

# Micaela Carvajal

## List of Publications by Year in descending order

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139  
papers

7,169  
citations

66250

44  
h-index

71088

80  
g-index

142  
all docs

142  
docs citations

142  
times ranked

7179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Water relations after Ca, B and Si application determine fruit physical quality in relation to aquaporins in <i>Prunus</i> . <i>Scientia Horticulturae</i> , 2022, 293, 110718.	1.7	2
2	Relationships between aquaporins gene expression and nutrient concentrations in melon plants ( <i>Cucumis melo</i> L.) during typical abiotic stresses. <i>Environmental and Experimental Botany</i> , 2022, 195, 104759.	2.0	17
3	Bioactive peptides from broccoli stems strongly enhance regenerative keratinocytes by stimulating controlled proliferation. <i>Pharmaceutical Biology</i> , 2022, 60, 235-246.	1.3	6
4	Nanoencapsulated Boron Foliar Supply Increased Expression of NIPs Aquaporins and BOR Transporters of In Vitro <i>Ipomoea batatas</i> Plants. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1788.	1.3	2
5	Membrane Vesicles for Nanoencapsulated Sulforaphane Increased Their Anti-Inflammatory Role on an In Vitro Human Macrophage Model. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1940.	1.8	11
6	Nanoencapsulation of Bimi <sup>®</sup> extracts increases its bioaccessibility after in vitro digestion and evaluation of its activity in hepatocyte metabolism. <i>Food Chemistry</i> , 2022, 385, 132680.	4.2	5
7	Salinity Tolerance of Halophytic Grass <i>Puccinellia nuttalliana</i> Is Associated with Enhancement of Aquaporin-Mediated Water Transport by Sodium. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5732.	1.8	4
8	Aquaporins involvement in the regulation of melon ( <i>Cucumis melo</i> L.) fruit cracking under different nutrient (Ca, B and Zn) treatments. <i>Environmental and Experimental Botany</i> , 2022, 201, 104981.	2.0	5
9	Interrelations of nutrient and water transporters in plants under abiotic stress. <i>Physiologia Plantarum</i> , 2021, 171, 595-619.	2.6	37
10	Nanoencapsulation of Pomegranate Extract to Increase Stability and Potential Dermatological Protection. <i>Pharmaceutics</i> , 2021, 13, 271.	2.0	10
11	The Influence of Red Cabbage Extract Nanoencapsulated with Brassica Plasma Membrane Vesicles on the Gut Microbiome of Obese Volunteers. <i>Foods</i> , 2021, 10, 1038.	1.9	14
12	Influence of foliar Methyl-jasmonate biostimulation on exudation of glucosinolates and their effect on root pathogens of broccoli plants under salinity condition. <i>Scientia Horticulturae</i> , 2021, 282, 110027.	1.7	6
13	Relationship between aquaporins expression and B concentration for conferring cold stress tolerance in broccoli cultivars. <i>Environmental and Experimental Botany</i> , 2021, 187, 104466.	2.0	0
14	Plasma membrane vesicles from cauliflower meristematic tissue and their role in water passage. <i>BMC Plant Biology</i> , 2021, 21, 30.	1.6	8
15	Halophytes of the Mediterranean Basin – Underutilized Species with the Potential to Be Nutritious Crops in the Scenario of the Climate Change. <i>Foods</i> , 2021, 10, 119.	1.9	21
16	Nanoencapsulation of sulforaphane in broccoli membrane vesicles and their <i>in vitro</i> antiproliferative activity. <i>Pharmaceutical Biology</i> , 2021, 59, 1488-1502.	1.3	11
17	Foliar Application of Boron Nanoencapsulated in Almond Trees Allows B Movement Within Tree and Implements Water Uptake and Transport Involving Aquaporins. <i>Frontiers in Plant Science</i> , 2021, 12, 752648.	1.7	5
18	Physicochemical Characterization and Effect of Additives of Membrane Vesicles from <i>Brassica oleracea</i> L. to Be Used in Nanofertilization. , 2021, 11, .		0

