Maru00eda Yolanda Gogorcena

List of Publications by Year
in descending order

85 papers	3,797 citations	87888 38 h-index	138484 58 g-index
86 all docs	86 docs citations	86 times ranked	3178 citing authors

#	Article	IF	Citations
1	Antioxidant Defenses against Activated Oxygen in Pea Nodules Subjected to Water Stress. Plant Physiology, 1995, 108, 753-759.	4.8	177
2	Evaluation of the Antioxidant Capacity, Phenolic Compounds, and Vitamin C Content of Different Peach and Nectarine [Prunus persica (L.) Batsch] Breeding Progenies. Journal of Agricultural and Food Chemistry, 2009, 57, 4586-4592.	5.2	174
3	Responses of Sugar Beet Roots to Iron Deficiency. Changes in Carbon Assimilation and Oxygen Use. Plant Physiology, 2000, 124, 885-898.	4.8	157
4	Physiological, biochemical and molecular responses in four Prunus rootstocks submitted to drought stress. Tree Physiology, 2013, 33, 1061-1075.	3.1	132
5	Activated oxygen and antioxidant defences in iron-deficient pea plants. Plant, Cell and Environment, 1995, 18, 421-429.	5.7	124
6	Effects of Cd and Pb in sugar beet plants grown in nutrient solution: induced Fe deficiency and growth inhibition. Functional Plant Biology, 2002, 29, 1453.	2.1	115
7	Metabolic responses in iron deficient tomato plants. Journal of Plant Physiology, 2009, 166, 375-384.	3.5	108
8	N2 Fixation, Carbon Metabolism, and Oxidative Damage in Nodules of Dark-Stressed Common Bean Plants. Plant Physiology, 1997, 113, 1193-1201.	4.8	107
9	Influence of almond Ã— peach hybrids rootstocks on flower and leaf mineral concentration, yield and vigour of two peach cultivars. Scientia Horticulturae, 2005, 106, 502-514.	3.6	96
10	Phenotypic diversity and relationships of fruit quality traits in peach and nectarine [Prunus persica (L.) Batsch] breeding progenies. Euphytica, 2010, 171, 211.	1.2	87
11	Chilling injury susceptibility in an intra-specific peach [Prunus persica (L.) Batsch] progeny. Postharvest Biology and Technology, 2010, 58, 79-87.	6.0	86
12	Influence of different vigour cherry rootstocks on leaves and shoots mineral composition. Scientia Horticulturae, 2007, 112, 73-79.	3.6	84
13	Involvement of Activated Oxygen in Nitrate-Induced Senescence of Pea Root Nodules. Plant Physiology, 1996, 110, 1187-1195.	4.8	80
14	Phenolic, sugar and acid profiles and the antioxidant composition in the peel and pulp of peach fruits. Journal of Food Composition and Analysis, 2017, 62, 126-133.	3.9	78
15	Analysis of phenotypic variation of sugar profile in different peach and nectarine [<i>Prunus persica</i> (L.) Batsch] breeding progenies. Journal of the Science of Food and Agriculture, 2009, 89, 1909-1917.	3.5	73
16	Population structure and markerâ€"trait associations for pomological traits in peach and nectarine cultivars. Tree Genetics and Genomes, 2013, 9, 331-349.	1.6	65
17	Evaluation of Antioxidant Compounds and Total Sugar Content in a Nectarine [Prunus persica (L.) Batsch] Progeny. International Journal of Molecular Sciences, 2011, 12, 6919-6935.	4.1	63
18	Mapping QTLs associated with fruit quality traits in peach [Prunus persica (L.) Batsch] using SNP maps. Tree Genetics and Genomes, 2016, 12, 1.	1.6	60

