variation in Fruit Polyphenol Content and Related Gene Expression of a Red-Fruited versus a White-Fruited Fragaria vesca Genotype. Horticulturae, 2018, 4, 30.	2.8	4
41	Manipulating Primocane Architecture in Thornless Blackberry with Uniconazole, GA3, and BA. Hortscience: A Publication of the American Society for Hortcultural Science, 1992, 27, 116-118.	1.0	4
42	Horticulturae â€" An International, Multidisciplinary, Open Access Journal. Horticulturae, 2015, 1, 1-2.	2.8	2
43	Rapid In Vitro Multiplication of Non-Runnering Fragaria vesca Genotypes from Seedling Shoot Axillary Bud Explants. Horticulturae, 2020, 6, 51.	2.8	2
44	Effects of Aminoethoxyvinylglycine Plus 1-Methylcyclopropene on â€˜Royal Galaâ€™ Apple Volatile Production After Cold Storage. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 1390-1394.	1.0	2
45	Cropload Management of â€˜Vidal blancâ€™ Improves Primary Bud Cold Hardiness and Maintains Berry Composition in the Lower Midwestern United States. Hortscience: A Publication of the American Society for Hortcultural Science, 2014, 49, 874-880.	1.0	2
46	An Assessment of Organic Apple Production in Kentucky. HortTechnology, 2015, 25, 154-161.	0.9	2
47	Plant Volatiles Inhibit Pollen Germination of Apple and Other Species. Hortscience: A Publication of the American Society for Hortcultural Science, 1992, 27, 267.	1.0	1
48	REGULATION OF APPLE FRUIT GROWTH RATE BY TURGOR PRESSURE?. Hortscience: A Publication of the American Society for Hortcultural Science, 1992, 27, 625e-625.	1.0	1
49	Best Papers Introduction. Horticulturae, 2021, 7, 186.	2.8	0
50	Understanding Floral Induction and Morphogenesis: An Introduction to the Colloquium. Hortscience: A Publication of the American Society for Hortcultural Science, 2003, 38, 1324.	1.0	0
51	Patterns of Sorbitol Metabolism and Availability during Apple Fruit Set. Hortscience: A Publication of the American Society for Hortcultural Science, 2004, 39, 887B-887.	1.0	0
52	(53) Do Pawpaw Varieties Behave Differently during Ripening and Cold Storage?. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 1088C-1088.	1.0	0
53	391 Compression Bruising Alters the Strawberry Volatile Profile. Hortscience: A Publication of the American Society for Hortcultural Science, 1999, 34, 511C-511.	1.0	0
54	Feature Papers in Horticulturae. Horticulturae, 2022, 8, 63.	2.8	0