Eduardo Primo-Millo

List of Publications by Year
in descending order

80 papers	3,333 citations	126907 33 h-index	155660 55 g-index
81 all docs	81 docs citations	81 times ranked	2804 citing authors

#	Article	IF	Citations
1	Chloride absorption in salt-sensitive Carrizo citrange and salt-tolerant Cleopatra mandarin citrus rootstocks is linked to water use. Journal of Experimental Botany, 2003, 54, 825-833.	4.8	174
2	Hormonal regulation of fruitlet abscission induced by carbohydrate shortage in citrus. Planta, 2000, 210, 636-643.	3.2	168
3	Hydrogel substrate amendment alleviates drought effects on young citrus plants. Plant and Soil, 2005, 270, 73-82.	3.7	134
4	1-Aminocyclopropane-1-Carboxylic Acid Transported from Roots to Shoots Promotes Leaf Abscission in Cleopatra Mandarin (Citrus reshni Hort. ex Tan.) Seedlings Rehydrated after Water Stress. Plant Physiology, 1992, 100, 131-137.	4.8	133
5	Gibberellins and Parthenocarpic Ability in Developing Ovaries of Seedless Mandarins. Plant Physiology, 1992, 99, 1575-1581.	4.8	129
6	Abscisic Acid Reduces Leaf Abscission and Increases Salt Tolerance in Citrus Plants. Journal of Plant Growth Regulation, 2002, 21, 234-240.	5.1	115
7	Growth and gas exchange parameters of Citrus plants stressed with different salts. Journal of Plant Physiology, 1997, 150, 194-199.	3.5	111
8	In vivo sucrose stimulation of colour change in citrus fruit epicarps: Interactions between nutritional and hormonal signals. Physiologia Plantarum, 2001, 112, 244-250.	5.2	105
9	Fruit set dependence on carbohydrate availability in citrus trees. Tree Physiology, 2003, 23, 199-204.	3.1	104
10	Fruit regulates seasonal expression of flowering genes in alternate-bearing â€˜Moncadaâ€™ mandarin. Annals of Botany, 2011, 108, 511-519.	2.9	92
11	Root signalling and modulation of stomatal closure in flooded citrus seedlings. Plant Physiology and Biochemistry, 2011, 49, 636-645.	5.8	92
12	Kinetics of nitrate uptake by Citrus seedlings and inhibitory effects of salinity. Plant Science, 1997, 126, 105-112.	3.6	77
13	Relationships between xylem anatomy, root hydraulic conductivity, leaf/root ratio and transpiration in citrus trees on different rootstocks. Physiologia Plantarum, 2010, 139, 159-169.	5.2	75
14	Gibberellic Acid Reduces Flowering Intensity in Sweet Orange [Citrus sinensis (L.) Osbeck] by Repressing CiFT Gene Expression. Journal of Plant Growth Regulation, 2012, 31, 529-536.	5.1	75
15	The ectopic overexpression of a citrus gibberellin 20-oxidase enhances the non-13-hydroxylation pathway of gibberellin biosynthesis and induces an extremely elongated phenotype in tobacco. Physiologia Plantarum, 2001, 112, 251-260.	5.2	72
16	Hormonal changes associated with fruit set and development in mandarins differing in their parthenocarpic ability. Physiologia Plantarum, 1990, 79, 400-406.	5.2	70
17	Carbohydrate and ethylene levels related to fruitlet drop through abscission zone A in citrus. Trees - Structure and Function, 2006, 20, 348-355.	1.9	68
18	Citrus rootstock responses to water stress. Scientia Horticulturae, 2010, 126, 95-102.	3.6	66