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19	Tolerance Response to Iron Chlorosis of Prunus Selections as Rootstocks. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 304-309.	1.0	60
20	Metabolic response in roots of Prunus rootstocks submitted to iron chlorosis. Journal of Plant Physiology, 2011, 168, 415-423.	3.5	58
21	Transcriptional Responses in Root and Leaf of Prunus persica under Drought Stress Using RNA Sequencing. Frontiers in Plant Science, 2016, 7, 1715.	3.6	58
22	Technical Advance: Reduction of Fe(III)-Chelates by Mesophyll LeafDisks of Sugar Beet. Multi-Component Origin and Effects of FeDeficiency. Plant and Cell Physiology, 2001, 42, 94-105.	3.1	57
23	Changes in Cell/Tissue Organization and Peroxidase Activity as Markers for Early Detection of Graft Incompatibility in Peach/Plum Combinations. Journal of the American Society for Horticultural Science, 2010, 135, 9-17.	1.0	55
24	Graft Compatibility Between Peach Cultivars and Prunus Rootstocks. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 1389-1394.	1.0	54
25	Induction of<i>in vivo</i>root ferric chelate reductase activity in fruit tree rootstock. Journal of Plant Nutrition, 2000, 23, 9-21.	1.9	53
26	Effects of cadmium and lead on ferric chelate reductase activities in sugar beet roots. Plant Physiology and Biochemistry, 2003, 41, 999-1005.	5.8	52
27	Nitrogen nutrition influences some biochemical responses to iron deficiency in tolerant and sensitive genotypes of Vitis. Plant and Soil, 2007, 290, 343-355.	3.7	52
28	Changes in alfalfa forage quality and stem carbohydrates induced by arbuscular mycorrhizal fungi and elevated atmospheric CO₂. Annals of Applied Biology, 2014, 164, 190-199.	2.5	52
29	Influence of antioxidant compounds, total sugars and genetic background on the chilling injury susceptibility of a nonâ€melting peach (<i>Prunus persica</i> (L.) Batsch) progeny. Journal of the Science of Food and Agriculture, 2015, 95, 351-358.	3.5	51
30	Flower and Foliar Analysis for Prognosis of Sweet Cherry Nutrition: Influence of Different Rootstocks. Journal of Plant Nutrition, 2004, 27, 701-712.	1.9	50
31	Growth, yield and fruit quality of â€˜Vanâ€™ and â€˜Stark Hardy Giantâ€™ sweet cherry cultivars as influenced by grafting on different rootstocks. Scientia Horticulturae, 2010, 123, 329-335.	3.6	50
32	The use of RAPD markers for identification of cultivated grapevine (Vitis vinifera L.). Scientia Horticulturae, 1995, 62, 237-243.	3.6	48
33	Phenotypic diversity among local Spanish and foreign peach and nectarine [Prunus persica (L.) Batsch] accessions. Euphytica, 2014, 197, 261-277.	1.2	48
34	Dynamics of metabolic responses to iron deficiency in sugar beet roots. Plant Science, 2004, 166, 1045-1050.	3.6	47
35	A New Technique for Screening Iron-Efficient Genotypes in Peach Rootstocks: Elicitation of Root Ferric Chelate Reductase by Manipulation of External Iron Concentrations. Journal of Plant Nutrition, 2005, 27, 1701-1715.	1.9	45
36	Peach Brown Rot: Still in Search of an Ideal Management Option. Agriculture (Switzerland), 2018, 8, 125.	3.1	44

