Stanley H Duke

List of Publications by Year
in descending order

68 papers	2,031 citations	218592 26 h-index	265120 42 g-index
69 all docs	69 docs citations	69 times ranked	843 citing authors

#	Article	IF	Citations
1	Comparison of Wort Osmolyte Concentration and Malt Extract to Wort Sugars from Malting Barley Breeding Lines. Journal of the American Society of Brewing Chemists, 2022, 80, 43-52.	0.8	0
2	Description and functional analysis of the transcriptome from malting barley. Genomics, 2021, 113, 3310-3324.	1.3	7
3	<i>De novo</i> Expression of Î²-amylase2 (<i>Bmy2</i>) in Barley Grains During Micromalting. Journal of the American Society of Brewing Chemists, 2020, 78, 126-135.	0.8	6
4	Maltose Effects on Barley Malt Î²-Amylase Activity and Thermostability at Low Isothermal Mashing Temperatures. Journal of the American Society of Brewing Chemists, 2020, 78, 207-218.	0.8	5
5	Comparisons of Modern United States and Canadian Malting Barley Cultivars with Those from Pre-Prohibition: V. Bmy1 Intron III Alleles and Grain Î²-Amylase Activity and Thermostability. Journal of the American Society of Brewing Chemists, 2019, 77, 62-68.	0.8	2
6	Comparative gene expression analysis of the Î²-amylase and hordein gene families in the developing barley grain. Gene, 2019, 693, 127-136.	1.0	17
7	Comparisons of Modern U. S. and Canadian Malting Barley Cultivars with Those from Pre-Prohibition: III. Wort Sugar Production during Mashing. Journal of the American Society of Brewing Chemists, 2018, 76, 96-111.	0.8	6
8	Comparisons of Modern United States and Canadian Malting Barley Cultivars with Those from Pre-Prohibition: IV. Malting Quality Assessments Using Standard and Nonstandard Measures. Journal of the American Society of Brewing Chemists, 2018, 76, 156-168.	0.8	2
9	Comparisons of Modern U.S. and Canadian Malting Barley Cultivars with Those from Pre-Prohibition: II. Amylolytic Enzyme Activities and Thermostabilities. Journal of the American Society of Brewing Chemists, 2018, 76, 38-49.	0.8	9
10	Comparisons of Modern U.S. and Canadian Malting Barley Cultivars with Those from Pre-Prohibition: Malt Extract and Osmolyte Concentration. Journal of the American Society of Brewing Chemists, 2017, 75, 85-92.	0.8	6
11	Maltose Effects on Barley Malt Diastatic Power Enzyme Activity and Thermostability at High Isothermal Mashing Temperatures: II. Î±-Amylase. Journal of the American Society of Brewing Chemists, 2016, 74, 113-126.	0.8	9
12	Maltose Effects on Barley Malt Diastatic Power Enzyme Activity and Thermostability at High Isothermal Mashing Temperatures: I. Î²-Amylase. Journal of the American Society of Brewing Chemists, 2016, 74, 100-112.	0.8	14
13	Cold and Heat Tolerance. Agronomy, 2015, , 259-302.	0.2	31
14	Comparison of Factors Involved in Starch Degradation in Barley Germination under Laboratory and Malting Conditions,. Journal of the American Society of Brewing Chemists, 2015, 73, 195-205.	0.8	23
15	Roles and Requirements of Sulfur in Plant Nutrition. Agronomy, 2015, , 123-168.	0.2	18
16	Role of Potassium in Legume Dinitrogen Fixation. Assa, Cssa and Sssa, 2015, , 443-465.	0.6	7
17	Comparisons of Barley Malt Amylolytic Enzyme Thermostabilities to Wort Osmolyte Concentrations, Malt Extract, ASBC Measures of Malt Quality, and Initial Enzyme Activities. Journal of the American Society of Brewing Chemists, 2014, 72, 271-284.	0.8	6
18	Metabolic Changes in Avena sativa Crowns Recovering from Freezing. PLoS ONE, 2014, 9, e93085.	1.1	8

