

Jiwan P Palta

List of Publications by Year in descending order

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133
papers

2,816
citations

159585

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135
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135
docs citations

135
times ranked

2127
citing authors

#	ARTICLE	IF	CITATIONS
1	Fertilizer Effects on Endosperm Physicochemical Properties and Resistance to Larger Grain Borer, <i>Prostephanus truncatus</i> (Coleoptera: Bostrichidae), in Malawian Local Maize (<i>Zea mays</i> L.) Varieties: Potential for Utilization of Ca and Mg Nutrition. <i>Agronomy</i> , 2022, 12, 46.	3.0	2
2	QTL for pitted scab, hollow heart, and tuber calcium identified in a tetraploid population of potato derived from an Atlantic Å— Superior cross. <i>Crop Science</i> , 2021, 61, 1630-1651.	1.8	6
3	Yield and quality characteristics of popular processing potato (<i>Solanum tuberosum</i> L.) cultivars in two contrasting soil types under grower management in Hokkaido, Japan. <i>Potato Research</i> , 2020, 63, 385-402.	2.7	7
4	Survival of <i>Solanum jamesii</i> Tubers at Freezing Temperatures. <i>American Journal of Potato Research</i> , 2020, 97, 497-504.	0.9	6
5	Available Soil Nutrients and NPK Application Impacts on Yield, Quality, and Nutrient Composition of Potatoes Growing during the Main Season in Japan. <i>American Journal of Potato Research</i> , 2020, 97, 234-245.	0.9	21
6	In-Season Calcium Fertilizer Application Increases Potato Cell Wall Calcium and Firmness of French Fries. <i>American Journal of Potato Research</i> , 2019, 96, 472-486.	0.9	4
7	CAX1 Vacuolar Antiporter Overexpression in Potato Results in Calcium Deficiency in Leaves and Tubers by Sequestering Calcium as Calcium Oxalate. <i>Crop Science</i> , 2019, 59, 176-189.	1.8	9
8	Soil and tuber calcium affecting tuber quality of processing potato (<i>Solanum tuberosum</i> L.) cultivars grown in Hokkaido, Japan. <i>Soil Science and Plant Nutrition</i> , 2019, 65, 159-165.	1.9	4
9	Genetic Covariance of Environments in the Potato National Chip Processing Trial. <i>Crop Science</i> , 2019, 59, 107-114.	1.8	6
10	Intumescence Injury in the Leaves of Russet Burbank Potato Plants is Mitigated by Calcium Nutrition. <i>American Journal of Potato Research</i> , 2019, 96, 6-12.	0.9	3
11	Fractionating of Calcium in Tuber and Leaf Tissues Explains the Calcium Deficiency Symptoms in Potato Plant Overexpressing CAX1. <i>Frontiers in Plant Science</i> , 2019, 10, 1793.	3.6	13
12	Genetic Variance Partitioning and Genome-Wide Prediction with Allele Dosage Information in Autotetraploid Potato. <i>Genetics</i> , 2018, 209, 77-87.	2.9	117
13	Effects of Calcium Fertilizer Application on the Physicochemical Properties of Starch Isolated from the Processing Type Potato <i>Solanum tuberosum</i> L. Toyoshiro. <i>Food Science and Technology Research</i> , 2018, 24, 559-565.	0.6	1
14	Automated tetraploid genotype calling by hierarchical clustering. <i>Theoretical and Applied Genetics</i> , 2017, 130, 717-726.	3.6	61
15	QTL mapping of potato chip color and tuber traits within an autotetraploid family. <i>Molecular Breeding</i> , 2017, 37, 1.	2.1	34
16	Pedigree Reconstruction with Genome-Wide Markers in Potato. <i>American Journal of Potato Research</i> , 2017, 94, 184-190.	0.9	19
17	Effects of Calcium Concentration in Potato Tuber Cells on the Formation of Cross-Links between Pectin Molecules by Ca ²⁺ . <i>American Journal of Potato Research</i> , 2017, 94, 524-533.	0.9	11
18	Lack of yield response in potato (<i>Solanum tuberosum</i> L.) to phosphate fertilizer under contrasting soil types varying in phosphate absorption coefficient and available phosphate. <i>Soil Science and Plant Nutrition</i> , 2017, 63, 171-177.	1.9	9