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19	Identification and Characterization of PHT1 Transporters Family and Differential Expression Patterns in Control and Blindness Broccoli Plants. , 2021, 11, .		0
20	Nutrient Passage in Differentially Grafted Lemon Trees. , 2021, 11, .		0
21	Different Strategies to Tolerate Salinity Involving Water Relations. , 2021, 11, .		0
22	Determining the Response of Citrus Plants to Reduced Nitrogen Fertilization. , 2021, 11, .		0
23	Discerning the mechanism of the multiwalled carbon nanotubes effect on root cell water and nutrient transport. <i>Plant Physiology and Biochemistry</i> , 2020, 146, 23-30.	2.8	29
24	Use of elicitation in the cultivation of Bimi <sup>®</sup> for food and ingredients. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 2099-2109.	1.7	5
25	Genetic regulation of water and nutrient transport in water stress tolerance in roots. <i>Journal of Biotechnology</i> , 2020, 324, 134-142.	1.9	28
26	Controversial Regulation of Gene Expression and Protein Transduction of Aquaporins under Drought and Salinity Stress. <i>Plants</i> , 2020, 9, 1662.	1.6	25
27	Foliar Mineral Treatments for The Reduction of Melon ( <i>Cucumis melo</i> L.) Fruit Cracking. <i>Agronomy</i> , 2020, 10, 1815.	1.3	11
28	Nanobiofertilization as a novel technology for highly efficient foliar application of Fe and B in almond trees. <i>Royal Society Open Science</i> , 2020, 7, 200905.	1.1	17
29	Brassica Bioactives Could Ameliorate the Chronic Inflammatory Condition of Endometriosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9397.	1.8	13
30	Genome-wide analysis of the aquaporin genes in melon ( <i>Cucumis melo</i> L.). <i>Scientific Reports</i> , 2020, 10, 22240.	1.6	16
31	Foliar Application of Zn Alleviates Salt Stress Symptoms of Pak Choi Plants by Activating Water Relations and Glucosinolate Synthesis. <i>Agronomy</i> , 2020, 10, 1528.	1.3	10
32	Detergent Resistant Membrane Domains in Broccoli Plasma Membrane Associated to the Response to Salinity Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7694.	1.8	10
33	Differential Aquaporin Response to Distinct Effects of Two Zn Concentrations after Foliar Application in Pak Choi ( <i>Brassica rapa</i> L.) Plants. <i>Agronomy</i> , 2020, 10, 450.	1.3	23
34	Plant plasma membrane vesicles interaction with keratinocytes reveals their potential as carriers. <i>Journal of Advanced Research</i> , 2020, 23, 101-111.	4.4	33
35	Growing broccoli under salinity: the influence of cultivar and season on glucosinolates content. <i>Scientia Agricola</i> , 2020, 77, .	0.6	13
36	Comparative effect of elicitors on the physiology and secondary metabolites in broccoli plants. <i>Journal of Plant Physiology</i> , 2019, 239, 1-9.	1.6	34

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37	The use of biovesicles to improve the efficiency of Zn foliar fertilization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 899-905.	2.5	20
38	Efficient leaf solute partitioning in <i>Salicornia fruticosa</i> allows growth under salinity. <i>Environmental and Experimental Botany</i> , 2019, 157, 177-186.	2.0	8
39	The Expanding Role of Vesicles Containing Aquaporins. <i>Cells</i> , 2018, 7, 179.	1.8	11
40	Analysis of physiological traits in the response of Chenopodiaceae, Amaranthaceae, and Brassicaceae plants to salinity stress. <i>Plant Physiology and Biochemistry</i> , 2018, 132, 145-155.	2.8	16
41	Plasma membrane aquaporins mediates vesicle stability in broccoli. <i>PLoS ONE</i> , 2018, 13, e0192422.	1.1	30
42	Interaction of Salinity and CaCO <sub>3</sub> Affects the Physiology and Fatty Acid Metabolism in <i>Portulaca oleracea</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6683-6691.	2.4	4
43	Improvement of broccoli sprouts ( <i>Brassica oleracea</i> L. var. <i>italica</i> ) growth and quality by KCl seed priming and methyl jasmonate under salinity stress. <i>Scientia Horticulturae</i> , 2017, 226, 141-151.	1.7	53
44	Effects of seed priming, salinity and methyl jasmonate treatment on bioactive composition of <i>Brassica oleracea</i> var. <i>capitata</i> (white and red varieties) sprouts. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 2291-2299.	1.7	41
45	Silicon-mediated Improvement in Plant Salinity Tolerance: The Role of Aquaporins. <i>Frontiers in Plant Science</i> , 2017, 8, 948.	1.7	132
46	Mutual Interactions between Aquaporins and Membrane Components. <i>Frontiers in Plant Science</i> , 2016, 7, 1322.	1.7	26
47	Multiwalled carbon nanotubes enter broccoli cells enhancing growth and water uptake of plants exposed to salinity. <i>Journal of Nanobiotechnology</i> , 2016, 14, 42.	4.2	167
48	Plant plasma membrane aquaporins in natural vesicles as potential stabilizers and carriers of glucosinolates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 143, 318-326.	2.5	26
49	Water balance and N-metabolism in broccoli ( <i>Brassica oleracea</i> L. var. <i>italica</i> ) plants depending on nitrogen source under salt stress and elevated CO <sub>2</sub> . <i>Science of the Total Environment</i> , 2016, 571, 763-771.	3.9	29
50	Health-promoting compounds of broccoli ( <i>Brassica oleracea</i> L. var. <i>italica</i> ) plants as affected by nitrogen fertilisation in projected future climatic change environments. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 392-403.	1.7	27
51	The impact of the absence of aliphatic glucosinolates on water transport under salt stress in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 524.	1.7	48
52	Myrosinase in Brassicaceae: the most important issue for glucosinolate turnover and food quality. <i>Phytochemistry Reviews</i> , 2015, 14, 1045-1051.	3.1	45
53	Intrinsic stability of Brassicaceae plasma membrane in relation to changes in proteins and lipids as a response to salinity. <i>Journal of Plant Physiology</i> , 2015, 175, 148-156.	1.6	48
54	Seed Coating Increase Broccoli Nutrient Content and Availability after Cooking. <i>Journal of Agricultural Science</i> , 2014, 7, .	0.1	2

