

Mariola Plazas

List of Publications by Year in descending order

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papers

2,616
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docs citations

87
times ranked

2161
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth and antioxidant responses triggered by water stress in wild relatives of eggplant. <i>Scientia Horticulturae</i> , 2022, 293, 110685.	1.7	17
2	Fruit Composition of Eggplant Lines with Introgressions from the Wild Relative <i>S. incanum</i> : Interest for Breeding and Safety for Consumption. <i>Agronomy</i> , 2022, 12, 266.	1.3	10
3	Biological Traits and Genetic Relationships Amongst Cultivars of Three Species of <i>Tagetes</i> (Asteraceae). <i>Plants</i> , 2022, 11, 760.	1.6	6
4	INTRODUCTION AND DEVELOPMENT OF A PRACTICAL LESSON FOR IMPROVING THE COMPETENCE OF UNDERGRADUATE STUDENTS IN MASSIVE GENOTYPING DATA ANALYSIS: THE USEFULNESS OF TASSEL SOFTWARE. <i>INTED Proceedings</i> , 2022, , .	0.0	0
5	Newly Developed MAGIC Population Allows Identification of Strong Associations and Candidate Genes for Anthocyanin Pigmentation in Eggplant. <i>Frontiers in Plant Science</i> , 2022, 13, 847789.	1.7	15
6	INTRODUCTION TO ADVANCED SEQUENCING TECHNOLOGIES FOR UNDERGRADUATE STUDENTS IN GENETICS: MINION REAL-TIME SEQUENCING. <i>INTED Proceedings</i> , 2022, , .	0.0	0
7	Breeding and Genome Mapping for Resistance to Biotic Stress in Eggplant. , 2022, , 147-187.		1
8	Genetic parameters of drought tolerance for agromorphological traits in eggplant, wild relatives, and interspecific hybrids. <i>Crop Science</i> , 2021, 61, 55-68.	0.8	15
9	From bits to bites: Advancement of the Germinate platform to support prebreeding informatics for crop wild relatives. <i>Crop Science</i> , 2021, 61, 1538-1566.	0.8	26
10	Pepper and Eggplant Genetic Resources. <i>Compendium of Plant Genomes</i> , 2021, , 119-154.	0.3	3
11	The influence of acute water stresses on the biochemical composition of bell pepper (<i>Capsicum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1.7 3	1.7	3
12	Variation for Composition and Quality in a Collection of the Resilient Mediterranean "de penjar"™ Long Shelf-Life Tomato Under High and Low N Fertilization Levels. <i>Frontiers in Plant Science</i> , 2021, 12, 633957.	1.7	15
13	Fruit shape morphometric analysis and QTL detection in a set of eggplant introgression lines. <i>Scientia Horticulturae</i> , 2021, 282, 110006.	1.7	14
14	Moderate and severe water stress effects on morphological and biochemical traits in a set of pepino (<i>Solanum muricatum</i>) cultivars. <i>Scientia Horticulturae</i> , 2021, 284, 110143.	1.7	5
15	Potential In Vitro Inhibition of Selected Plant Extracts against SARS-CoV-2 Chymotrypsin-Like Protease (3CLPro) Activity. <i>Foods</i> , 2021, 10, 1503.	1.9	25
16	Fruit composition profile of pepper, tomato and eggplant varieties grown under uniform conditions. <i>Food Research International</i> , 2021, 147, 110531.	2.9	33
17	Evaluation of Advanced Backcrosses of Eggplant with <i>Solanum elaeagnifolium</i> Introgressions under Low N Conditions. <i>Agronomy</i> , 2021, 11, 1770.	1.3	11
18	Editorial: Introgression Breeding in Cultivated Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 764533.	1.7	5