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19	Acrylamide-Forming Potential and Agronomic Properties of Elite US Potato Germplasm from the National Fry Processing Trial. <i>Crop Science</i> , 2016, 56, 30-39.	1.8	9
20	Potential Molecular Markers Associated with Tuber Calcium Content in Wild Potato Germplasm. <i>Crop Science</i> , 2016, 56, 576-584.	1.8	6
21	Effect of Calcium Fertilization on Processing Properties and Storability of Frozen French Fries. <i>Food Science and Technology Research</i> , 2016, 22, 451-459.	0.6	6
22	Postharvest dip treatment with a natural lysophospholipid plus soy lecithin extended the shelf life of banana fruit. <i>Postharvest Biology and Technology</i> , 2016, 113, 58-65.	6.0	41
23	Influence of Mating Structure on Agronomic Performance, Chip Fry Color, and Genetic Distance Among Biparental Tetraploid Families. <i>American Journal of Potato Research</i> , 2015, 92, 518-535.	0.9	4
24	A Postharvest Dip Treatment with Lysophosphatidylethanolamine, a Natural Phospholipid, May Retard Senescence and Improve the Shelf Life of Banana Fruit. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015, 50, 1035-1040.	1.0	19
25	Application of Marker Assisted Selection for Potato Virus Y Resistance in the University of Wisconsin Potato Breeding Program. <i>American Journal of Potato Research</i> , 2015, 92, 444-450.	0.9	36
26	Strategies for Selecting Stable Common Scab Resistant Clones in a Potato Breeding Program. <i>American Journal of Potato Research</i> , 2015, 92, 326-338.	0.9	11
27	Merging Physiological and Genetic Approaches to Improve Abiotic Stress Resistance. <i>Journal of Crop Improvement</i> , 2014, 28, 260-304.	1.7	2
28	Identification and Selection for Tuber Calcium, Internal Quality and Pitted Scab in Segregating Atlantic x Superior Reciprocal Tetraploid Populations. <i>American Journal of Potato Research</i> , 2014, 91, 673-687.	0.9	12
29	Genotype x Storage Environment Interaction and Stability of Potato Chip Color: Implications in Breeding for Cold Storage Chip Quality. <i>Crop Science</i> , 2013, 53, 1944-1952.	1.8	11
30	Influence of Root Zone Calcium on Shoot Tip Necrosis and Apical Dominance of Potato Shoot: Simulation of This Disorder by Ethylene Glycol Tetra Acetic Acid and Prevention by Strontium. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 1358-1362.	1.0	11
31	Improving Potato Tuber Quality and Production by Targeted Calcium Nutrition: the Discovery of Tuber Roots Leading to a New Concept in Potato Nutrition. <i>Potato Research</i> , 2010, 53, 267-275.	2.7	44
32	Freedom Russet—A Dual Purpose Russet Potato Cultivar with Resistance to Common Scab and Good Fry Quality. <i>American Journal of Potato Research</i> , 2009, 86, 406-414.	0.9	2
33	Exchangeable Soil Calcium May Not Reliably Predict In-season Calcium Requirements for Enhancing Potato Tuber Calcium Concentration. <i>American Journal of Potato Research</i> , 2008, 85, 324-331.	0.9	13
34	Influence of Root Zone Calcium on Subapical Necrosis in Potato Shoot Cultures: Localization of Injury at the Tissue and Cellular Levels. <i>Journal of the American Society for Horticultural Science</i> , 2008, 133, 653-662.	1.0	11
35	Investigating the in vivo calcium transport path to developing potato tuber using ⁴⁵ Ca: a new concept in potato tuber calcium nutrition. <i>Physiologia Plantarum</i> , 2006, 128, 313-323.	5.2	46
36	Gibberellin-deficient dwarfs in potato vary in exogenous GA3 response when the ga1 allele is in different genetic backgrounds. <i>American Journal of Potato Research</i> , 2006, 83, 357-363.	0.9	5

