

# Patrick H Brown

## List of Publications by Year in descending order

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165  
papers

12,850  
citations

30070

54  
h-index

28297

105  
g-index

170  
all docs

170  
docs citations

170  
times ranked

11288  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic Properties of the Maize Nested Association Mapping Population. <i>Science</i> , 2009, 325, 737-740.	12.6	959
2	Plant nutrition for sustainable development and global health. <i>Annals of Botany</i> , 2010, 105, 1073-1080.	2.9	814
3	Biostimulants in Plant Science: A Global Perspective. <i>Frontiers in Plant Science</i> , 2016, 7, 2049.	3.6	788
4	Boron in Plant Biology. <i>Plant Biology</i> , 2002, 4, 205-223.	3.8	629
5	Nickel: A Micronutrient Essential for Higher Plants. <i>Plant Physiology</i> , 1987, 85, 801-803.	4.8	421
6	Boron mobility in plants. <i>Plant and Soil</i> , 1997, 193, 85-101.	3.7	386
7	Function of Nutrients. , 2012, , 191-248.		383
8	Localization of Boron in Cell Walls of Squash and Tobacco and Its Association with Pectin (Evidence) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.8	326
9	From plant surface to plant metabolism: the uncertain fate of foliar-applied nutrients. <i>Frontiers in Plant Science</i> , 2013, 4, 289.	3.6	287
10	Permeability and Channel-Mediated Transport of Boric Acid across Membrane Vesicles Isolated from Squash Roots. <i>Plant Physiology</i> , 2000, 124, 1349-1362.	4.8	269
11	Climate Change Affects Winter Chill for Temperate Fruit and Nut Trees. <i>PLoS ONE</i> , 2011, 6, e20155.	2.5	267
12	Phloem Mobility of Boron is Species Dependent: Evidence for Phloem Mobility in Sorbitol-rich Species. <i>Annals of Botany</i> , 1996, 77, 497-506.	2.9	235
13	A global analysis of the comparability of winter chill models for fruit and nut trees. <i>International Journal of Biometeorology</i> , 2011, 55, 411-421.	3.0	225
14	Biostimulants in agriculture. <i>Frontiers in Plant Science</i> , 2015, 6, 671.	3.6	214
15	Isolation and Characterization of Soluble Boron Complexes in Higher Plants (The Mechanism of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	4.8	209
16	Species variability in boron requirement is correlated with cell wall pectin. <i>Journal of Experimental Botany</i> , 1996, 47, 227-232.	4.8	194
17	Enhanced root-to-shoot translocation of cadmium in the hyperaccumulating ecotype of <i>Sedum alfredii</i> . <i>Journal of Experimental Botany</i> , 2008, 59, 3203-3213.	4.8	188
18	Absorption of boron by plant roots. <i>Plant and Soil</i> , 1997, 193, 49-58.	3.7	186