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55	Involvement of a glucosinolate (sinigrin) in the regulation of water transport in <i>Brassica oleracea</i> grown under salt stress. <i>Physiologia Plantarum</i> , 2014, 150, 145-160.	2.6	35
56	Aquaporins as targets of pharmacological plant-derived compounds. <i>Phytochemistry Reviews</i> , 2014, 13, 573-586.	3.1	1
57	New challenges in plant aquaporin biotechnology. <i>Plant Science</i> , 2014, 217-218, 71-77.	1.7	57
58	Genotype Influences Sulfur Metabolism in Broccoli ( <i>Brassica oleracea</i> L.) Under Elevated CO <sub>2</sub> and NaCl Stress. <i>Plant and Cell Physiology</i> , 2014, 55, 2047-2059.	1.5	23
59	The <i>Acinetobacter baumannii</i> Omp33-36 Porin Is a Virulence Factor That Induces Apoptosis and Modulates Autophagy in Human Cells. <i>Infection and Immunity</i> , 2014, 82, 4666-4680.	1.0	105
60	Enhancement of root hydraulic conductivity by methyl jasmonate and the role of calcium and abscisic acid in this process. <i>Plant, Cell and Environment</i> , 2014, 37, 995-1008.	2.8	88
61	Response of three broccoli cultivars to salt stress, in relation to water status and expression of two leaf aquaporins. <i>Planta</i> , 2013, 237, 1297-1310.	1.6	26
62	Elevated CO <sub>2</sub> alleviates negative effects of salinity on broccoli ( <i>Brassica oleracea</i> L. var <i>Italica</i> ) plants by modulating water balance through aquaporins abundance. <i>Environmental and Experimental Botany</i> , 2013, 95, 15-24.	2.0	32
63	Interactive effects of boron and NaCl stress on water and nutrient transport in two broccoli cultivars. <i>Functional Plant Biology</i> , 2013, 40, 739.	1.1	23
64	The Physiological Importance of Glucosinolates on Plant Response to Abiotic Stress in Brassica. <i>International Journal of Molecular Sciences</i> , 2013, 14, 11607-11625.	1.8	284
65	Natural Antioxidants in Purple Sprouting Broccoli under Mediterranean Climate. <i>Journal of Food Science</i> , 2012, 77, C1058-63.	1.5	19
66	Arbuscular mycorrhizal symbiosis increases relative apoplastic water flow in roots of the host plant under both well-watered and drought stress conditions. <i>Annals of Botany</i> , 2012, 109, 1009-1017.	1.4	220
67	Differential Responses of Two Broccoli ( <i>Brassica oleracea</i> L. var <i>Italica</i> ) Cultivars to Salinity and Nutritional Quality Improvement. <i>Scientific World Journal</i> , The, 2012, 2012, 1-12.	0.8	30
68	Composition and antioxidant capacity of a novel beverage produced with green tea and minimally-processed byproducts of broccoli. <i>Innovative Food Science and Emerging Technologies</i> , 2011, 12, 361-368.	2.7	63
69	Identification and differential induction of the expression of aquaporins by salinity in broccoli plants. <i>Molecular BioSystems</i> , 2011, 7, 1322.	2.9	67
70	Plant Hydraulic Conductivity: The Aquaporins Contribution. , 2011, , .		5
71	Novel varieties of broccoli for optimal bioactive components under saline stress. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, 1638-1647.	1.7	35
72	Molecular aspects of the interaction between plants sterols and DPPC bilayers. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 192-201.	5.0	41