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19	Responses ofÂcitrus plants toÂozone: leaf biochemistry, antioxidant mechanisms andÂlipid peroxidation. Plant Physiology and Biochemistry, 2006, 44, 125-131.	5.8	63
20	Tetraploidy Enhances Boron-Excess Tolerance in Carrizo Citrange (Citrus sinensis L. Osb. Ã— Poncirus) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.6	57
21	Gibberellins inCitrus sinensis: A comparison between seeded and seedless varieties. Journal of Plant Growth Regulation, 1990, 9, 201-206.	5.1	51
22	Hormonal changes associated with fruit set and development in mandarins differing in their parthenocarpic ability. Physiologia Plantarum, 1990, 79, 400-406.	5.2	51
23	Effects of salinity on diploid (2x) and doubled diploid (4x) Citrus macrophylla genotypes. Scientia Horticulturae, 2016, 207, 33-40.	3.6	48
24	Gibberellin reactivates and maintains ovary-wall cell division causing fruit set in parthenocarpic Citrus species. Plant Science, 2016, 247, 13-24.	3.6	48
25	The synthetic auxin 3,5,6-TPA stimulates carbohydrate accumulation and growth in citrus fruit. Plant Growth Regulation, 2002, 36, 141-147.	3.4	45
26	Flooding affects uptake and distribution of carbon and nitrogen in citrus seedlings. Journal of Plant Physiology, 2012, 169, 1150-1157.	3.5	44
27	Nitrate improves growth in salt-stressed citrus seedlings through effects on photosynthetic activity and chloride accumulation. Tree Physiology, 2004, 24, 1027-1034.	3.1	43
28	Transmissible salt tolerance traits identified through reciprocal grafts between sensitive Carrizo and tolerant Cleopatra citrus genotypes. Journal of Plant Physiology, 2002, 159, 991-998.	3.5	40
29	Recovery of the 15N-labelled fertiliser in citrus trees in relation with timing of application and irrigation system. Plant and Soil, 2005, 268, 367-376.	3.7	40
30	Selfâ€pollination and parthenocarpic ability in developing ovaries of selfâ€incompatible Clementine mandarins (Citrus clementina). Physiologia Plantarum, 2013, 148, 87-96.	5.2	38
31	Fruit load modulates flowering-related gene expression in buds of alternate-bearing â€˜Moncadaâ€™ mandarin. Annals of Botany, 2012, 110, 1109-1118.	2.9	37
32	Influence of salinity on pip gene expression in citrus roots and its relationship with root hydraulic conductance, transpiration and chloride exclusion from leaves. Environmental and Experimental Botany, 2012, 78, 163-166.	4.2	37
33	Fruitâ€dependent epigenetic regulation of flowering in Citrus. New Phytologist, 2020, 225, 376-384.	7.3	37
34	Antagonistic Changes between Abscisic Acid and Gibberellins in Citrus Fruits Subjected to a Series of Different Water Conditions. Journal of Plant Growth Regulation, 2005, 24, 179-187.	5.1	35
35	Metabolic responses to iron deficiency in roots of Carrizo citrange [Citrus sinensis (L.) Osbeck. x Poncirus trifoliata (L.) Raf.]. Tree Physiology, 2013, 33, 320-329.	3.1	34
36	Physiological and Molecular Responses to Excess Boron in Citrus macrophylla W. PLoS ONE, 2015, 10, e0134372.	2.5	32

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37	Water-deficit tolerance in citrus is mediated by the down regulation of PIP gene expression in the roots. Plant and Soil, 2011, 347, 91-104.	3.7	31
38	The effect of sodium bicarbonate on plant performance and iron acquisition system of FA-5 (Forner-Alcaide 5) citrus seedlings. Acta Physiologiae Plantarum, 2013, 35, 2833-2845.	2.1	30
39	Molecular Characterization and Stress Tolerance Evaluation of New Allotetraploid Somatic Hybrids Between Carrizo Citrange and Citrus macrophylla W. rootstocks. Frontiers in Plant Science, 2018, 9, 901.	3.6	30
40	Ammonium transport and CitAMT1 expression are regulated by N in Citrus plants. Planta, 2009, 229, 331-342.	3.2	29
41	Nitrogenâ€use efficiency of young citrus trees as influenced by the timing of fertilizer application. Journal of Plant Nutrition and Soil Science, 2012, 175, 282-292.	1.9	29
42	Strategy I responses to Fe-deficiency of two Citrus rootstocks differing in their tolerance to iron chlorosis. Scientia Horticulturae, 2013, 153, 56-63.	3.6	28
43	Carbon utilization by fruit limits shoot growth in alternate-bearing citrus trees. Journal of Plant Physiology, 2015, 176, 108-117.	3.5	28
44	Selection of a NaCl-tolerant Citrus plant. Plant Cell Reports, 1995, 14, 314-8.	5.6	25
45	Ammonium transport and CitAMT1 expression are regulated by light and sucrose in Citrus plants. Journal of Experimental Botany, 2007, 58, 2811-2825.	4.8	24
46	Nitrogen remobilization response to current supply in young citrus trees. Plant and Soil, 2011, 342, 433-443.	3.7	24
47	Selection of Nicotiana tabacum Haploids of High Photosynthetic Efficiency. Plant Physiology, 1985, 79, 505-508.	4.8	23
48	NUTRITIONAL RESPONSES OF CITRUS ROOTSTOCKS TO SALINITY: PERFORMANCE OF THE NEW HYBRIDS FORNER-ALCAIDE 5 AND FORNER-ALCAIDE 13. Journal of Plant Nutrition, 2011, 34, 1437-1452.	1.9	23
49	Impact of fertilizer-water management on nitrogen use efficiency and potential nitrate leaching in citrus trees. Soil Science and Plant Nutrition, 2012, 58, 659-669.	1.9	22
50	Influence of Chloride and Transpiration on Net15NO3â^'Uptake Rate byCitrus Roots. Annals of Botany, 1999, 84, 117-120.	2.9	21
51	Carbon balance of citrus plantations in Eastern Spain. Agriculture, Ecosystems and Environment, 2013, 171, 103-111.	5.3	21
52	Auxin and Gibberellin Interact in Citrus Fruit Set. Journal of Plant Growth Regulation, 2018, 37, 491-501.	5.1	21
53	Hormonal Profile in Ovaries of Mandarin Varieties with Differing Reproductive Behaviour. Journal of Plant Growth Regulation, 2015, 34, 584-594.	5.1	19
54	An Integrated View of Whole-Tree Hydraulic Architecture. Does Stomatal or Hydraulic Conductance Determine Whole Tree Transpiration?. PLoS ONE, 2016, 11, e0155246.	2.5	19