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19	Boron Determination—A Review of Analytical Methods. <i>Microchemical Journal</i> , 1997, 56, 285-304.	4.5	180
20	Cellular Sequestration of Cadmium in the Hyperaccumulator Plant Species <i>Sedum alfredii</i> . <i>Plant Physiology</i> , 2011, 157, 1914-1925.	4.8	172
21	Permeability of Boric Acid Across Lipid Bilayers and Factors Affecting It. <i>Journal of Membrane Biology</i> , 2000, 175, 95-105.	2.1	150
22	Form and Function of Zinc Plants. , 1993, , 93-106.		130
23	Transgenically Enhanced Sorbitol Synthesis Facilitates Phloem Boron Transport and Increases Tolerance of Tobacco to Boron Deficiency1. <i>Plant Physiology</i> , 1999, 119, 17-20.	4.8	122
24	Use of Phenylboronic Acids to Investigate Boron Function in Plants. Possible Role of Boron in Transvacuolar Cytoplasmic Strands and Cell-to-Wall Adhesion. <i>Plant Physiology</i> , 2004, 136, 3383-3395.	4.8	106
25	Efficient xylem transport and phloem remobilization of $Zn$ in the hyperaccumulator plant species <i>Sedum alfredii</i> . <i>New Phytologist</i> , 2013, 198, 721-731.	7.3	106
26	Detecting nonlinear response of spring phenology to climate change by Bayesian analysis. <i>Global Change Biology</i> , 2013, 19, 1518-1525.	9.5	103
27	Calcium protects roots of <i>Sedum alfredii</i> H. against cadmium-induced oxidative stress. <i>Chemosphere</i> , 2011, 84, 63-69.	8.2	101
28	The interaction between salinity and boron toxicity affects the subcellular distribution of ions and proteins in wheat leaves. <i>Plant, Cell and Environment</i> , 2003, 26, 1267-1274.	5.7	99
29	Kinetic analysis of boron transport in <i>Chara</i> . <i>Planta</i> , 2001, 213, 142-146.	3.2	98
30	Effect of nickel deficiency on soluble anion, amino acid, and nitrogen levels in barley. <i>Plant and Soil</i> , 1990, 125, 19-27.	3.7	92
31	Boron uptake by sunflower, squash and cultured tobacco cells. <i>Physiologia Plantarum</i> , 1994, 91, 435-441.	5.2	90
32	Spatial Imaging and Speciation of Lead in the Accumulator Plant <i>Sedum alfredii</i> by Microscopically Focused Synchrotron X-ray Investigation. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5920-5926.	10.0	89
33	Foliar application of microbial and plant based biostimulants increases growth and potassium uptake in almond ( <i>Prunus dulcis</i> [Mill.] D. A. Webb). <i>Frontiers in Plant Science</i> , 2015, 6, 87.	3.6	89
34	Foliar Boron Application Improves Flower Fertility and Fruit Set of Olive. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2001, 36, 714-716.	1.0	87
35	Micronutrients. <i>Journal of Plant Nutrition</i> , 1987, 10, 2125-2135.	1.9	86
36	Title is missing!. <i>Plant and Soil</i> , 1998, 198, 153-158.	3.7	82

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37	A biologically based approach to modeling spring phenology in temperate deciduous trees. <i>Agricultural and Forest Meteorology</i> , 2014, 198-199, 15-23.	4.8	81
38	Evidence for channel mediated transport of boric acid in squash ( <i>Cucurbita pepo</i> ). <i>Plant and Soil</i> , 2001, 235, 95-103.	3.7	80
39	The effects of manganese and nitrate supply on the levels of phenolics and lignin in young wheat plants. <i>Plant and Soil</i> , 1984, 81, 437-440.	3.7	79
40	Alternate Bearing Affects Nitrogen, Phosphorus, Potassium and Starch Storage Pools in Mature Pistachio Trees. <i>Annals of Botany</i> , 1998, 82, 463-470.	2.9	78
41	Colour and in vitro quality attributes of walnuts from different growing conditions correlate with key precursors of primary and secondary metabolism. <i>Food Chemistry</i> , 2017, 232, 664-672.	8.2	78
42	Manipulation of in Vivo Sorbitol Production Alters Boron Uptake and Transport in Tobacco1. <i>Plant Physiology</i> , 1999, 119, 735-742.	4.8	76
43	Chapter 92 Rare earth elements in biological systems. <i>Fundamental Theories of Physics</i> , 1990, , 423-452.	0.3	73
44	Stem and leaf sequestration of zinc at the cellular level in the hyperaccumulator <i>Sedum alfredii</i> . <i>New Phytologist</i> , 2009, 182, 116-126.	7.3	73
45	Soil potassium mobility and uptake by corn under differential soil moisture regimes. <i>Plant and Soil</i> , 2000, 221, 121-134.	3.7	70
46	Beneficial Elements. , 2012, , 249-269.		70
47	Uptake, sequestration and tolerance of cadmium at cellular levels in the hyperaccumulator plant species <i>Sedum alfredii</i> . <i>Journal of Experimental Botany</i> , 2017, 68, 2387-2398.	4.8	70
48	Fall Foliar-applied Boron Increases Tissue Boron Concentration and Nut Set of Almond. <i>Journal of the American Society for Horticultural Science</i> , 1997, 122, 405-410.	1.0	70
49	Boron determination in biological materials by inductively coupled plasma atomic emission and mass spectrometry: effects of sample dissolution methods. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 1185-1191.	1.5	67
50	An enhanced bloom index for quantifying floral phenology using multi-scale remote sensing observations. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 156, 108-120.	11.1	66
51	Assessment of nitrogen, phosphorus, and potassium uptake capacity and root growth in mature alternate-bearing pistachio ( <i>Pistacia vera</i> ) trees. <i>Tree Physiology</i> , 1996, 16, 949-956.	3.1	65
52	Phloem Boron Mobility in Diverse Plant Species. <i>Botanica Acta</i> , 1998, 111, 331-335.	1.6	65
53	Yield-scaled global warming potential from N <sub>2</sub> O emissions and CH <sub>4</sub> oxidation for almond ( <i>Prunus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlook 2012, 155, 7-15.	5.3	63
54	Techniques for boron determination and their application to the analysis of plant and soil samples. <i>Plant and Soil</i> , 1997, 193, 15-33.	3.7	62