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37	Response of potatoes (cv russet burbank) to supplemental calcium applications under field conditions: Tuber calcium, yield, and incidence of internal brown spot. <i>American Journal of Potato Research</i> , 2006, 83, 195-204.	0.9	27
38	Changes in freezing tolerance, plasma membrane H ⁺ -ATPase activity and fatty acid composition in <i>Pinus resinosa</i> needles during cold acclimation and de-acclimation. <i>Tree Physiology</i> , 2006, 26, 783-790.	3.1	70
39	Enhancing Tuber Calcium Concentration May Reduce Incidence of Blackspot Bruise Injury in Potatoes. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2006, 41, 1213-1221.	1.0	21
40	Shifts in Bud and Leaf Hardiness during Spring Growth and Development of the Cranberry Upright: Regrowth Potential as an Indicator of Hardiness. <i>Journal of the American Society for Horticultural Science</i> , 2006, 131, 327-337.	1.0	4
41	Supplemental Calcium Application Influences Potato Tuber Number and Size. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 102-105.	1.0	16
42	Lysophosphatidylethanolamine Accelerates Color Development and Promotes Shelf Life of Cranberries. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 127-130.	1.0	21
43	Mitigation of Ethylene-promoted Leaf Senescence by a Natural Lipid, Lysophosphatidylethanolamine. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 1166-1167.	1.0	22
44	Evidence for the up-regulation of stearoyl-ACP (Δ^9) desaturase gene expression during cold acclimation. <i>American Journal of Potato Research</i> , 2004, 81, 125-135.	0.9	55
45	Supplemental Calcium Application to Potatoes Reduces the Incidence of Black Spot Bruise Induced by Mechanical Harvest. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 872D-872.	1.0	0
46	Influence of Root Zone Calcium on Maintenance of Potato Shoot Tip. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 776C-776.	1.0	0
47	Developing and Successfully Implementing a Strategy for Breeding Frost-hardy Carrots. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2004, 39, 880C-880.	1.0	2
48	Marker-assisted genetic analysis of non-acclimated freezing tolerance and cold acclimation capacity in a backcrossSolarium population. <i>American Journal of Potato Research</i> , 2003, 80, 359-369.	0.9	5
49	Secretory Low Molecular Weight Phospholipase A2 Plays Important Roles in Cell Elongation and Shoot Gravitropism in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2003, 15, 1990-2002.	6.6	112
50	Ripeness stage at harvest influences postharvest life of cranberry fruit: physiological and anatomical explanations. <i>Postharvest Biology and Technology</i> , 2002, 24, 291-299.	6.0	31
51	Root zone calcium modulates the response of potato plants to heat stress. <i>Physiologia Plantarum</i> , 2002, 115, 111-118.	5.2	38
52	589 Calcium Application at Preemergence and during Bulking May Improve Tuber Quality and Grade. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2000, 35, 498B-498.	1.0	2
53	613 Mitigation of Ethephon Injury to Tomato Plants by a Natural Lipid Lysophosphatidylethanolamine (LPE): Influence on the Activity of Phospholipase D (PLD). <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2000, 35, 503A-503.	1.0	1
54	Variability in the Rate of Cold Acclimation and Deacclimation among Tuber-bearing <i>Solanum</i> (Potato) Species. <i>Journal of the American Society for Horticultural Science</i> , 2000, 125, 205-211.	1.0	22

