Patrick H Brown

List of Publications by Year
in descending order

165 papers	12,850 citations	29994 54 h-index	28224 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. Science, 2009, 325, 737-740.	6.0	959
2	Plant nutrition for sustainable development and global health. Annals of Botany, 2010, 105, 1073-1080.	1.4	814
3	Biostimulants in Plant Science: A Global Perspective. Frontiers in Plant Science, 2016, 7, 2049.	1.7	788
4	Boron in Plant Biology. Plant Biology, 2002, 4, 205-223.	1.8	629
5	Nickel: A Micronutrient Essential for Higher Plants. Plant Physiology, 1987, 85, 801-803.	2.3	421
6	Boron mobility in plants. Plant and Soil, 1997, 193, 85-101.	1.8	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	2.3	326
9	From plant surface to plant metabolism: the uncertain fate of foliar-applied nutrients. Frontiers in Plant Science, 2013, 4, 289.	1.7	287
10	Permeability and Channel-Mediated Transport of Boric Acid across Membrane Vesicles Isolated from Squash Roots. Plant Physiology, 2000, 124, 1349-1362.	2.3	269
11	Climate Change Affects Winter Chill for Temperate Fruit and Nut Trees. PLoS ONE, 2011, 6, e20155.	1.1	267
12	Phloem Mobility of Boron is Species Dependent: Evidence for Phloem Mobility in Sorbitol-rich Species. Annals of Botany, 1996, 77, 497-506.	1.4	235
13	A global analysis of the comparability of winter chill models for fruit and nut trees. International Journal of Biometeorology, 2011, 55, 411-421.	1.3	225
14	Biostimulants in agriculture. Frontiers in Plant Science, 2015, 6, 671.	1.7	214
15	Isolation and Characterization of Soluble Boron Complexes in Higher Plants (The Mechanism of) Tj ETQq1 1 0.784314 rgBT /Overlock	2.3	209
16	Species variability in boron requirement is correlated with cell wall pectin. Journal of Experimental Botany, 1996, 47, 227-232.	2.4	194
17	Enhanced root-to-shoot translocation of cadmium in the hyperaccumulating ecotype of Sedum alfredii. Journal of Experimental Botany, 2008, 59, 3203-3213.	2.4	188
18	Absorption of boron by plant roots. Plant and Soil, 1997, 193, 49-58.	1.8	186

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19	Boron Determinationâ€"A Review of Analytical Methods. Microchemical Journal, 1997, 56, 285-304.	2.3	180
20	Cellular Sequestration of Cadmium in the Hyperaccumulator Plant Species Sedum alfredii Â Â Â. Plant Physiology, 2011, 157, 1914-1925.	2.3	172
21	Permeability of Boric Acid Across Lipid Bilayers and Factors Affecting It. Journal of Membrane Biology, 2000, 175, 95-105.	1.0	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. Plant Physiology, 1999, 119, 17-20.	2.3	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. Plant Physiology, 2004, 136, 3383-3395.	2.3	106
25	Efficient xylem transport and phloem remobilization of <scp>Z</scp>n in the hyperaccumulator plant species <scp>S</scp>edum alfredii. New Phytologist, 2013, 198, 721-731.	3.5	106
26	Detecting nonlinear response of spring phenology to climate change by <scp>B</scp>ayesian analysis. Global Change Biology, 2013, 19, 1518-1525.	4.2	103
27	Calcium protects roots of Sedum alfredii H. against cadmium-induced oxidative stress. Chemosphere, 2011, 84, 63-69.	4.2	101
28	The interaction between salinity and boron toxicity affects the subcellular distribution of ions and proteins in wheat leaves. Plant, Cell and Environment, 2003, 26, 1267-1274.	2.8	99
29	Kinetic analysis of boron transport in Chara. Planta, 2001, 213, 142-146.	1.6	98
30	Effect of nickel deficiency on soluble anion, amino acid, and nitrogen levels in barley. Plant and Soil, 1990, 125, 19-27.	1.8	92
31	Boron uptake by sunflower, squash and cultured tobacco cells. Physiologia Plantarum, 1994, 91, 435-441.	2.6	90
32	Spatial Imaging and Speciation of Lead in the Accumulator Plant Sedum alfredii by Microscopically Focused Synchrotron X-ray Investigation. Environmental Science & Technology, 2010, 44, 5920-5926.	4.6	89
33	Foliar application of microbial and plant based biostimulants increases growth and potassium uptake in almond (Prunus dulcis [Mill.] D. A. Webb). Frontiers in Plant Science, 2015, 6, 87.	1.7	89