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55	Boron: an essential element for vascular plants. <i>New Phytologist</i> , 2020, 226, 1232-1237.	7.3	62
56	Boron deficiency affects cell viability, phenolic leakage and oxidative burst in rose cell cultures. <i>Plant and Soil</i> , 2005, 268, 293-301.	3.7	60
57	Prediction of leaf area index in almonds by vegetation indexes. <i>Computers and Electronics in Agriculture</i> , 2012, 85, 24-32.	7.7	60
58	Alternate bearing influences annual nutrient consumption and the total nutrient content of mature pistachio trees. <i>Trees - Structure and Function</i> , 1995, 9, 158-164.	1.9	55
59	Does boron play only a structural role in the growing tissues of higher plants?. <i>Plant and Soil</i> , 1997, 196, 211-215.	3.7	55
60	Foliar Application of Boron to Almond Trees Affects Pollen Quality. <i>Journal of the American Society for Horticultural Science</i> , 2000, 125, 265-270.	1.0	55
61	Estimating Nitrate Leaching to Groundwater from Orchards: Comparing Crop Nitrogen Excess, Deep Vadose Zone Data-Driven Estimates, and HYDRUS Modeling. <i>Vadose Zone Journal</i> , 2016, 15, 1-13.	2.2	55
62	Direct Analysis of Sugar Alcohol Borate Complexes in Plant Extracts by Matrix-Assisted Laser Desorption/Ionization Fourier Transform Mass Spectrometry. <i>Analytical Chemistry</i> , 1997, 69, 2471-2477.	6.5	53
63	Seasonal changes in nutrient content and concentrations in a mature deciduous tree species: Studies in almond ( <i>Prunus dulcis</i> (Mill.) D. A. Webb). <i>European Journal of Agronomy</i> , 2015, 65, 52-68.	4.1	53
64	Macronutrient Allocation to Leaves and Fruit of Mature, Alternate-bearing Pistachio Trees: Magnitude and Seasonal Patterns at the Whole-canopy Level. <i>Journal of the American Society for Horticultural Science</i> , 1997, 122, 267-274.	1.0	53
65	California Almond Yield Prediction at the Orchard Level With a Machine Learning Approach. <i>Frontiers in Plant Science</i> , 2019, 10, 809.	3.6	50
66	Climate change effects on walnut pests in California. <i>Global Change Biology</i> , 2011, 17, 228-238.	9.5	49
67	Root adaptations to cadmium-induced oxidative stress contribute to Cd tolerance in the hyperaccumulator <i>Sedum alfredii</i> . <i>Biologia Plantarum</i> , 2012, 56, 344-350.	1.9	49
68	Fertilizer Nitrogen and Boron Uptake, Storage, and Allocation Vary during the Alternate-bearing Cycle in Pistachio Trees. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 24-31.	1.0	48
69	Calcium Deficiency Triggers Phloem Remobilization of Cadmium in a Hyperaccumulating Species. <i>Plant Physiology</i> , 2016, 172, 2300-2313.	4.8	47
70	Rate and Time of Boron Application Increase Almond Productivity and Tissue Boron Concentration. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1999, 34, 242-245.	1.0	45
71	Al Binding in the Epidermis Cell Wall Inhibits Cell Elongation of Okra Hypocotyl. <i>Plant and Cell Physiology</i> , 1999, 40, 549-556.	3.1	44
72	Influence of Redox Potential and Plant Species on the Uptake of Nickel and Cadmium from Soils. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1989, 152, 85-91.	0.4	43