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55	590 Supplemental Application of Calcium and Nitrogen Improves Internal Quality of 'Russet Burbank' Potatoes. Hortscience: A Publication of the American Society for Horticultural Science, 2000, 35, 498C-498.	1.0	0
56	607 Modulation of Heat Shock Proteins in Potato Leaves by Rhizospheric Calcium: Mitigation of Heat Stress Effect. Hortscience: A Publication of the American Society for Horticultural Science, 2000, 35, 501E-502.	1.0	0
57	Title is missing!. Euphytica, 1999, 107, 1-8.	1.2	13
58	536 Role of Phospholipase A2-derived Lysophospholipids as Senescence Retardants of Plant Tissues: From Basic Science to Commercial Applications. Hortscience: A Publication of the American Society for Horticultural Science, 1999, 34, 538C-538.	1.0	2
59	Expression of Heat-stable and Putative Dehydrin Proteins during Nonacclimated and Cold-acclimated Conditions in Several Tuber-bearing Solanum Species. Journal of the American Society for Horticultural Science, 1999, 124, 245-251.	1.0	4
60	Impact of Source and Timing of Calcium and Nitrogen Applications on 'Atlantic' Potato Tuber Calcium Concentrations and Internal Quality. Journal of the American Society for Horticultural Science, 1999, 124, 498-506.	1.0	21
61	Ice Nucleation and Propagation in Cranberry Uprights and Fruit Using Infrared Video Thermography. Journal of the American Society for Horticultural Science, 1999, 124, 619-625.	1.0	50
62	556 Influence of Supplemental Calcium Fertilization on Potato Tuber Size and Tuber Number. Hortscience: A Publication of the American Society for Horticultural Science, 1999, 34, 542B-542.	1.0	0
63	555 The Impact of Supplemental Calcium Fertilization during Potato Seed Tuber Production on Subsequent Crop Performance. Hortscience: A Publication of the American Society for Horticultural Science, 1999, 34, 542A-542.	1.0	0
64	531 Relating the Accumulation of Heat Units to Changes in the Phenology and Frost Hardiness of Cranberry during Spring. Hortscience: A Publication of the American Society for Horticultural Science, 1999, 34, 537C-537.	1.0	0
65	538 Use of Lysophosphatidylethanolamine (LPE), a Natural Lipid, to Accelerate Ripening and Enhance Shelf Life of Cranberry Fruit. Hortscience: A Publication of the American Society for Horticultural Science, 1999, 34, 538E-538.	1.0	1
66	537 Use of Lysophosphatidylethanolamine (LPE), a Natural Lipid, to Prevent Damaging Effects of Ethephon on Tomato Plants. Hortscience: A Publication of the American Society for Horticultural Science, 1999, 34, 538D-538.	1.0	0
67	513 Use of Reverse Transcription PCR (RT-PCR) to Study the Potato Stearoyl-ACP Desaturase (Delta9) Gene Expression at the Transcript Level during Cold Acclimation. Hortscience: A Publication of the American Society for Horticultural Science, 1999, 34, 534B-534.	1.0	0
68	426 Modeling a Flood-Freeze Situation of a Cranberry Bog using Finite Element Analysis. Hortscience: A Publication of the American Society for Horticultural Science, 1999, 34, 517F-517.	1.0	0
69	Ripening Stages of Cranberry Fruit Have a Dramatic Influence on Its Postharvest Shelflife: Physiological and Morphological Explanation. Hortscience: A Publication of the American Society for Horticultural Science, 1998, 33, 538e-538.	1.0	1
70	Chill Requirements to Break Dormancy of Wisconsin Cranberry: Conventional Models may Not be Applicable. Hortscience: A Publication of the American Society for Horticultural Science, 1998, 33, 538d-538.	1.0	0
71	Postharvest Dip in a Natural Lipid, Lysophosphatidylethanolamine, May Prolong Vase Life of Snapdragon Flowers. Hortscience: A Publication of the American Society for Horticultural Science, 1997, 32, 888-890.	1.0	22
72	A Study of Ice Nucleation and Propagation in Cranberry Plant using Infrared Video Thermography. Hortscience: A Publication of the American Society for Horticultural Science, 1997, 32, 448B-448.	1.0	0