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19	Ploidy Modification for Plant Breeding Using In Vitro Organogenesis: A Case in Eggplant. <i>Methods in Molecular Biology</i> , 2021, 2264, 197-206.	0.4	5
20	Physico-Chemical, Nutritional, and Sensory Evaluation of Two New Commercial Tomato Hybrids and Their Parental Lines. <i>Plants</i> , 2021, 10, 2480.	1.6	9
21	A highly efficient organogenesis protocol based on zeatin riboside for in vitro regeneration of eggplant. <i>BMC Plant Biology</i> , 2020, 20, 6.	1.6	35
22	SILEX: a fast and inexpensive high-quality DNA extraction method suitable for multiple sequencing platforms and recalcitrant plant species. <i>Plant Methods</i> , 2020, 16, 110.	1.9	31
23	Development of Interspecific Hybrids between a Cultivated Eggplant Resistant to Bacterial Wilt (<i>Ralstonia solanacearum</i>) and Eggplant Wild Relatives for the Development of Rootstocks. <i>Plants</i> , 2020, 9, 1405.	1.6	15
24	Comparative Studies on the Physiological and Biochemical Responses to Salt Stress of Eggplant (<i>Solanum melongena</i>) and Its Rootstock <i>S. torvum</i> . <i>Agriculture (Switzerland)</i> , 2020, 10, 328.	1.4	18
25	The Dawn of the Age of Multi-Parent MAGIC Populations in Plant Breeding: Novel Powerful Next-Generation Resources for Genetic Analysis and Selection of Recombinant Elite Material. <i>Biology</i> , 2020, 9, 229.	1.3	31
26	Association of Heterotic Groups with Morphological Relationships and General Combining Ability in Eggplant. <i>Agriculture (Switzerland)</i> , 2020, 10, 203.	1.4	7
27	Physiological and Biochemical Responses to Salt Stress in Cultivated Eggplant (<i>Solanum melongena</i> L.) and in <i>S. insanum</i> L., a Close Wild Relative. <i>Agronomy</i> , 2020, 10, 651.	1.3	27
28	Genetic Relationships and Reproductive Traits of Romanian Populations of Silver Fir (<i>Abies alba</i>): Implications for the Sustainable Management of Local Populations. <i>Sustainability</i> , 2020, 12, 4199.	1.6	4
29	Performance of a Set of Eggplant (<i>Solanum melongena</i>) Lines With Introgressions From Its Wild Relative <i>S. incanum</i> Under Open Field and Screenhouse Conditions and Detection of QTLs. <i>Agronomy</i> , 2020, 10, 467.	1.3	27
30	Responses to Water Deficit and Salt Stress in Silver Fir (<i>Abies alba</i> Mill.) Seedlings. <i>Forests</i> , 2020, 11, 395.	0.9	11
31	Creating Products and Services in Plant Biotechnology. , 2019, , 19-52.		2
32	Detection, molecular characterisation and aspects involving the transmission of tomato chlorotic dwarf viroid in eggplant. <i>Annals of Applied Biology</i> , 2019, 175, 172-183.	1.3	3
33	Biotechnological tools for introgression breeding for adaptation of crops to climate change. <i>Journal of Biotechnology</i> , 2019, 305, S19.	1.9	0
34	Comparative analysis of the responses to water stress in eggplant (<i>Solanum melongena</i>) cultivars. <i>Plant Physiology and Biochemistry</i> , 2019, 143, 72-82.	2.8	41
35	Screening for Salt and Water Stress Tolerance in Fir (<i>Abies alba</i>) Populations. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2019, 47, 1063-1072.	0.5	5
36	First successful backcrossing towards eggplant (<i>Solanum melongena</i>) of a New World species, the silverleaf nightshade (<i>S. elaeagnifolium</i>), and characterization of interspecific hybrids and backcrosses. <i>Scientia Horticulturae</i> , 2019, 246, 563-573.	1.7	32