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73	The role of large environmental noise in masting: General model and example from pistachio trees. <i>Journal of Theoretical Biology</i> , 2009, 259, 701-713.	1.7	43
74	Distribution and Transport of Foliar Applied Zinc in Pistachio. <i>Journal of the American Society for Horticultural Science</i> , 1999, 124, 433-436.	1.0	43
75	A reevaluation of alternate bearing in pistachio. <i>Scientia Horticulturae</i> , 2010, 124, 149-152.	3.6	42
76	Spatial imaging of Zn and other elements in Huanglongbing-affected grapefruit by synchrotron-based micro X-ray fluorescence investigation. <i>Journal of Experimental Botany</i> , 2014, 65, 953-964.	4.8	42
77	What is a plant nutrient? Changing definitions to advance science and innovation in plant nutrition. <i>Plant and Soil</i> , 2022, 476, 11-23.	3.7	38
78	Evaluating foliar nitrogen compounds as indicators of nitrogen status in <i>Prunus persica</i> trees. <i>Scientia Horticulturae</i> , 2009, 120, 27-33.	3.6	36
79	Spatial patterns of tree yield explained by endogenous forces through a correspondence between the Ising model and ecology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1825-1830.	7.1	36
80	Boron Transport and Soluble Carbohydrate Concentrations in Olive. <i>Journal of the American Society for Horticultural Science</i> , 2001, 126, 291-296.	1.0	36
81	Transgenically enhanced sorbitol synthesis facilitates phloem-boron mobility in rice. <i>Physiologia Plantarum</i> , 2003, 117, 79-84.	5.2	35
82	The impact of EDTA on lead distribution and speciation in the accumulator <i>Sedum alfredii</i> by synchrotron X-ray investigation. <i>Environmental Pollution</i> , 2011, 159, 782-788.	7.5	34
83	Assessment of orchard N losses to groundwater with a vadose zone monitoring network. <i>Agricultural Water Management</i> , 2016, 172, 83-95.	5.6	32
84	Foliar Application of Zinc and Boron Improves Walnut Vegetative and Reproductive Growth. <i>HortTechnology</i> , 2011, 21, 181-186.	0.9	31
85	Speciation and localization of Zn in the hyperaccumulator <i>Sedum alfredii</i> by extended X-ray absorption fine structure and micro-X-ray fluorescence. <i>Plant Physiology and Biochemistry</i> , 2014, 84, 224-232.	5.8	30
86	Supplemental macronutrients and microbial fermentation products improve the uptake and transport of foliar applied zinc in sunflower ( <i>Helianthus annuus</i> L.) plants. <i>Studies utilizing micro X-ray fluorescence. Frontiers in Plant Science</i> , 2014, 5, 808.	3.6	30
87	Nut crop yield records show that budbreak-based chilling requirements may not reflect yield decline chill thresholds. <i>International Journal of Biometeorology</i> , 2015, 59, 707-715.	3.0	30
88	Influence of rootstock on nutrient acquisition by pistachio. <i>Journal of Plant Nutrition</i> , 1994, 17, 1137-1148.	1.9	29
89	Permeability and the Mechanism of Transport of Boric Acid Across the Plasma Membrane of <i>Xenopus laevis</i> Oocytes. <i>Biological Trace Element Research</i> , 2001, 81, 127-139.	3.5	29
90	Optimization of nitrogen and potassium nutrition to improve yield and yield parameters of irrigated almond ( <i>Prunus dulcis</i> (Mill.) D. A. webb). <i>Scientia Horticulturae</i> , 2018, 228, 204-212.	3.6	29