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55	Cytokinins in peach: Endogenous levels during early fruit development. Plant Physiology and Biochemistry, 1999, 37, 741-750.	5.8	18
56	Bicarbonate blocks iron translocation from cotyledons inducing iron stress responses in Citrus roots. Journal of Plant Physiology, 2013, 170, 899-905.	3.5	18
57	Proteomic analysis of â€œMoncadaâ€•mandarin leaves with contrasting fruit load. Plant Physiology and Biochemistry, 2013, 62, 95-106.	5.8	18
58	Flooding Impairs Fe Uptake and Distribution in Citrus Due to the Strong Down-Regulation of Genes Involved in Strategy I Responses to Fe Deficiency in Roots. PLoS ONE, 2015, 10, e0123644.	2.5	18
59	Regulation of Nitrate Transport in Citrus Rootstocks Depending of Nitrogen Availability. Plant Signaling and Behavior, 2007, 2, 337-342.	2.4	17
60	1-Aminocyclopropane-1-carboxylic acid-induced ethylene stimulates callus formation by cell enlargement in the cambial region of internodal explants of Citrus. Plant Science, 1995, 110, 113-119.	3.6	16
61	Influence of Rootstocks on Photosynthesis in Navel Orange Leaves: Effects on Growth, Yield, and Carbohydrate Distribution. Crop Science, 2012, 52, 836-848.	1.8	14
62	Effects of high levels of zinc and manganese ions on Strategy I responses to iron deficiency in citrus. Plant and Soil, 2013, 373, 943-953.	3.7	14
63	Proteomic study of â€˜Moncadaâ€™ mandarin buds from on- versus off-crop trees. Plant Physiology and Biochemistry, 2013, 73, 41-55.	5.8	14
64	Hydraulic and Chemical Responses of Citrus Seedlings to Drought and Osmotic Stress. Journal of Plant Growth Regulation, 2011, 30, 353-366.	5.1	13
65	Mechanical pruning attenuates alternate bearing in â€˜Nadorcottâ€™ mandarin. Scientia Horticulturae, 2020, 261, 108993.	3.6	11
66	Chromatin changes related to dedifferentiation and differentiation in tobacco tissue culture (Nicotiana tabacum L.). Planta, 1982, 155, 273-280.	3.2	9
67	Fate of 15N-Labeled Potassium Nitrate in Different Citrus-Cultivated Soils: Influence of Spring and Summer Application. Water, Air, and Soil Pollution, 2012, 223, 2209-2222.	2.4	9
68	Control by the embryo axis of the breakdown of storage proteins in cotyledons of germinating seeds of citrus limon. Journal of the Science of Food and Agriculture, 1991, 56, 435-443.	3.5	8
69	Flowering and fruit set. , 2020, , 219-244.		8
70	Seasonal Changes in Nitrate Uptake Efficiency in Young Potted Citrus Trees. Journal of Agricultural Science, 2012, 4, .	0.2	6
71	Use of Nitrification Inhibitor DMPP to Improve Nitrogen Uptake Efficiency in Citrus Trees. Journal of Agricultural Science, 2013, 5, .	0.2	6
72	Fertigation: Concept and Application in Citrus. , 2012, , 281-301.		5

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73	Biosynthesis and Contents of Gibberellins in Seeded and Seedless Sweet Orange (Citrus sinensis L.) Tj ETQq1 1 0.784314 rgBT /Overl	3.1	5
74	Vegetative growth. , 2020, , 193-217.		5
75	Allometric Models for Estimating Carbon Fixation in Citrus Trees. Agronomy Journal, 2013, 105, 1355-1366.	1.8	4
76	BEHAVIOR OF DIPLOID AND TETRAPLOID GENOTYPES OF 'CARRIZO' CITRANGE UNDER ABIOTIC STRESS. Acta Horticulturae, 2015, , 1283-1292.	0.2	4
77	Influence of p-dimethylaminoazobenzene and doxorubicin on tobacco cell growth (Nicotiana tabacum) Tj ETQq1 1 0.784314 rgBT /Ov	3.4	0
78	Use or abuse of bioinformatic tools: a response to Samach. Annals of Botany, 2013, 111, 335-336.	2.9	0
79	DIFFERENTIAL EXPRESSION OF PROTEINS RELATED TO PRIMARY METABOLISM IN 'MONCADA' MANDARIN LEAVES WITH CONTRASTING FRUIT LOAD. Acta Horticulturae, 2015, , 613-624.	0.2	0
80	PROTEINS RELATED TO STRESS AND REDOX STATE OF 'MONCADA' MANDARIN LEAVES WITH CONTRASTING FRUIT LOAD. Acta Horticulturae, 2015, , 625-634.	0.2	0