34	Foliar Boron Application Improves Flower Fertility and Fruit Set of Olive. Hortscience: A Publication of the American Society for Hortcultural Science, 2001, 36, 714-716.	0.5	87
35	Micronutrients. Journal of Plant Nutrition, 1987, 10, 2125-2135.	0.9	86
36	Title is missing!. Plant and Soil, 1998, 198, 153-158.	1.8	82

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37	A biologically based approach to modeling spring phenology in temperate deciduous trees. Agricultural and Forest Meteorology, 2014, 198-199, 15-23.	1.9	81
38	Evidence for channel mediated transport of boric acid in squash (Cucurbita pepo). Plant and Soil, 2001, 235, 95-103.	1.8	80
39	The effects of managanese and nitrate supply on the levels of phenolics and lignin in young wheat plants. Plant and Soil, 1984, 81, 437-440.	1.8	79
40	Alternate Bearing Affects Nitrogen, Phosphorus, Potassium and Starch Storage Pools in Mature Pistachio Trees. Annals of Botany, 1998, 82, 463-470.	1.4	78
41	Colour and in vitro quality attributes of walnuts from different growing conditions correlate with key precursors of primary and secondary metabolism. Food Chemistry, 2017, 232, 664-672.	4.2	78
42	Manipulation of in Vivo Sorbitol Production Alters Boron Uptake and Transport in Tobacco1. Plant Physiology, 1999, 119, 735-742.	2.3	76
43	Chapter 92 Rare earth elements in biological systems. Fundamental Theories of Physics, 1990, , 423-452.	0.1	73
44	Stem and leaf sequestration of zinc at the cellular level in the hyperaccumulator Sedum alfredii. New Phytologist, 2009, 182, 116-126.	3.5	73
45	Soil potassium mobility and uptake by corn under differential soil moisture regimes. Plant and Soil, 2000, 221, 121-134.	1.8	70
46	Beneficial Elements. , 2012, , 249-269.		70
47	Uptake, sequestration and tolerance of cadmium at cellular levels in the hyperaccumulator plant species Sedum alfredii. Journal of Experimental Botany, 2017, 68, 2387-2398.	2.4	70
48	Fall Foliar-applied Boron Increases Tissue Boron Concentration and Nut Set of Almond. Journal of the American Society for Horticultural Science, 1997, 122, 405-410.	0.5	70
49	Boron determination in biological materials by inductively coupled plasma atomic emission and mass spectrometry: effects of sample dissolution methods. Fresenius' Journal of Analytical Chemistry, 1997, 357, 1185-1191.	1.5	67
50	An enhanced bloom index for quantifying floral phenology using multi-scale remote sensing observations. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 156, 108-120.	4.9	66
51	Assessment of nitrogen, phosphorus, and potassium uptake capacity and root growth in mature alternate-bearing pistachio (Pistacia vera) trees. Tree Physiology, 1996, 16, 949-956.	1.4	65
52	Phloem Boron Mobility in Diverse Plant Species. Botanica Acta, 1998, 111, 331-335.	1.6	65
53	Yield-scaled global warming potential from N2O emissions and CH4 oxidation for almond (Prunus) Tj ETQq1 1 0.784314 rgBT /Overlo 2012, 155, 7-15.	2.5	63
54	Techniques for boron determination and their application to the analysis of plant and soil samples. Plant and Soil, 1997, 193, 15-33.	1.8	62

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55	Boron: an essential element for vascular plants. New Phytologist, 2020, 226, 1232-1237.	3.5	62
56	Boron deficiency affects cell viability, phenolic leakage and oxidative burst in rose cell cultures. Plant and Soil, 2005, 268, 293-301.	1.8	60
57	Prediction of leaf area index in almonds by vegetation indexes. Computers and Electronics in Agriculture, 2012, 85, 24-32.	3.7	60
58	Alternate bearing influences annual nutrient consumption and the total nutrient content of mature pistachio trees. Trees - Structure and Function, 1995, 9, 158-164.	0.9	55
59	Does boron play only a structural role in the growing tissues of higher plants?. Plant and Soil, 1997, 196, 211-215.	1.8	55
60	Foliar Application of Boron to Almond Trees Affects Pollen Quality. Journal of the American Society for Horticultural Science, 2000, 125, 265-270.	0.5	55