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37	INTRODUCTION AND DEVELOPMENT OF A PRACTICAL LESSON FOR IMPROVING THE COMPETENCE OF MASTER STUDENTS IN PLANT BREEDING: THE USEFULNESS OF SPECIFIC SOFTWARE IN PHENOTYPING TASKS. INTED Proceedings, 2019, , .	0.0	0
38	INTRODUCTION OF A PRACTICAL LESSON FOR THE EVALUATION OF BIOACTIVE QUALITY IN PLANT MATERIALS ADDRESSED TO STUDENTS IN PLANT BREEDING. , 2019, , .		0
39	INTRODUCTION OF A PRACTICAL LESSON FOR THE EVALUATION OF CAROTENOIDS IN FRUITS AND VEGETABLES FOR MASTER STUDENTS. , 2019, , .		0
40	Highly informative SSR genotyping reveals large genetic diversity and limited differentiation in European larch (<i>Larix decidua</i>) populations from Romania. <i>Türk Tarım Ve Ormancılık Dergisi/Turkish Journal of Agriculture and Forestry</i> , 2018, 42, 165-175.	0.8	16
41	Insights Into the Adaptation to Greenhouse Cultivation of the Traditional Mediterranean Long Shelf-Life Tomato Carrying the <i>alc</i> Mutation: A Multi-Trait Comparison of Landraces, Selections, and Hybrids in Open Field and Greenhouse. <i>Frontiers in Plant Science</i> , 2018, 9, 1774.	1.7	29
42	Diallel genetic analysis for multiple traits in eggplant and assessment of genetic distances for predicting hybrids performance. <i>PLoS ONE</i> , 2018, 13, e0199943.	1.1	43
43	Genetic structure of <i>Cannabis sativa</i> var. <i>indica</i> cultivars based on genomic SSR (gSSR) markers: Implications for breeding and germplasm management. <i>Industrial Crops and Products</i> , 2017, 104, 171-178.	2.5	55
44	Inoculation of cucumber, melon and zucchini varieties with <i>Tomato leaf curl New Delhi virus</i> and evaluation of infection using different detection methods. <i>Annals of Applied Biology</i> , 2017, 170, 405-414.	1.3	15
45	Phenolics content, fruit flesh colour and browning in cultivated eggplant, wild relatives and interspecific hybrids and implications for fruit quality breeding. <i>Food Research International</i> , 2017, 102, 392-401.	2.9	60
46	Comparison of transcriptome-derived simple sequence repeat (SSR) and single nucleotide polymorphism (SNP) markers for genetic fingerprinting, diversity evaluation, and establishment of relationships in eggplants. <i>Euphytica</i> , 2017, 213, 1.	0.6	44
47	Introgressomics: a new approach for using crop wild relatives in breeding for adaptation to climate change. <i>Euphytica</i> , 2017, 213, 1.	0.6	154
48	<i>Solanum insanum</i> L. (subgenus <i>Leptostemonum</i> Bitter, Solanaceae), the neglected wild progenitor of eggplant (<i>S. melongena</i> L.): a review of taxonomy, characteristics and uses aimed at its enhancement for improved eggplant breeding. <i>Genetic Resources and Crop Evolution</i> , 2017, 64, 1707-1722.	0.8	39
49	Development and Genetic Characterization of Advanced Backcross Materials and An Introgression Line Population of <i>Solanum insanum</i> in a <i>S. melongena</i> Background. <i>Frontiers in Plant Science</i> , 2017, 8, 1477.	1.7	57
50	Genomic Tools for the Enhancement of Vegetable Crops: A Case in Eggplant. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2017, 46, 1-13.	0.5	37
51	Coding SNPs analysis highlights genetic relationships and evolution pattern in eggplant complexes. <i>PLoS ONE</i> , 2017, 12, e0180774.	1.1	61
52	Phenolic Profile and Biological Activities of the Pepino (<i>Solanum muricatum</i>) Fruit and Its Wild Relative <i>S. caripense</i> . <i>International Journal of Molecular Sciences</i> , 2016, 17, 394.	1.8	20
53	Phenotyping of Eggplant Wild Relatives and Interspecific Hybrids with Conventional and Phenomics Descriptors Provides Insight for Their Potential Utilization in Breeding. <i>Frontiers in Plant Science</i> , 2016, 7, 677.	1.7	65
54	Development of backcross generations and new interspecific hybrid combinations for introgression breeding in eggplant (<i>Solanum melongena</i>). <i>Scientia Horticulturae</i> , 2016, 213, 199-207.	1.7	66

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55	The first de novo transcriptome of pepino (<i>Solanum muricatum</i>): assembly, comprehensive analysis and comparison with the closely related species <i>S. caripense</i> , potato and tomato. <i>BMC Genomics</i> , 2016, 17, 321.	1.2	29
56	Transcriptome analysis and molecular marker discovery in <i>Solanum incanum</i> and <i>S. aethiopicum</i> , two close relatives of the common eggplant (<i>Solanum melongena</i>) with interest for breeding. <i>BMC Genomics</i> , 2016, 17, 300.	1.2	63
57	Fruit composition diversity in land races and modern pepino (<i>Solanum muricatum</i>) varieties and wild related species. <i>Food Chemistry</i> , 2016, 203, 49-58.	4.2	20
58	Phenological growth stages of tree tomato (<i>Solanum betaceum</i> Cav.), an emerging fruit crop, according to the basic and extended BBCH scales. <i>Scientia Horticulturae</i> , 2016, 199, 216-223.	1.7	27
59	Diversity in composition of scarlet (<i>S. aethiopicum</i>) and gboma (<i>S. macrocarpon</i>) eggplants and of interspecific hybrids between <i>S. aethiopicum</i> and common eggplant (<i>S. melongena</i>). <i>Journal of Food Composition and Analysis</i> , 2016, 45, 130-140.	1.9	23
60	Interspecific Hybridization between Eggplant and Wild Relatives from Different Gene pools. <i>Journal of the American Society for Horticultural Science</i> , 2016, 141, 34-44.	0.5	89
61	DEVELOPMENT OF BREEDING PROGRAMMES IN EGGPLANT WITH DIFFERENT OBJECTIVES AND APPROACHES: THREE EXAMPLES OF USE OF PRIMARY GENEPOOL DIVERSITY. <i>Acta Horticulturae</i> , 2015, , 711-718.	0.1	2
62	Drought Tolerance Among Accessions of Eggplant and Related Species. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2015, 72, .	0.2	2
63	Breeding Vegetables with Increased Content in Bioactive Phenolic Acids. <i>Molecules</i> , 2015, 20, 18464-18481.	1.7	88
64	Phenological growth stages of pepino (<i>Solanum muricatum</i>) according to the BBCH scale. <i>Scientia Horticulturae</i> , 2015, 183, 1-7.	1.7	25
65	Improving seed germination of the eggplant rootstock <i>Solanum torvum</i> by testing multiple factors using an orthogonal array design. <i>Scientia Horticulturae</i> , 2015, 193, 174-181.	1.7	65
66	Characterization of composition traits related to organoleptic and functional quality for the differentiation, selection and enhancement of local varieties of tomato from different cultivar groups. <i>Food Chemistry</i> , 2015, 187, 517-524.	4.2	76
67	Morphological and molecular characterization of local varieties, modern cultivars and wild relatives of an emerging vegetable crop, the pepino (<i>Solanum muricatum</i>), provides insight into its diversity, relationships and breeding history. <i>Euphytica</i> , 2015, 206, 301-318.	0.6	14
68	Diversity for chemical composition in a collection of different varietal types of tree tomato (<i>Solanum betaceum</i> Cav.), an Andean exotic fruit. <i>Food Chemistry</i> , 2015, 169, 327-335.	4.2	94
69	Molecular Characterization of Scarlet and Gboma Eggplants Based on Single Nucleotide Polymorphisms. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2015, 72, .	0.2	1
70	Increasing the Genetic Base of Modern Cultivars of Eggplant of the Semi-Long Black Type. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2015, 72, .	0.2	0
71	Conventional and phenomics characterization provides insight into the diversity and relationships of hypervariable scarlet (<i>Solanum aethiopicum</i> L.) and gboma (<i>S. macrocarpon</i> L.) eggplant complexes. <i>Frontiers in Plant Science</i> , 2014, 5, 318.	1.7	60
72	Reducing Capacity, Chlorogenic Acid Content and Biological Activity in a Collection of Scarlet (<i>Solanum aethiopicum</i>) and Gboma (<i>S. macrocarpon</i>) Eggplants. <i>International Journal of Molecular Sciences</i> , 2014, 15, 17221-17241.	1.8	68