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37	Iron deficiency-induced changes in carbon fixation and leaf elemental composition of sugar beet (Beta) Tj ETQq1 1 0.784314 rgBT /Over	3.7	41
38	Agronomical and fruit quality traits of two peach cultivars on peach-almond hybrid rootstocks growing on Mediterranean conditions. Scientia Horticulturae, 2012, 140, 157-163.	3.6	41
39	Elemental 2-D mapping and changes in leaf iron and chlorophyll in response to iron re-supply in iron-deficient GF 677 peach-almond hybrid. Plant and Soil, 2009, 315, 93-106.	3.7	38
40	Two Fe-superoxide dismutase families respond differently to stress and senescence in legumes. Journal of Plant Physiology, 2012, 169, 1253-1260.	3.5	38
41	Physiological responses and differential gene expression in Prunus rootstocks under iron deficiency conditions. Journal of Plant Physiology, 2011, 168, 887-893.	3.5	37
42	Morphogenesis and tissue culture of sweet orange (Citrus sinensis (L.) Osb.): Effect of temperature and photosynthetic radiation. Plant Cell, Tissue and Organ Culture, 1992, 29, 11-18.	2.3	36
43	Molecular characterization and genetic diversity of Prunus rootstocks. Scientia Horticulturae, 2009, 120, 237-245.	3.6	36
44	Performance of peach and plum based rootstocks of different vigour on a late peach cultivar in replant and calcareous conditions. Scientia Horticulturae, 2011, 129, 58-63.	3.6	36
45	Chloroplast DNA Diversity in Prunus and Its Implication on Genetic Relationships. Journal of the American Society for Horticultural Science, 2007, 132, 670-679.	1.0	35
46	Agronomical Parameters, Sugar Profile and Antioxidant Compounds of â€œCatherineâ€•Peach Cultivar Influenced by Different Plum Rootstocks. International Journal of Molecular Sciences, 2014, 15, 2237-2254.	4.1	33
47	Use of molecular markers in detection of synonymies and homonymies in grapevines (Vitis vinifera L.). Scientia Horticulturae, 2002, 92, 241-254.	3.6	32
48	Morphological and molecular variability in some Iranian almond genotypes and related Prunus species and their potentials for rootstock breeding. Scientia Horticulturae, 2011, 129, 108-118.	3.6	32
49	Analysis of the genetic diversity and structure of the Spanish apple genetic resources suggests the existence of an Iberian genepool. Annals of Applied Biology, 2017, 171, 424-440.	2.5	31
50	Genetic variability of introduced and local Spanish peach cultivars determined by SSR markers. Tree Genetics and Genomes, 2011, 7, 257-270.	1.6	30
51	Fruit sugar profile and antioxidants of peach and nectarine cultivars on almondÃ—peach hybrid rootstocks. Scientia Horticulturae, 2013, 164, 563-572.	3.6	27
52	Evaluation of RAPD marker consistency for detection of polymorphism in apricot. Scientia Horticulturae, 1994, 59, 163-167.	3.6	26
53	Assessment of genetic diversity and relatedness among Tunisian almond germplasm using SSR markers. Hereditas, 2010, 147, 283-292.	1.4	25
54	Tuning promoter boundaries improves regulatory motif discovery in nonmodel plants: the peach example. Plant Physiology, 2021, 185, 1242-1258.	4.8	25

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55	Molecular characterization of Miraflores peach variety and relatives using SSRs. Scientia Horticulturae, 2007, 111, 140-145.	3.6	24
56	Recovery of whole plants of sweet orange from somatic embryos subjected to freezing thawing treatments. Plant Cell, Tissue and Organ Culture, 1993, 34, 27-33.	2.3	23
57	The use of isoenzymes in characterization of grapevines (Vitis vinifera, L.). Influence of the environment and time of sampling. Scientia Horticulturae, 1997, 69, 145-155.	3.6	23
58	Effects of cadmium on cork oak (Quercus suber L.) plants grown in hydroponics. Tree Physiology, 2011, 31, 1401-1412.	3.1	23
59	Interactional Effects of Climate Change Factors on the Water Status, Photosynthetic Rate, and Metabolic Regulation in Peach. Frontiers in Plant Science, 2020, 11, 43.	3.6	23
60	Beneficial effect of mycorrhiza on nutritional uptake and oxidative balance in pistachio (Pistacia spp.) rootstocks submitted to drought and salinity stress. Scientia Horticulturae, 2021, 281, 109937.	3.6	23
61	Comparative electrophoretic studies of seed proteins in some species of the genera Diplotaxis, Erucastrum , and Brassica (Cruciferae: Brassiceae). Taxon, 1992, 41, 477-483.	0.7	22
62	Changes Induced by Fe Deficiency and Fe Resupply in the Root Protein Profile of a Peach-Almond Hybrid Rootstock. Journal of Proteome Research, 2013, 12, 1162-1172.	3.7	22
63	Nitrogen Fixation and Leghemoglobin Content during Vegetative Growth of Alfalfa. Journal of Plant Physiology, 1986, 123, 117-125.	3.5	21
64	Pearl millet growth and biochemical alterations determined by mycorrhizal inoculation, water availability and atmospheric CO2 concentration. Crop and Pasture Science, 2015, 66, 831.	1.5	20
65	Optimizing protocols to evaluate brown rot (Monilinia laxa) susceptibility in peach and nectarine fruits. Australasian Plant Pathology, 2017, 46, 183-189.	1.0	15
66	Breeding strategies for identifying superior peach genotypes resistant to brown rot. Scientia Horticulturae, 2019, 246, 1028-1036.	3.6	15
67	Effects of nitrogen source and water availability on stem carbohydrates and cellulosic bioethanol traits of alfalfa plants. Plant Science, 2012, 191-192, 16-23.	3.6	12
68	Development of an SSR-based identification key for Tunisian local almonds. Scientia Agricola, 2012, 69, 108-113.	1.2	12
69	Phenotypic diversity of Spanish apple (Malus x domestica Borkh) accessions grown at the vulnerable climatic conditions of the Ebro Valley, Spain. Scientia Horticulturae, 2015, 185, 200-210.	3.6	12
70	Preservation and Molecular Characterization of Ancient Varieties in Spanish Grapevine Germplasm Collections. American Journal of Enology and Viticulture, 2010, 61, 557-562.	1.7	11
71	Effects of pH and titratable acidity on the growth and development of Monilinia laxa (Aderh. &) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	11
72	Association analysis and molecular tagging of phytochemicals in the endangered medicinal plant licorice (Glycyrrhiza glabra L.). Phytochemistry, 2021, 183, 112629.	2.9	11