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73	The response of broccoli plants to high temperature and possible role of root aquaporins. <i>Environmental and Experimental Botany</i> , 2010, 68, 83-90.	2.0	23
74	Broccoliâ€Derived Byâ€Productsâ€A Promising Source of Bioactive Ingredients. <i>Journal of Food Science</i> , 2010, 75, C383-92.	1.5	130
75	Minerals in plant food: effect of agricultural practices and role in human health. A review. <i>Agronomy for Sustainable Development</i> , 2010, 30, 295-309.	2.2	158
76	Improvement in the Adaptation of <i>Lygeum Spartum</i> L. to Salinity In the Presence of Calcium. <i>Communications in Soil Science and Plant Analysis</i> , 2010, 41, 2301-2317.	0.6	12
77	Interactions between salinity and boron toxicity in tomato plants involve apoplastic calcium. <i>Journal of Plant Physiology</i> , 2010, 167, 54-60.	1.6	41
78	Physiological aspects of rootstockâ€scion interactions. <i>Scientia Horticulturae</i> , 2010, 127, 112-118.	1.7	255
79	Analysis of Root Plasma Membrane Aquaporins from <i>Brassica oleracea</i> : Post-Translational Modifications, <i>de novo</i> Sequencing and Detection of Isoforms by High Resolution Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 3479-3494.	1.8	25
80	How Salinity Affects Co2 Fixation by Horticultural Crops. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 1798-1803.	0.5	9
81	Climate Change and Plant Water Balance: The Role of Aquaporins â€ A Review. , 2009, , 71-89.		11
82	Water relations of the <i>tos1</i> tomato mutant at contrasting evaporative demand. <i>Physiologia Plantarum</i> , 2009, 137, 36-43.	2.6	5
83	Changes in plasma membrane lipids, aquaporins and proton pump of broccoli roots, as an adaptation mechanism to salinity. <i>Phytochemistry</i> , 2009, 70, 492-500.	1.4	182
84	Growing Hardier Crops for Better Health: Salinity Tolerance and the Nutritional Value of Broccoli. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 572-578.	2.4	120
85	Osmotic versus toxic effects of NaCl on pepper plants. <i>Biologia Plantarum</i> , 2008, 52, 72-79.	1.9	51
86	Agricultural practices for enhanced human health. <i>Phytochemistry Reviews</i> , 2008, 7, 251-260.	3.1	56
87	Two different effects of calcium on aquaporins in salinity-stressed pepper plants. <i>Planta</i> , 2008, 228, 15-25.	1.6	38
88	Basis for the new challenges of growing broccoli for health in hydroponics. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 1472-1481.	1.7	34
89	Boric acid and salinity effects on maize roots. Response of aquaporins ZmPIP1 and ZmPIP2, and plasma membrane H <sup>+</sup> -ATPase, in relation to water and nutrient uptake. <i>Physiologia Plantarum</i> , 2008, 132, 479-490.	2.6	46
90	Leaf water balance mediated by aquaporins under salt stress and associated glucosinolate synthesis in broccoli. <i>Plant Science</i> , 2008, 174, 321-328.	1.7	111