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91	Potassium Fertilization Affects Soil K, Leaf K Concentration, and Nut Yield and Quality of Mature Pistachio Trees. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2001, 36, 85-89.	1.0	29
92	Isotope ratio determination in boron analysis. <i>Biological Trace Element Research</i> , 1998, 66, 39-53.	3.5	28
93	Fruit presence negatively affects photosynthesis by reducing leaf nitrogen in almond. <i>Functional Plant Biology</i> , 2014, 41, 884.	2.1	28
94	Automatic mapping of planting year for tree crops with Landsat satellite time series stacks. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2019, 151, 176-188.	11.1	28
95	The Mechanism of Foliar Zinc Absorption in Pistachio and Walnut. <i>Journal of the American Society for Horticultural Science</i> , 1999, 124, 312-317.	1.0	28
96	Light interception, leaf nitrogen and yield prediction in almonds: A case study. <i>European Journal of Agronomy</i> , 2015, 66, 1-7.	4.1	27
97	A Review of Potassium-Rich Crop Residues Used as Organic Matter Amendments in Tree Crop Agroecosystems. <i>Agriculture (Switzerland)</i> , 2021, 11, 580.	3.1	27
98	The efficiency of boron utilisation in canola. <i>Functional Plant Biology</i> , 2001, 28, 1109.	2.1	27
99	Occurrence of Sugar Alcohols Determines Boron Toxicity Symptoms of Ornamental Species. <i>Journal of the American Society for Horticultural Science</i> , 1999, 124, 347-352.	1.0	27
100	Relationship between tree nitrogen status, xylem and phloem sap amino acid concentrations, and apparent soil nitrogen uptake by almond trees ( <i>Prunus dulcis</i> ). <i>Journal of Horticultural Science and Biotechnology</i> , 2000, 75, 62-68.	1.9	26
101	Boron response in wheat is genotype-dependent and related to boron uptake, translocation, allocation, plant phenological development and growth rate. <i>Functional Plant Biology</i> , 2005, 32, 507.	2.1	26
102	Envisioning the transition to a next-generation biofuels industry in the US Midwest. <i>Biofuels, Bioproducts and Biorefining</i> , 2012, 6, 376-386.	3.7	26
103	Use of ICP-MS and <sup>10</sup> B to trace the movement of boron in plants and soil. <i>Communications in Soil Science and Plant Analysis</i> , 1992, 23, 2781-2807.	1.4	25
104	Intensive fertilizer use increases orchard N cycling and lowers net global warming potential. <i>Science of the Total Environment</i> , 2020, 722, 137889.	8.0	24
105	Survey examines the adoption of perceived best management practices for almond nutrition. <i>California Agriculture</i> , 2010, 64, 149-154.	0.8	24
106	Distribution and ratios of <sup>137</sup> Cs and K in control and K-treated coconut trees at Bikini Island where nuclear test fallout occurred: effects and implications. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 76-83.	1.7	23
107	Testing Moran's theorem in an agroecosystem. <i>Oikos</i> , 2011, 120, 1434-1440.	2.7	23
108	Impact of organic matter amendments on soil and tree water status in a California orchard. <i>Agricultural Water Management</i> , 2019, 222, 204-212.	5.6	23