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73	Genomic-Based Breeding for Climate-Smart Peach Varieties. , 2020, , 271-331.		11
74	Genetic analysis of iron chlorosis tolerance in Prunus rootstocks. Tree Genetics and Genomes, 2012, 8, 943-955.	1.6	9
75	Iron resupply-mediated deactivation of Fe-deficiency stress responses in roots of sugar beet. Functional Plant Biology, 2001, 28, 171.	2.1	9
76	Characterisation of sour orange (Citrus aurantium) cultivars. Journal of the Science of Food and Agriculture, 1989, 48, 275-284.	3.5	8
77	Use of multivariate analysis in the taxonomy of Citrus aurantium L. and relatives. Scientia Horticulturae, 1993, 53, 301-310.	3.6	7
78	Responsiveness of Durum Wheat to Mycorrhizal Inoculation Under Different Environmental Scenarios. Journal of Plant Growth Regulation, 2017, 36, 855-867.	5.1	6
79	Is the Tolerance of Commercial Peach Cultivars to Brown Rot Caused by Monilinia laxa Modulated by its Antioxidant Content?. Plants, 2020, 9, 589.	3.5	6
80	A New Technique for Screening Iron-Efficient Genotypes in Peach Rootstocks: Elicitation of Root Ferric Chelate Reductase by Manipulation of External Iron Concentrations. Journal of Plant Nutrition, 2004, 27, 1701-1715.	1.9	6
81	Simple Sequence Repeat Characterisation of Traditional Apple Cultivars (Malus domestica Borkh.) Grown in the Region of Madrid (Central Spain). Plant Molecular Biology Reporter, 2020, 38, 676-690.	1.8	5
82	Assessment of Nutritional and Quality Properties of Leaves and Musts in Three Local Spanish Grapevine Varieties Undergoing Controlled Climate Change Scenarios. Plants, 2021, 10, 1198.	3.5	3
83	Identification of mandarin hybrids with the aid of isozymes from different organs. Scientia Horticulturae, 1990, 41, 285-291.	3.6	2
84	Molecular, Physico-Chemical, and Sensory Characterization of the Traditional Spanish Apple Variety â€œPero de CehegÃnâ€• Agronomy, 2020, 10, 1093.	3.0	1
85	Parrel, vinÃfera aragonesa de la depresiÃ³n del Ebro. AdaptaciÃ³n a terroir semiÃ¡ridos de cultivo.. E3S Web of Conferences, 2018, 50, 01045.	0.5	0