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91	Combined effect of boron and salinity on water transport. <i>Plant Signaling and Behavior</i> , 2008, 3, 844-845.	1.2	23
92	The Phi Thickening in Roots of Broccoli Plants: An Acclimation Mechanism to Salinity?. <i>International Journal of Plant Sciences</i> , 2007, 168, 1141-1149.	0.6	45
93	Different cation stresses affect specifically osmotic root hydraulic conductance, involving aquaporins, ATPase and xylem loading of ions in <i>Capsicum annuum</i> , L. plants. <i>Journal of Plant Physiology</i> , 2007, 164, 1300-1310.	1.6	26
94	Nitrogen, Phosphorus, and Sulfur Nutrition in Broccoli Plants Grown Under Salinity. <i>Journal of Plant Nutrition</i> , 2007, 30, 1855-1870.	0.9	16
95	Effects of Microwave Cooking Conditions on Bioactive Compounds Present in Broccoli Inflorescences. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 10001-10007.	2.4	74
96	Root Plasma Membrane Lipid Changes in Relation to Water Transport in Pepper: a Response to NaCl and CaCl <sub>2</sub> Treatment. <i>Journal of Plant Biology</i> , 2007, 50, 650-657.	0.9	14
97	New Evidence About the Relationship Between Water Channel Activity and Calcium in Salinity-stressed Pepper Plants. <i>Plant and Cell Physiology</i> , 2006, 47, 224-233.	1.5	37
98	Chemical and biological characterisation of nutraceutical compounds of broccoli. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 1508-1522.	1.4	335
99	Plant Aquaporins: New Perspectives on Water and Nutrient Uptake in Saline Environment. <i>Plant Biology</i> , 2006, 8, 535-546.	1.8	77
100	Are Root Hydraulic Conductivity Responses to Salinity Controlled by Aquaporins in Broccoli Plants?. <i>Plant and Soil</i> , 2006, 279, 13-23.	1.8	61
101	Study of the involvement of osmotic adjustment and H <sup>+</sup> -ATPase activity in the resistance of <i>Catharanthus roseus</i> suspension cells to salt stress. <i>Plant Cell, Tissue and Organ Culture</i> , 2005, 80, 287-294.	1.2	7
102	Graft Union Formation in Tomato Plants: Peroxidase and Catalase Involvement. <i>Annals of Botany</i> , 2004, 93, 53-60.	1.4	116
103	Osmotic adjustment, water relations and gas exchange in pepper plants grown under NaCl or KCl. <i>Environmental and Experimental Botany</i> , 2004, 52, 161-174.	2.0	104
104	Aquaporin Functionality in Roots of <i>Zea mays</i> in Relation to the Interactive Effects of Boron and Salinity. <i>Plant Biology</i> , 2004, 6, 415-421.	1.8	35
105	Effect of salinity on growth, mineral composition, and water relations of grafted tomato plants. <i>Journal of Plant Nutrition and Soil Science</i> , 2004, 167, 616-622.	1.1	91
106	Does calcium determine water uptake under saline conditions in pepper plants, or is it water flux which determines calcium uptake?. <i>Plant Science</i> , 2004, 166, 443-450.	1.7	57
107	Fruit quality of grafted tomato plants grown under saline conditions. <i>Journal of Horticultural Science and Biotechnology</i> , 2004, 79, 995-1001.	0.9	91
108	Water relations and xylem transport of nutrients in pepper plants grown under two different salts stress regimes. <i>Plant Growth Regulation</i> , 2003, 41, 237-245.	1.8	60