#	ARTICLE	IF	CITATIONS
19	Comparisons of Amylolytic Enzyme Activities and Î²-Amylases with DifferingBmy1Intron III Alleles to Osmolyte Concentration and Malt Extract during Congress Mashing with North American Barley Cultivars. Journal of the American Society of Brewing Chemists, 2013, 71, 193-207.	0.8	8
20	Histological Analysis and 3D Reconstruction of Winter Cereal Crowns Recovering from Freezing: A Unique Response in Oat (Avena sativa L.). PLoS ONE, 2013, 8, e53468.	1.1	22
21	Comparisons of Amylolytic Enzyme Activities and Î²-Amylases with DifferingBmy1Intron III Alleles to Sugar Production during Congress Mashing with North American Barley Cultivars. Journal of the American Society of Brewing Chemists, 2012, 70, 230-248.	0.8	17
22	Tracking Amylolytic Enzyme Activities during Congress Mashing with North American Barley Cultivars: Comparisons of Patterns of Activity and Î²-Amylases with Differing<i>Bmy1</i>Intron III Alleles and Correlations of Amylolytic Enzyme Activities. Journal of the American Society of Brewing Chemists, 2012, 70, 10-28.	0.8	17
23	Tracking the Progress of Congress Mashing with Osmolyte Concentration and Malt Extract Value in North American Barley Cultivars and Relationships between Wort Osmolyte Concentration, Malt Extract Value, and ASBC Measures of Malt Quality. Journal of the American Society of Brewing Chemists, 2011, 69, 28-38.	0.8	9
24	Tracking the Progress of Wort Sugar Production during Congress Mashing with North American Barley Cultivars and Comparisons to Wort Osmolyte Concentrations and Malt Extract. Journal of the American Society of Brewing Chemists, 2011, 69, 200-213.	0.8	22
25	Differential expression of two Î²-amylase genes (Bmy1 and Bmy2) in developing and mature barley grain. Planta, 2011, 233, 1001-1010.	1.6	33
26	Differential RNA expression of Bmy1 during barley seed development and the association with Î²-amylase accumulation, activity, and total protein. Plant Physiology and Biochemistry, 2011, 49, 39-45.	2.8	23
27	Utilization of Different Bmy1 Intron III Alleles for Predicting Î²-Amylase Activity and Thermostability in Wild and Cultivated Barley. Plant Molecular Biology Reporter, 2010, 28, 491-501.	1.0	18
28	A Comparison of Barley Malt Osmolyte Concentrations and Standard Malt Quality Measurements as Indicators of Barley Malt Amylolytic Enzyme Activities. Journal of the American Society of Brewing Chemists, 2009, 67, 206-216.	0.8	25
29	A Comparison of Barley Malt Amylolytic Enzyme Activities as Indicators of Malt Sugar Concentrations. Journal of the American Society of Brewing Chemists, 2009, 67, 99-111.	0.8	36
30	A Comparison of Barley Malt Quality Measurements and Malt Sugar Concentrations. Journal of the American Society of Brewing Chemists, 2008, 66, 151-161.	0.8	40
31	A Comparison of Standard and Nonstandard Measures of Malt Quality. Journal of the American Society of Brewing Chemists, 2008, 66, 11-19.	0.8	45
32	Barley Seed Osmolyte Concentration as an Indicator of Preharvest Sprouting. Journal of the American Society of Brewing Chemists, 2007, 65, 125-128.	0.8	14
33	Green Malt Osmolyte Concentration as an Early Indicator of Finished Malt Quality. Journal of the American Society of Brewing Chemists, 2007, 65, 145-150.	0.8	19
34	Osmolyte Concentration as an Indicator of Malt Quality. Journal of the American Society of Brewing Chemists, 2007, 65, 59-62.	0.8	29
35	Mapping Genetic Factors Associated with Winter Hardiness, Fall Growth, and Freezing Injury in Autotetraploid Alfalfa. Crop Science, 2000, 40, 1387-1396.	0.8	86
36	Characteristics of Carbohydrate Metabolism in Sweet Corn (sugary-1) Endosperms. Journal of the American Society for Horticultural Science, 1993, 118, 661-666.	0.5	31