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73	Seasonal Frost Hardiness Changes in the Cranberry Plant. Hortscience: A Publication of the American Society for Horticultural Science, 1997, 32, 537E-537.	1.0	1
74	Flow Rate as an Important Physiological Factor Associated to Calcium Concentration in Pods of Snap Bean (<i>Phaseolus vulgaris</i> L.) Plants Grown Aeroponically. Hortscience: A Publication of the American Society for Horticultural Science, 1997, 32, 464A-464.	1.0	2
75	An Evaluation for Pod Calcium Concentration between Eight Commercial Cultivars of Snap Beans and Eight of Dry Beans (<i>Phaseolus vulgaris</i> L.). Hortscience: A Publication of the American Society for Horticultural Science, 1997, 32, 523D-523.	1.0	0
76	Application of calcium and nitrogen for mitigating heat stress effects on potatoes. American Potato Journal, 1996, 73, 261-273.	0.3	23
77	Potential for improving freezing stress tolerance of wild potato germplasm by supplemental calcium fertilization. American Potato Journal, 1996, 73, 397-409.	0.3	8
78	Regulation of Stearoyl-CoA Desaturase 1 mRNA Stability by Polyunsaturated Fatty Acids in 3T3-L1 Adipocytes. Journal of Biological Chemistry, 1996, 271, 29854-29858.	3.4	127
79	Role of Calcium in Plant Responses to Stresses: Linking Basic Research to the Solution of Practical Problems. Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 51-57.	1.0	83
80	Evaluation of Stomatal Density and Calcium Concentration on Pods of Six Commercial Cultivars of Snap Beans (<i>Phaseolus vulgaris</i> L.) at Four Planting Dates. Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 593d-593.	1.0	3
81	Using Banana Peel for Bioassay Development to Evaluate the Retardation of Senescence by Lysophosphatidylethanolamine, A Natural Lipid. Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 604c-604.	1.0	1
82	Prolonging the Vase Life of Snapdragons and Carnations with a Natural Lipid, Lysophosphatidylethanolamine (LPE). Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 636f-637.	1.0	2
83	Variation in Calcium Concentration among Sixty S1 Families and Four Cultivars of Snap Bean (<i>Phaseolus vulgaris</i> L.). Journal of the American Society for Horticultural Science, 1996, 121, 789-793.	1.0	35
84	Flow Rate as a Major Physiological Factor Influencing Calcium Content on Six Commercial Cultivars of Snap Beans (<i>Phaseolus vulgaris</i> L.). Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 687a-687.	1.0	0
85	The Expression of Nonacclimated Freezing Tolerance and Acclimation Capacity in Progeny Derived from Somatic Hybrids of <i>Solanum tuberosum</i> and <i>S. commersonii</i> . Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 624d-624.	1.0	1
86	Potato Seed Piece Calcium can Influence Tuber Yield. Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 592d-592.	1.0	0
87	Variability in the Speed of Cold Deacclimation among Tuber-bearing Wild Potato Species. Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 579f-580.	1.0	1
88	Evidence that Rhizospheric Calcium Level Modulates Potato Plant Response to Heat Stress. Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 600e-601.	1.0	0
89	Balancing photosynthetic light-harvesting and light-utilization capacities in potato leaf tissue during acclimation to different growth temperatures. Physiologia Plantarum, 1995, 94, 51-56.	5.2	11
90	Use of stomatal index as a marker to screen backcross populations of two wild potato species segregating for freezing tolerance. American Potato Journal, 1995, 72, 243-250.	0.3	10