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109	Effects of salinity and rate of irrigation on yield, fruit quality and mineral composition of 'Fino 49'™ lemon. <i>European Journal of Agronomy</i> , 2003, 19, 427-437.	1.9	38
110	Aquaporin functionality in relation to H <sup>+</sup> -ATPase activity in root cells of <i>Capsicum annuum</i> grown under salinity. <i>Physiologia Plantarum</i> , 2003, 117, 413-420.	2.6	36
111	Influence of saline stress on root hydraulic conductance and PIP expression in <i>Arabidopsis</i> . <i>Journal of Plant Physiology</i> , 2003, 160, 689-697.	1.6	106
112	Different blocking effects of HgCl <sub>2</sub> and NaCl on aquaporins of pepper plants. <i>Journal of Plant Physiology</i> , 2003, 160, 1487-1492.	1.6	22
113	Response of 'Star Ruby'™ grapefruit on two rootstocks to NaCl salinity. <i>Journal of Horticultural Science and Biotechnology</i> , 2003, 78, 859-865.	0.9	13
114	Tomato yield and quality as affected by nitrogen source and salinity. <i>Agronomy for Sustainable Development</i> , 2003, 23, 249-256.	0.8	37
115	Water and nutrient uptake of grafted tomato plants grown under saline conditions. <i>Journal of Plant Physiology</i> , 2002, 159, 899-905.	1.6	67
116	Gas exchange, chlorophyll and nutrient contents in relation to Na <sup>+</sup> and Cl <sup>-</sup> accumulation in 'Sunburst'™ mandarin grafted on different rootstocks. <i>Plant Science</i> , 2002, 162, 705-712.	1.7	137
117	SALINITY AND AMMONIUM/NITRATE INTERACTIONS ON TOMATO PLANT DEVELOPMENT, NUTRITION, AND METABOLITES. <i>Journal of Plant Nutrition</i> , 2001, 24, 1561-1573.	0.9	67
118	Does calcium ameliorate the negative effect of NaCl on melon root water transport by regulating aquaporin activity?. <i>New Phytologist</i> , 2000, 145, 439-447.	3.5	127
119	Modification of the response of saline stressed tomato plants by the correction of cation disorders. <i>Plant Growth Regulation</i> , 2000, 30, 37-47.	1.8	27
120	Root hydraulic conductance: diurnal aquaporin expression and the effects of nutrient stress. <i>Journal of Experimental Botany</i> , 2000, 51, 61-70.	2.4	265
121	Ammonium, bicarbonate and calcium effects on tomato plants grown under saline conditions. <i>Plant Science</i> , 2000, 157, 89-96.	1.7	85
122	Salinity Resistance of Citrus Seedlings in Relation to Hydraulic Conductance, Plasma Membrane ATPase and Anatomy of the Roots. <i>Journal of Plant Physiology</i> , 2000, 156, 724-730.	1.6	33
123	Root hydraulic conductance: diurnal aquaporin expression and the effects of nutrient stress. <i>Journal of Experimental Botany</i> , 2000, 51, 61-70.	2.4	261
124	The Response of Plants to Salinity Involves Root Water Channels. , 2000, , 261-267.		3
125	Regulation of water channel activity in whole roots and in protoplasts from roots of melon plants grown under saline conditions. <i>Functional Plant Biology</i> , 2000, 27, 685.	1.1	16
126	Influence of magnesium and salinity on tomato plants grown in hydroponic culture. <i>Journal of Plant Nutrition</i> , 1999, 22, 177-190.	0.9	47

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127	Physiological function of water channels as affected by salinity in roots of paprika pepper. <i>Physiologia Plantarum</i> , 1999, 105, 95-101.	2.6	140
128	Diurnal variations in hydraulic conductivity and root pressure can be correlated with the expression of putative aquaporins in the roots of <i>Lotus japonicus</i> . <i>Planta</i> , 1999, 210, 50-60.	1.6	251
129	The lipid bilayer and aquaporins: parallel pathways for water movement into plant cells. <i>Plant Growth Regulation</i> , 1998, 25, 89-95.	1.8	15
130	Time course of solute accumulation and water relations in muskmelon plants exposed to salt during different growth stages. <i>Plant Science</i> , 1998, 138, 103-112.	1.7	40
131	Why titanium is a beneficial element for plants. <i>Journal of Plant Nutrition</i> , 1998, 21, 655-664.	0.9	66
132	Response of eight <i>Cucumis melo</i> cultivars to salinity during germination and early vegetative growth. <i>Agronomy for Sustainable Development</i> , 1998, 18, 503-513.	0.8	48
133	Effect of ascorbic acid addition to peppers on paprika quality. <i>Journal of the Science of Food and Agriculture</i> , 1997, 75, 442-446.	1.7	28
134	Effect of ascorbic acid addition to peppers on paprika quality. , 1997, 75, 442.		1
135	Responses of wheat plants to nutrient deprivation may involve the regulation of water-channel function. <i>Planta</i> , 1996, 199, 372.	1.6	238
136	Plasma membrane fluidity and hydraulic conductance in wheat roots: interactions between root temperature and nitrate or phosphate deprivation. <i>Plant, Cell and Environment</i> , 1996, 19, 1110-1114.	2.8	30
137	Effect of Ti (IV) on Fe activity in <i>Capsicum annum</i> . <i>Phytochemistry</i> , 1995, 39, 977-980.	1.4	14
138	Effect of titanium (IV) application on some enzymatic activities in several developing stages of red pepper plants. <i>Journal of Plant Nutrition</i> , 1994, 17, 243-253.	0.9	15
139	Salinity Stress in Red Radish Crops. , 0, , .		1