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37	Leakage of Intracellular Substances as an Indicator of Freezing Injury in Alfalfa. Crop Science, 1991, 31, 430-435.	0.8	18
38	Chloroplastic Regulation of Apoplastic Î±-Amylase Activity in Pea Seedlings. Plant Physiology, 1990, 93, 131-140.	2.3	15
39	Amylases in Pea Tissues with Reduced Chloroplast Density and/or Function. Plant Physiology, 1990, 94, 1813-1819.	2.3	22
40	Purification and Characterization of Pea Epicotyl Î²-Amylase. Plant Physiology, 1990, 92, 615-621.	2.3	73
41	Characterization of Î±-Amylase from Shoots and Cotyledons of Pea (<i>Pisum sativum</i> L.) Seedlings. Plant Physiology, 1990, 92, 1154-1163.	2.3	57
42	Partial Characterization and Subcellular Localization of Three Î±-Glucosidase Isoforms in Pea (<i>Pisum) Tj ETQq0 0 0 rgBT /Overlock 10	2.3	23
43	Characterization of Pea Chloroplast D-Enzyme (4-Î±-d-Glucanotransferase). Plant Physiology, 1989, 91, 136-143.	2.3	46
44	Localization of Î±-Amylase in the Apoplast of Pea (Pisum sativum L.) Stems. Plant Physiology, 1988, 87, 799-802.	2.3	33
45	Role of the testa epidermis in the leakage of intracellular substances from imbibing soybean seeds and its implications for seedling survival. Physiologia Plantarum, 1986, 68, 625-631.	2.6	26
46	Characterization of NADP+-isocitrate dehydrogenase from the host plant cytosol of lucerne (Medicago sativa) root nodules. Physiologia Plantarum, 1986, 67, 538-544.	2.6	26
47	Electrophoretic Transfer as a Technique for the Detection and Identification of Plant Amylolytic Enzymes in Polyacrylamide Gels. Plant Physiology, 1984, 75, 278-280.	2.3	61
48	Light control of extractable nitrate reductase activity in higher plants. Physiologia Plantarum, 1984, 62, 485-493.	2.6	55
49	Specific Determination of Î±-Amylase Activity in Crude Plant Extracts Containing Î²-Amylase. Plant Physiology, 1983, 71, 229-234.	2.3	100
50	Differential Leakage of Intracellular Substances from Imbibing Soybean Seeds. Plant Physiology, 1983, 72, 919-924.	2.3	66
51	Differential Light Induction of Nitrate Reductases in Greening and Photobleached Soybean Seedlings. Plant Physiology, 1983, 73, 56-60.	2.3	22
52	Beta-Amylases from Alfalfa (<i>Medicago sativa</i> L.) Roots. Plant Physiology, 1982, 69, 1096-1102.	2.3	62
53	Effects of norflurazon (San 9789) on light-increased extractable nitrate reductase activity in soybean [Glycine max(L.) Merr.]seedlings. Plant, Cell and Environment, 1982, 5, 155-162.	2.8	17
54	Effects of sulphur nutrition on nitrogen and carbon metabolism in lucerne (Medicago sativa L.). Physiologia Plantarum, 1982, 54, 343-350.	2.6	40

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55	Root Respiration, Nodulation, and Enzyme Activities in Alfalfa During Cold Acclimation 1. Crop Science, 1981, 21, 489-495.	0.8	26
56	Influence of Potassiumâ€Fertilization Rate and Form on Photosynthesis and N₂ Fixation of Alfalfa¹. Crop Science, 1981, 21, 481-485.	0.8	53
57	Selection and characterization of ethionine-resistant alfalfa (Medicago sativa L.) cell lines. Theoretical and Applied Genetics, 1981, 59, 89-94.	1.8	47
58	Role of the Testa in Preventing Cellular Rupture During Imbibition of Legume Seeds. Plant Physiology, 1981, 67, 449-456.	2.3	108
59	Effects of temperature on germination and mitochondrial dehydrogenases in two soybean (Glycine) Tj ETQq1 1 0.784314 rgBT /Overl	2.6	13
60	Effects of Potassium Fertilization on Nitrogen Fixation and Nodule Enzymes of Nitrogen Metabolism in Alfalfa¹. Crop Science, 1980, 20, 213-219.	0.8	45
61	Low Root Temperature Effects on Soybean Nitrogen Metabolism and Photosynthesis. Plant Physiology, 1979, 63, 956-962.	2.3	59
62	Photosynthetic independence of initial light-caused increase in extractable nitrate reductase activity from maize seedlings. Plant and Cell Physiology, 1979, 20, 1371-1380.	1.5	11
63	Oscillations in the Activities of Enzymes of Nitrate Reduction and Ammonia Assimilation in Glycine max and Zea mays. Physiologia Plantarum, 1978, 42, 269-276.	2.6	60
64	Low Temperature Effects on Soybean (Glycine max [L.] Merr. cv. Wells) Free Amino Acid Pools during Germination. Plant Physiology, 1978, 62, 642-647.	2.3	37
65	In vitro nitrate reductase activity and in vivo phytochrome measurements of maize seedlings as affected by various light treatments1. Plant and Cell Physiology, 1978, 19, 481-489.	1.5	29
66	Low Temperature Effects on Soybean (<i>Glycine max</i> [L.] Merr. cv. Wells) Mitochondrial Respiration and Several Dehydrogenases during Imbibition and Germination. Plant Physiology, 1977, 60, 716-722.	2.3	77
67	Glutamate Dehydrogenase Activity in <i>Lemna perpusilla</i> 6746: The Effects of Sucrose, Glucose and Fructose Addition to Growth Media. Physiologia Plantarum, 1977, 39, 67-72.	2.6	10
68	Glutamate Dehydrogenase Activity in Roots: Distribution in a Seedling and Storage Root, and the Effects of Red and Far-red Illuminations. Physiologia Plantarum, 1975, 34, 8-13.	2.6	24