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109	Evaluated Crop Evapotranspiration over a Region of Irrigated Orchards with the Improved ACASA-WRF Model. <i>Journal of Hydrometeorology</i> , 2014, 15, 744-758.	1.9	22
110	Advancing Agricultural Production With Machine Learning Analytics: Yield Determinants for California's Almond Orchards. <i>Frontiers in Plant Science</i> , 2020, 11, 290.	3.6	21
111	Control of individual microsprinklers and fault detection strategies. <i>Precision Agriculture</i> , 2006, 7, 85-99.	6.0	20
112	Penetration of foliar-applied Zn and its impact on apple plant nutrition status: in vivo evaluation by synchrotron-based X-ray fluorescence microscopy. <i>Horticulture Research</i> , 2020, 7, 147.	6.3	19
113	Effects of Diclofop and Diclofop-Methyl on Membrane Potentials in Roots of Intact Oat, Maize, and Pea Seedlings. <i>Plant Physiology</i> , 1991, 95, 1063-1069.	4.8	18
114	Sensitivity of yield determinants to potassium deficiency in "Nonpareil" almond ( <i>Prunus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	18
115	Grower Analysis of Organic Matter Amendments in California Orchards. <i>Journal of Environmental Quality</i> , 2017, 46, 649-658.	2.0	18
116	Efficient phloem remobilization of Zn protects apple trees during the early stages of Zn deficiency. <i>Plant, Cell and Environment</i> , 2019, 42, 3167-3181.	5.7	18
117	Organic matter amendments improve soil fertility in almond orchards of contrasting soil texture. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 120, 343-361.	2.2	18
118	Does boron play only a structural role in the growing tissues of higher plants?. , 1997, , 63-67.		18
119	Prediction of leaf nitrogen from early season samples and development of field sampling protocols for nitrogen management in Almond ( <i>Prunus dulcis</i> [Mill.] DA Webb). <i>Plant and Soil</i> , 2014, 380, 153-163.	3.7	16
120	Fruit load in almond spurs define starch and total soluble carbohydrate concentration and therefore their survival and bloom probabilities in the next season. <i>Scientia Horticulturae</i> , 2018, 237, 269-276.	3.6	16
121	Absorption of boron by plant roots. , 1997, , 49-58.		16
122	Title is missing!. <i>Plant and Soil</i> , 2000, 227, 273-281.	3.7	15
123	Boron translocation in coffee trees. <i>Plant and Soil</i> , 2007, 290, 221-229.	3.7	15
124	A possible mechanism for phloem transport of boron in "Hass" avocado ( <i>Persea americana</i> Mill.) trees. <i>Journal of Horticultural Science and Biotechnology</i> , 2012, 87, 23-28.	1.9	15
125	Design of a System for Individual Microsprinkler Control. <i>Transactions of the ASABE</i> , 2006, 49, 1963-1970.	1.1	14
126	N <sub>2</sub> O Emissions and Water Management in California Perennial Crops. <i>ACS Symposium Series</i> , 2011, , 227-255.	0.5	14