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91	Enhancing Potato Tuber Calcium Concentration Through Calcium Application May Reduce the Incidence of Internal Brown Spot and Hollow Heart. Hortscience: A Publication of the American Society for Horticultural Science, 1995, 30, 759A-759.	1.0	2
92	Inhibition of Polygalacturonase in Tomato Pericarp Tissue by Lysophosphatidylethanolamine: Implications in Fruit Shelf-life. Hortscience: A Publication of the American Society for Horticultural Science, 1995, 30, 889A-889.	1.0	2
93	Calcium Application Increases Potato Tuber Medullary Tissue Calcium Concentration and May Reduce the Incidence and Severity of Soft Rot Due to <i>Erwinia carotovora</i> pv. <i>atroseptica</i> . Hortscience: A Publication of the American Society for Horticultural Science, 1995, 30, 824E-824.	1.0	0
94	Evidence for Genetic Variability in the Speed of Cold Acclimation among Tuber-bearing Wild Potato Species. Hortscience: A Publication of the American Society for Horticultural Science, 1995, 30, 775G-776.	1.0	1
95	Stanley J. Peloquin will retire from the Department of Horticulture, University of Wisconsin-Madison on July 1, 1994 after 37 years of distinguished service. American Potato Journal, 1994, 71, 485-487.	0.3	0
96	906 PB 529 FREEZING TOLERANCE AND ACCLIMATION CAPACITY INCREASED IN CULTIVATED POTATO CROSSED TO WILD POTATO SPECIES. Hortscience: A Publication of the American Society for Horticultural Science, 1994, 29, 563g-564.	1.0	0
97	994 CALCIUM AND ITS ROLE IN PLANT STRESS RESPONSE. Hortscience: A Publication of the American Society for Horticultural Science, 1994, 29, 571e-571.	1.0	0
98	904 PB 523 THE IMPACT OF THAW RATE AND POST-THAW LIGHT INTENSITY ON FREEZE-THAW INJURY IN POTATO SPECIES. Hortscience: A Publication of the American Society for Horticultural Science, 1994, 29, 563e-563.	1.0	0
99	905 PB 526 DIFFERENTIAL EXPRESSION OF DEHYDRIN (47 KD) "BOILING STABLE" PROTEIN WITHIN POPULATIONS OF TWO DIPLOID POTATO SPECIES SEGREGATING FOR COLD TOLERANCE AND ACCLIMATION CAPACITY. Hortscience: A Publication of the American Society for Horticultural Science, 1994, 29, 563f-563.	1.0	1
100	Use of lysophosphatidylethanolamine, a natural lipid, to retard tomato leaf and fruit senescence. Physiologia Plantarum, 1993, 87, 515-521.	5.2	53
101	Use of lysophosphatidylethanolamine, a natural lipid, to retard tomato leaf and fruit senescence. Physiologia Plantarum, 1993, 87, 515-521.	5.2	30
102	In Vitro Freezing Tolerance in Relation to Winter Survival of Rapeseed Cultivars. Crop Science, 1993, 33, 103-107.	1.8	38
103	Use of Natural Lipids to Accelerate Ripening and Enhance Storage Life of Tomato Fruit with and without Ethephon. HortTechnology, 1993, 3, 62-65.	0.9	20
104	Variations in stolon length and in incidence of tuber roots among eight potato cultivars. American Potato Journal, 1992, 69, 561-570.	0.3	8
105	Ethanol Enhances the Effectiveness of Ethephon on Anthocyanin Production in Cranberry Fruits in the Field. Hortscience: A Publication of the American Society for Horticultural Science, 1992, 27, 411-412.	1.0	13
106	MITIGATION OF HEAT STRESS EFFECTS ON POTATO GROWTH BY CALCIUM AND NITROGEN APPLICATION DURING STRESS. Hortscience: A Publication of the American Society for Horticultural Science, 1992, 27, 596f-596.	1.0	1
107	PRACTICAL MEANS OF ENHANCING TUBER CALCIUM CONTENT AND REDUCING INCIDENCES OF SOFT ROT AND INTERNAL BROWN SPOT BY APPLICATION OF SOLUBLE FORM OF CALCIUM DURING BULKING. Hortscience: A Publication of the American Society for Horticultural Science, 1992, 27, 665d-665.	1.0	4
108	EVIDENCE FOR REDUCTION OF ABSCISSION IN 'MCINTOSH' APPLE FRUITS AND FOR ENHANCING THE RIPENING AND COLOR UNIFORMITY BY LYSOPHOSPHATIDYLETHANOLAMINE. Hortscience: A Publication of the American Society for Horticultural Science, 1992, 27, 592b-592.	1.0	0