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73	Genetic Diversity and Relationships in Local Varieties of Eggplant from Different Cultivar Groups as Assessed by Genomic SSR Markers. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2014, 42, .	0.5	5
74	Breeding Vegetables with Improved Bioactive Properties. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2014, 71, .	0.2	0
75	Location of chlorogenic acid biosynthesis pathway and polyphenol oxidase genes in a new interspecific anchored linkage map of eggplant. <i>BMC Plant Biology</i> , 2014, 14, 350.	1.6	93
76	Swedish coffee (<i>Astragalus boeticus</i> L.), a neglected coffee substitute with a past and a potential future. <i>Genetic Resources and Crop Evolution</i> , 2014, 61, 287-297.	0.8	8
77	Enhancing conservation and use of local vegetable landraces: the Almagro eggplant (<i>Solanum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.8	34
78	Morphological Diversity in Gboma Eggplant (<i>Solanum macrocarpon</i>) as Assessed with Conventional and Tomato Analyzer Descriptors. <i>Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture</i> , 2014, 71, .	0.2	0
79	Diversity and Relationships in Key Traits for Functional and Apparent Quality in a Collection of Eggplant: Fruit Phenolics Content, Antioxidant Activity, Polyphenol Oxidase Activity, and Browning. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 8871-8879.	2.4	77
80	Genetic diversity in morphological characters and phenolic acids content resulting from an interspecific cross between eggplant, <i>Solanum melongena</i> , and its wild ancestor (<i>S. Æincanum</i>). <i>Annals of Applied Biology</i> , 2013, 162, 242-257.	1.3	95
81	Phenomics of fruit shape in eggplant (<i>Solanum melongena</i> L.) using Tomato Analyzer software. <i>Scientia Horticulturae</i> , 2013, 164, 625-632.	1.7	36
82	Breeding for Chlorogenic Acid Content in Eggplant: Interest and Prospects. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2013, 41, 26.	0.5	92
83	CHARACTERISTICS AND SELECTION OF THE 'ALMAGRO' HEIRLOOM EGGPLANT AND POTENTIAL FOR FURTHER DEVELOPMENT. <i>Acta Horticulturae</i> , 2012, , 385-392.	0.1	0
84	Diversity and Relationships of Eggplants from Three Geographically Distant Secondary Centers of Diversity. <i>PLoS ONE</i> , 2012, 7, e41748.	1.1	59
85	Characterization of interspecific hybrids and first backcross generations from crosses between two cultivated eggplants (<i>Solanum melongena</i> and <i>S. aethiopicum</i> Kumba group) and implications for eggplant breeding. <i>Euphytica</i> , 2012, 186, 517-538.	0.6	63
86	Diversity, relationships, and genetic fingerprinting of the Listada de Gand�a eggplant landrace using genomic SSRs and EST-SSRs. <i>Scientia Horticulturae</i> , 2011, 129, 238-246.	1.7	37