61	Estimating Nitrate Leaching to Groundwater from Orchards: Comparing Crop Nitrogen Excess, Deep Vadose Zone Dataâ€Driven Estimates, and HYDRUS Modeling. Vadose Zone Journal, 2016, 15, 1-13.	1.3	55
62	Direct Analysis of Sugar Alcohol Borate Complexes in Plant Extracts by Matrix-Assisted Laser Desorption/Ionization Fourier Transform Mass Spectrometry. Analytical Chemistry, 1997, 69, 2471-2477.	3.2	53
63	Seasonal changes in nutrient content and concentrations in a mature deciduous tree species: Studies in almond (Prunus dulcis (Mill.) D. A. Webb). European Journal of Agronomy, 2015, 65, 52-68.	1.9	53
64	Macronutrient Allocation to Leaves and Fruit of Mature, Alternate-bearing Pistachio Trees: Magnitude and Seasonal Patterns at the Whole-canopy Level. Journal of the American Society for Horticultural Science, 1997, 122, 267-274.	0.5	53
65	California Almond Yield Prediction at the Orchard Level With a Machine Learning Approach. Frontiers in Plant Science, 2019, 10, 809.	1.7	50
66	Climate change effects on walnut pests in California. Global Change Biology, 2011, 17, 228-238.	4.2	49
67	Root adaptations to cadmium-induced oxidative stress contribute to Cd tolerance in the hyperaccumulator Sedum alfredii. Biologia Plantarum, 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. Journal of the American Society for Horticultural Science, 1994, 119, 24-31.	0.5	48
69	Calcium Deficiency Triggers Phloem Remobilization of Cadmium in a Hyperaccumulating Species. Plant Physiology, 2016, 172, 2300-2313.	2.3	47
70	Rate and Time of Boron Application Increase Almond Productivity and Tissue Boron Concentration. Hortscience: A Publication of the American Society for Hortcultural Science, 1999, 34, 242-245.	0.5	45
71	Al Binding in the Epidermis Cell Wall Inhibits Cell Elongation of Okra Hypocotyl. Plant and Cell Physiology, 1999, 40, 549-556.	1.5	44
72	Influence of Redox Potential and Plant Species on the Uptake of Nickel and Cadmium from Soils. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 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. Journal of Theoretical Biology, 2009, 259, 701-713.	0.8	43
74	Distribution and Transport of Foliar Applied Zinc in Pistachio. Journal of the American Society for Horticultural Science, 1999, 124, 433-436.	0.5	43
75	A reevaluation of alternate bearing in pistachio. Scientia Horticulturae, 2010, 124, 149-152.	1.7	42
76	Spatial imaging of Zn and other elements in Huanglongbing-affected grapefruit by synchrotron-based micro X-ray fluorescence investigation. Journal of Experimental Botany, 2014, 65, 953-964.	2.4	42
77	What is a plant nutrient? Changing definitions to advance science and innovation in plant nutrition. Plant and Soil, 2022, 476, 11-23.	1.8	38
78	Evaluating foliar nitrogen compounds as indicators of nitrogen status in Prunus persica trees. Scientia Horticulturae, 2009, 120, 27-33.	1.7	36
79	Spatial patterns of tree yield explained by endogenous forces through a correspondence between the Ising model and ecology. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1825-1830.	3.3	36
80	Boron Transport and Soluble Carbohydrate Concentrations in Olive. Journal of the American Society for Horticultural Science, 2001, 126, 291-296.	0.5	36
81	Transgenically enhanced sorbitol synthesis facilitates phloem-boron mobility in rice. Physiologia Plantarum, 2003, 117, 79-84.	2.6	35
82	The impact of EDTA on lead distribution and speciation in the accumulator Sedum alfredii by synchrotron X-ray investigation. Environmental Pollution, 2011, 159, 782-788.	3.7	34
83	Assessment of orchard N losses to groundwater with a vadose zone monitoring network. Agricultural Water Management, 2016, 172, 83-95.	2.4	32
84	Foliar Application of Zinc and Boron Improves Walnut Vegetative and Reproductive Growth. HortTechnology, 2011, 21, 181-186.	0.5	31
85	Speciation and localization of Zn in the hyperaccumulator Sedum alfredii by extended X-ray absorption fine structure and micro-X-ray fluorescence. Plant Physiology and Biochemistry, 2014, 84, 224-232.	2.8	30