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109	Leakage of Intracellular Substances from Alfalfa Roots at Various Subfreezing Temperatures. <i>Crop Science</i> , 1991, 31, 1575-1578.	1.8	8
110	A Loss in the Plasma Membrane ATPase Activity and Its Recovery Coincides with Incipient Freeze-Thaw Injury and Postthaw Recovery in Onion Bulb Scale Tissue. <i>Plant Physiology</i> , 1991, 95, 846-852.	4.8	65
111	Leaf chlorophyll content. <i>International Journal of Remote Sensing</i> , 1990, 5, 207-213.	1.0	110
112	Stress Interactions at the Cellular and Membrane Levels. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1990, 25, 1377-1381.	1.0	86
113	GROWTH SUPPRESSION IN DWARF AND SEMIDWARF APPLE ROOTSTOCKS BY UNICONAZOLE. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1990, 25, 1101g-1101.	1.0	0
114	Growth and Development Temperature Influences Level of Tolerance to High Light Stress. <i>Plant Physiology</i> , 1989, 91, 1558-1561.	4.8	13
115	Plasma Membrane ATPase Activity following Reversible and Irreversible Freezing Injury. <i>Plant Physiology</i> , 1989, 90, 1088-1095.	4.8	41
116	Relative Sensitivity of Photosynthesis and Respiration to Freeze-Thaw Stress in Herbaceous Species. <i>Plant Physiology</i> , 1989, 89, 1372-1379.	4.8	76
117	In Vivo Perturbation of Membrane-Associated Calcium by Freeze-Thaw Stress in Onion Bulb Cells. <i>Plant Physiology</i> , 1988, 87, 622-628.	4.8	55
118	Protoplasmic Swelling as a Symptom of Freezing Injury in Onion Bulb Cells. <i>Plant Physiology</i> , 1986, 82, 625-629.	4.8	19
119	Effect of light on photosynthetic capacity during cold acclimation in a cold-sensitive and a cold-tolerant potato species. <i>Physiologia Plantarum</i> , 1986, 66, 353-359.	5.2	32
120	Utilization of potatoes for life support systems II. The effects of temperature under 24-H and 12-H photoperiods. <i>American Potato Journal</i> , 1986, 63, 639-647.	0.3	46
121	Anatomical evidence for the existence of roots on potato tubers and stolons. <i>American Potato Journal</i> , 1986, 63, 57-60.	0.3	3
122	Evidence for the existence of functional roots on potato tubers and stolons: Significance in water transport to the tuber. <i>American Potato Journal</i> , 1985, 62, 227-236.	0.3	41
123	The measurement of isotonicity and maintenance of osmotic balance in plant protoplast manipulations. <i>Plant Science Letters</i> , 1984, 33, 249-258.	1.8	30
124	Vacuolated plant cells as ideal osmometer: reversibility and limits of plasmolysis, and estimation of protoplasm volume in control and water-stress-tolerant cells.. <i>Plant, Cell and Environment</i> , 1983, 6, 601-610.	5.7	8
125	Vacuolated plant cells as ideal osmometer: reversibility and limits of plasmolysis, and estimation of protoplasm volume in control and water-stress-tolerant cells. <i>Plant, Cell and Environment</i> , 1983, 6, 601-610.	5.7	7
126	Comparison of the structure and function of ribulosebisphosphate carboxylaseâ€œoxygenase from a cold-hardy and nonhardy potato species. <i>Canadian Journal of Biochemistry</i> , 1981, 59, 280-289.	1.4	32

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127	On simultaneous transport of water and solute through plant cell membranes: Evidence for the absence of solvent drag effect and insensitivity of the reflection coefficient. <i>Physiologia Plantarum</i> , 1980, 50, 83-90.	5.2	17
128	Alterations in membrane transport properties by freezing injury in herbaceous plants: Evidence against rupture theory. <i>Physiologia Plantarum</i> , 1980, 50, 169-175.	5.2	90
129	Effects of Octylguanidine on Cell Permeability and Other Protoplasmic Properties of <i>Allium cepa</i> Epidermal Cells. <i>Plant Physiology</i> , 1979, 64, 131-138.	4.8	20
130	Plant viability assay. <i>Cryobiology</i> , 1978, 15, 249-255.	0.7	54
131	Freezing Injury in Onion Bulb Cells. <i>Plant Physiology</i> , 1977, 60, 398-401.	4.8	115
132	Freezing Injury in Onion Bulb Cells. <i>Plant Physiology</i> , 1977, 60, 393-397.	4.8	178
133	Evaluation of post-thawing freezing injury in leaves of hardy and tender <i>Solanum</i> species. <i>Cryobiology</i> , 1977, 14, 689-690.	0.7	2