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127	Nitrogen increases hull rot and interferes with the hull split phenology in almond ( <i>Prunus dulcis</i> ). <i>Scientia Horticulturae</i> , 2016, 199, 41-48.	3.6	14
128	Boron mobility in plants. , 1997, , 85-101.		14
129	Nitrogen Partitioning During Early Development of Supernodulating Soybean ( <i>Glycine max</i> [L.] Merrill) Mutants and their Wild-Type Parent. <i>Journal of Experimental Botany</i> , 1990, 41, 1239-1244.	4.8	13
130	Nutrient Storage in the Perennial Organs of Deciduous Trees and Remobilization in Spring – A Study in Almond ( <i>Prunus dulcis</i> ) (Mill.) D. A. Webb. <i>Frontiers in Plant Science</i> , 2020, 11, 658.	3.6	13
131	NECESSITY FOR WHOLE TREE EXCAVATIONS IN DETERMINING PATTERNS AND MAGNITUDE OF MACRONUTRIENT UPTAKE BY MATURE DECIDUOUS FRUIT TREES. <i>Acta Horticulturae</i> , 2001, , 41-49.	0.2	12
132	Seasonal Zinc Storage and a Strategy for Its Use in Buds of Fruit Trees. <i>Plant Physiology</i> , 2020, 183, 1200-1212.	4.8	12
133	APPLICATION OF SELECTED MACRONUTRIENTS (N, K) IN DECIDUOUS ORCHARDS: PHYSIOLOGICAL AND AGROTECHNICAL PERSPECTIVES. <i>Acta Horticulturae</i> , 2002, , 59-64.	0.2	11
134	Leaf litter C and N cycling from a deciduous permanent crop. <i>Soil Science and Plant Nutrition</i> , 2016, 62, 271-276.	1.9	11
135	Foliar zinc applications in <i>Prunus</i> : From lab experience to orchard management. <i>Scientia Horticulturae</i> , 2018, 233, 233-237.	3.6	11
136	Micronutrient Use in Agriculture in the United States of America. , 2008, , 267-286.		10
137	Short-term water stress affecting NO <sub>3</sub> <sup>-</sup> absorption by almond plants. <i>Scientia Horticulturae</i> , 2015, 197, 50-56.	3.6	10
138	A farm systems approach to the adoption of sustainable nitrogen management practices in California. <i>Agriculture and Human Values</i> , 2021, 38, 783-801.	3.0	10
139	DEVELOPMENT OF LEAF SAMPLING AND INTERPRETATION METHODS AND NUTRIENT BUDGET APPROACH TO NUTRIENT MANAGEMENT IN ALMOND ( <i>PRUNUS DULCIS</i> (MILL.) D.A.WEBB). <i>Acta Horticulturae</i> , 2013, , 291-296.	0.2	8
140	Increases in leaf nitrogen concentration and leaf area did not enhance spur survival and return bloom in almonds ( <i>Prunus dulcis</i> [Mill.] DA Webb). <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	2.1	8
141	Nutrient dynamics from surface-applied organic matter amendments on no-till orchard soil. <i>Soil Use and Management</i> , 2022, 38, 649-662.	4.9	8
142	The use of Bayesian inference to inform the surveillance of temperature-related occupational morbidity in Ontario, Canada, 2004–2010. <i>Environmental Research</i> , 2014, 132, 449-456.	7.5	7
143	Spur behavior in Almond trees ( <i>Prunus dulcis</i> [Mill.] DAWebb): effects of flowers, fruit, and June drop on leaf area, leaf nitrogen, spur survival and return bloom. <i>Scientia Horticulturae</i> , 2017, 215, 15-19.	3.6	7
144	Inhibition of Lipid Synthesis by Diclofop-Methyl Is Age Dependent in Roots of Oat and Corn. <i>Pesticide Biochemistry and Physiology</i> , 1993, 45, 210-219.	3.6	6

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145	Spatial imaging reveals the pathways of Zn transport and accumulation during reproductive growth stage in almond plants. <i>Plant, Cell and Environment</i> , 2021, 44, 1858-1868.	5.7	6
146	Bacterial population dynamics after foliar fertilization of almond leaves. <i>Journal of Applied Microbiology</i> , 2019, 126, 945-953.	3.1	5
147	THE EFFECTS OF ALTERNATE BEARING, SOIL MOISTURE AND GYPSUM ON POTASSIUM NUTRITION OF PISTACHIO ( <i>PISTACIA VERA L.</i> ). <i>Acta Horticulturae</i> , 1998, , 412-420.	0.2	4
148	TRANSIENT NUTRIENT DEFICIENCIES AND THEIR IMPACT ON YIELD - A RATIONALE FOR FOLIAR FERTILIZERS?. <i>Acta Horticulturae</i> , 2001, , 217-223.	0.2	4
149	Uptake and Transport of Boron. , 2002, , 87-101.		4
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