86	Supplemental macronutrients and microbial fermentation products improve the uptake and transport of foliar applied zinc in sunflower (Helianthus annuus L.) plants. Studies utilizing micro X-ray florescence. Frontiers in Plant Science, 2014, 5, 808.	1.7	30
87	Nut crop yield records show that budbreak-based chilling requirements may not reflect yield decline chill thresholds. International Journal of Biometeorology, 2015, 59, 707-715.	1.3	30
88	Influence of rootstock on nutrient acquisition by pistachio. Journal of Plant Nutrition, 1994, 17, 1137-1148.	0.9	29
89	Permeability and the Mechanism of Transport of Boric Acid Across the Plasma Membrane of Xenopus laevis Oocytes. Biological Trace Element Research, 2001, 81, 127-139.	1.9	29
90	Optimization of nitrogen and potassium nutrition to improve yield and yield parameters of irrigated almond (Prunus dulcis (Mill.) D. A. webb). Scientia Horticulturae, 2018, 228, 204-212.	1.7	29

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91	Potassium Fertilization Affects Soil K, Leaf K Concentration, and Nut Yield and Quality of Mature Pistachio Trees. Hortscience: A Publication of the American Society for Hortcultural Science, 2001, 36, 85-89.	0.5	29
92	Isotope ratio determination in boron analysis. Biological Trace Element Research, 1998, 66, 39-53.	1.9	28
93	Fruit presence negatively affects photosynthesis by reducing leaf nitrogen in almond. Functional Plant Biology, 2014, 41, 884.	1.1	28
94	Automatic mapping of planting year for tree crops with Landsat satellite time series stacks. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 151, 176-188.	4.9	28
95	The Mechanism of Foliar Zinc Absorption in Pistachio and Walnut. Journal of the American Society for Horticultural Science, 1999, 124, 312-317.	0.5	28
96	Light interception, leaf nitrogen and yield prediction in almonds: A case study. European Journal of Agronomy, 2015, 66, 1-7.	1.9	27
97	A Review of Potassium-Rich Crop Residues Used as Organic Matter Amendments in Tree Crop Agroecosystems. Agriculture (Switzerland), 2021, 11, 580.	1.4	27
98	The efficiency of boron utilisation in canola. Functional Plant Biology, 2001, 28, 1109.	1.1	27
99	Occurrence of Sugar Alcohols Determines Boron Toxicity Symptoms of Ornamental Species. Journal of the American Society for Horticultural Science, 1999, 124, 347-352.	0.5	27
100	Relationship between tree nitrogen status, xylem and phloem sap amino acid concentrations, and apparent soil nitrogen uptake by almond trees(Prunus dulcis). Journal of Horticultural Science and Biotechnology, 2000, 75, 62-68.	0.9	26
101	Boron response in wheat is genotype-dependent and related to boron uptake, translocation, allocation, plant phenological development and growth rate. Functional Plant Biology, 2005, 32, 507.	1.1	26
102	Envisioning the transition to a nextâ€generation biofuels industry in the US Midwest. Biofuels, Bioproducts and Biorefining, 2012, 6, 376-386.	1.9	26
103	Use of ICPâ€MS and10B to trace the movement of boron in plants and soil. Communications in Soil Science and Plant Analysis, 1992, 23, 2781-2807.	0.6	25
104	Intensive fertilizer use increases orchard N cycling and lowers net global warming potential. Science of the Total Environment, 2020, 722, 137889.	3.9	24
105	Survey examines the adoption of perceived best management practices for almond nutrition. California Agriculture, 2010, 64, 149-154.	0.5	24
106	Distribution and ratios of 137Cs and K in control and K-treated coconut trees at Bikini Island where nuclear test fallout occurred: effects and implications. Journal of Environmental Radioactivity, 2009, 100, 76-83.	0.9	23
107	Testing Moran's theorem in an agroecosystem. Oikos, 2011, 120, 1434-1440.	1.2	23
108	Impact of organic matter amendments on soil and tree water status in a California orchard. Agricultural Water Management, 2019, 222, 204-212.	2.4	23

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109	Evaluated Crop Evapotranspiration over a Region of Irrigated Orchards with the Improved ACASAâ€“WRF Model. Journal of Hydrometeorology, 2014, 15, 744-758.	0.7	22
110	Advancing Agricultural Production With Machine Learning Analytics: Yield Determinants for Californiaâ€™s Almond Orchards. Frontiers in Plant Science, 2020, 11, 290.	1.7	21
111	Control of individual microsprinklers and fault detection strategies. Precision Agriculture, 2006, 7, 85-99.	3.1	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. Horticulture Research, 2020, 7, 147.	2.9	19
113	Effects of Diclofop and Diclofop-Methyl on Membrane Potentials in Roots of Intact Oat, Maize, and Pea Seedlings. Plant Physiology, 1991, 95, 1063-1069.	2.3	18
114	Sensitivity of yield determinants to potassium deficiency in â€˜Nonpareilâ€™ almond (Prunus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	18
115	Grower Analysis of Organic Matter Amendments in California Orchards. Journal of Environmental Quality, 2017, 46, 649-658.	1.0	18
116	Efficient phloem remobilization of Zn protects apple trees during the early stages of Zn deficiency. Plant, Cell and Environment, 2019, 42, 3167-3181.	2.8	18
117	Organic matter amendments improve soil fertility in almond orchards of contrasting soil texture. Nutrient Cycling in Agroecosystems, 2021, 120, 343-361.	1.1	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 (Prunus dulcis [Mill.] DA Webb). Plant and Soil, 2014, 380, 153-163.	1.8	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. Scientia Horticulturae, 2018, 237, 269-276.	1.7	16
121	Absorption of boron by plant roots. , 1997, , 49-58.		16
122	Title is missing!. Plant and Soil, 2000, 227, 273-281.	1.8	15
123	Boron translocation in coffee trees. Plant and Soil, 2007, 290, 221-229.	1.8	15
124	A possible mechanism for phloem transport of boron in â€˜Hassâ€™ avocado (Persea americanaMill.) trees. Journal of Horticultural Science and Biotechnology, 2012, 87, 23-28.	0.9	15
125	Design of a System for Individual Microsprinkler Control. Transactions of the ASABE, 2006, 49, 1963-1970.	1.1	14
126	N₂O Emissions and Water Management in California Perennial Crops. ACS Symposium Series, 2011, , 227-255.	0.5	14

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127	Nitrogen increases hull rot and interferes with the hull split phenology in almond (Prunus dulcis). Scientia Horticulturae, 2016, 199, 41-48.	1.7	14
128	Boron mobility in plants. , 1997, , 85-101.		14
129	Nitrogen Partitioning During Early Development of Supernodulating Soybean (Glycine max[L.] Merrill) Mutants and their Wild-Type Parent. Journal of Experimental Botany, 1990, 41, 1239-1244.	2.4	13
130	Nutrient Storage in the Perennial Organs of Deciduous Trees and Remobilization in Spring â€“ A Study in Almond (Prunus dulcis) (Mill.) D. A. Webb. Frontiers in Plant Science, 2020, 11, 658.	1.7	13
131	NECESSITY FOR WHOLE TREE EXCAVATIONS IN DETERMINING PATTERNS AND MAGNITUDE OF MACRONUTRIENT UPTAKE BY MATURE DECIDUOUS FRUIT TREES. Acta Horticulturae, 2001, , 41-49.	0.1	12
132	Seasonal Zinc Storage and a Strategy for Its Use in Buds of Fruit Trees. Plant Physiology, 2020, 183, 1200-1212.	2.3	12
133	APPLICATION OF SELECTED MACRONUTRIENTS (N, K) IN DECIDUOUS ORCHARDS: PHYSIOLOGICAL AND AGROTECHNICAL PERSPECTIVES. Acta Horticulturae, 2002, , 59-64.	0.1	11
134	Leaf litter C and N cycling from a deciduous permanent crop. Soil Science and Plant Nutrition, 2016, 62, 271-276.	0.8	11
135	Foliar zinc applications in Prunus: From lab experience to orchard management. Scientia Horticulturae, 2018, 233, 233-237.	1.7	11
136	Micronutrient Use in Agriculture in the United States of America. , 2008, , 267-286.		10
137	Short-term water stress affecting NO 3 â^' absorption by almond plants. Scientia Horticulturae, 2015, 197, 50-56.	1.7	10
138	A farm systems approach to the adoption of sustainable nitrogen management practices in California. Agriculture and Human Values, 2021, 38, 783-801.	1.7	10
139	DEVELOPMENT OF LEAF SAMPLING AND INTERPRETATION METHODS AND NUTRIENT BUDGET APPROACH TO NUTRIENT MANAGEMENT IN ALMOND (PRUNUS DULCIS (MILL.) D.A.WEBB). Acta Horticulturae, 2013, , 291-296.	0.1	8
140	Increases in leaf nitrogen concentration and leaf area did not enhance spur survival and return bloom in almonds (Prunus dulcis [Mill.] DA Webb). Acta Physiologiae Plantarum, 2017, 39, 1.	1.0	8
141	Nutrient dynamics from surfaceâ€applied organic matter amendments on noâ€till orchard soil. Soil Use and Management, 2022, 38, 649-662.	2.6	8
142	The use of Bayesian inference to inform the surveillance of temperature-related occupational morbidity in Ontario, Canada, 2004â€“2010. Environmental Research, 2014, 132, 449-456.	3.7	7
143	Spur behavior in Almond trees (Prunus dulcis [Mill.] DAWebb): effects of flowers, fruit, and â€œJune dropâ€•on leaf area, leaf nitrogen, spur survival and return bloom. Scientia Horticulturae, 2017, 215, 15-19.	1.7	7
144	Inhibition of Lipid Synthesis by Diclofop-Methyl Is Age Dependent in Roots of Oat and Corn. Pesticide Biochemistry and Physiology, 1993, 45, 210-219.	1.6	6

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145	Spatial imaging reveals the pathways of Zn transport and accumulation during reproductive growth stage in almond plants. Plant, Cell and Environment, 2021, 44, 1858-1868.	2.8	6
146	Bacterial population dynamics after foliar fertilization of almond leaves. Journal of Applied Microbiology, 2019, 126, 945-953.	1.4	5
147	THE EFFECTS OF ALTERNATE BEARING, SOIL MOISTURE AND GYPSUM ON POTASSIUM NUTRITION OF PISTACHIO (PISTACIA VERA L.). Acta Horticulturae, 1998, , 412-420.	0.1	4
148	TRANSIENT NUTRIENT DEFICIENCIES AND THEIR IMPACT ON YIELD - A RATIONALE FOR FOLIAR FERTILIZERS?. Acta Horticulturae, 2001, , 217-223.	0.1	4
149	Uptake and Transport of Boron. , 2002, , 87-101.		4
150	The mechanism of phloem mobility of boron. , 1997, , 153-156.		4
151	Understanding nitrogen cycling in an irrigated deciduous permanent crop. Acta Horticulturae, 2019, , 207-212.	0.1	4
152	Foliar Application of an Inositol-Based Plant Biostimulant Boosts Zinc Accumulation in Wheat Grains: A Î¼-X-Ray Fluorescence Case Study. Frontiers in Plant Science, 2022, 13, 837695.	1.7	4
153	Boron uptake in sunflower, squash and cultured tobacco cells: Studies with stable isotope and ICP-MS. Plant and Soil, 1993, 155-156, 147-150.	1.8	3
154	Linking Agronomic and Knowledge Barriers to Adoption of Conservation Practices for Nitrogen Management. Frontiers in Agronomy, 0, 4, .	1.5	3
155	TESTING THE EFFECTIVENESS OF ZINC FORMULATIONS USING PEACH SEEDLINGS. Acta Horticulturae, 2013, , 125-130.	0.1	2
156	Impacts of repeated glyphosate use on growth of orchard crops. Weed Technology, 2020, 34, 888-896.	0.4	2
157	Using focus groups to assess almond growers' plant nutrition information needs. Renewable Agriculture and Food Systems, 2010, 25, 309-315.	0.8	1
158	EFFECT OF SPUR TYPE, FOLIAR SPRAYS, AND DIFFERENTIAL NITROGEN RATES ON LEAF NUTRIENT CONTENT AND SPUR LEAF AREA OF ALMOND TREES (PRUNUS DULCIS (MILL.) D.A.WEBB). Acta Horticulturae, 2013, , 139-142.	0.1	1
159	YIELD POTENTIAL ANALYSIS TO MODEL DORMANCY REQUIREMENTS IN PISTACHIO. Acta Horticulturae, 2014, , 103-106.	0.1	1
160	Grounds for Collaboration: A Model for Improving Coffee Sustainability Initiatives. Sustainability, 2022, 14, 6677.	1.6	1
161	Investigations of boron uptake at the cellular level. Plant and Soil, 1993, 155-156, 143-146.	1.8	0
162	Site-Specific Water and Nutrient Application by Wireless Valve Controller Network. , 2007, , .		0

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163	Complete Genomic Sequences of Three Salmonella enterica subsp. enterica Serovar Muenchen Strains from an Orchard in San Joaquin County, California. Microbiology Resource Announcements, 2020, 9, .	0.3	0
164	Techniques for boron determination and their application to the analysis of plant and soil samples. , 1997, , 15-33.		0
165	PATTERNS OF NITROGEN UPTAKE AND STORAGE IN MATURE, ALTERNATE BEARING PISTACHIO TREES. Acta Horticulturae, 1998, , 387-393.	0.1	0