Pietro Gramazio

List of Publications by Year
in descending order

70	2,193	186265	254184
papers	citations	28 h-index	43 g-index

73	73	73	1728
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Introgressiomics: a new approach for using crop wild relatives in breeding for adaptation to climate change. Euphytica, 2017, 213, 1.	1.2	154
2	Genetic diversity in morphological characters and phenolic acids content resulting from an interspecific cross between eggplant, Solanum melongena, and its wild ancestor (S.Âincanum). Annals of Applied Biology, 2013, 162, 242-257.	2.5	95
3	Location of chlorogenic acid biosynthesis pathway and polyphenol oxidase genes in a new interspecific anchored linkage map of eggplant. BMC Plant Biology, 2014, 14, 350.	3.6	93
4	Breeding for Chlorogenic Acid Content in Eggplant: Interest and Prospects. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2013, 41, 26.	1.1	92
5	Interspecific Hybridization between Eggplant and Wild Relatives from Different Genepools. Journal of the American Society for Horticultural Science, 2016, 141, 34-44.	1.0	89
6	Breeding Vegetables with Increased Content in Bioactive Phenolic Acids. Molecules, 2015, 20, 18464-18481.	3.8	88
7	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. Journal of Agricultural and Food Chemistry, 2013, 61, 8871-8879.	5.2	77
8	Single Primer Enrichment Technology (SPET) for High-Throughput Genotyping in Tomato and Eggplant Germplasm. Frontiers in Plant Science, 2019, 10, 1005.	3.6	71
9	Reducing Capacity, Chlorogenic Acid Content and Biological Activity in a Collection of Scarlet (Solanum aethiopicum) and Gboma (S. macrocarpon) Eggplants. International Journal of Molecular Sciences, 2014, 15, 17221-17241.	4.1	68
10	Development of backcross generations and new interspecific hybrid combinations for introgression breeding in eggplant (Solanum melongena). Scientia Horticulturae, 2016, 213, 199-207.	3.6	66
11	Improving seed germination of the eggplant rootstock Solanum torvum by testing multiple factors using an orthogonal array design. Scientia Horticulturae, 2015, 193, 174-181.	3.6	65
12	Phenotyping of Eggplant Wild Relatives and Interspecific Hybrids with Conventional and Phenomics Descriptors Provides Insight for Their Potential Utilization in Breeding. Frontiers in Plant Science, 2016, 7, 677.	3.6	65
13	Transcriptome analysis and molecular marker discovery in Solanum incanum and S. aethiopicum, two close relatives of the common eggplant (Solanum melongena) with interest for breeding. BMC Genomics, 2016, 17, 300.	2.8	63
14	Coding SNPs analysis highlights genetic relationships and evolution pattern in eggplant complexes. PLoS ONE, 2017, 12, e0180774.	2.5	61
15	Conventional and phenomics characterization provides insight into the diversity and relationships of hypervariable scarlet (Solanum aethiopicum L.) and gboma (S. macrocarpon L.) eggplant complexes. Frontiers in Plant Science, 2014, 5, 318.	3.6	60
16	Phenolics content, fruit flesh colour and browning in cultivated eggplant, wild relatives and interspecific hybrids and implications for fruit quality breeding. Food Research International, 2017, 102, 392-401.	6.2	60
17	Diversity and Relationships of Eggplants from Three Geographically Distant Secondary Centers of Diversity. PLoS ONE, 2012, 7, e41748.	2.5	59
18	Development and Genetic Characterization of Advanced Backcross Materials and An Introgression Line Population of Solanum incanum in a S. melongena Background. Frontiers in Plant Science, 2017, 8, 1477.	3.6	57

#	Article	IF	Citations
19	Genetic structure of Cannabis sativa var. indica cultivars based on genomic SSR (gSSR) markers: Implications for breeding and germplasm management. Industrial Crops and Products, 2017, 104, 171-178.	5.2	55
20	Whole-Genome Resequencing of Seven Eggplant (Solanum melongena) and One Wild Relative (S.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 in Plant Science, 2019, 10, 1220.	3.6	46
21	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. Euphytica, 2017, 213, 1.	1.2	44
22	Diallel genetic analysis for multiple traits in eggplant and assessment of genetic distances for predicting hybrids performance. PLoS ONE, 2018, 13, e0199943.	2.5	43
23	Solanum insanum L. (subgenus Leptostemonum Bitter, Solanaceae), the neglected wild progenitor of eggplant (S. melongena L.): a review of taxonomy, characteristics and uses aimed at its enhancement for improved eggplant breeding. Genetic Resources and Crop Evolution, 2017, 64, 1707-1722.	1.6	39
24	Genomic Tools for the Enhancement of Vegetable Crops: A Case in Eggplant. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2017, 46, 1-13.	1.1	37
25	Phenomics of fruit shape in eggplant (Solanum melongena L.) using Tomato Analyzer software. Scientia Horticulturae, 2013, 164, 625-632.	3.6	36
26	A highly efficient organogenesis protocol based on zeatin riboside for in vitro regeneration of eggplant. BMC Plant Biology, 2020, 20, 6.	3.6	35
27	Enhancing conservation and use of local vegetable landraces: the Almagro eggplant (Solanum) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.6	34
28	Challenges and Prospects of New Plant Breeding Techniques for GABA Improvement in Crops: Tomato as an Example. Frontiers in Plant Science, 2020, 11, 577980.	3.6	34
29	First successful backcrossing towards eggplant (Solanum melongena) of a New World species, the silverleaf nightshade (S. elaeagnifolium), and characterization of interspecific hybrids and backcrosses. Scientia Horticulturae, 2019, 246, 563-573.	3.6	32
30	SILEX: a fast and inexpensive high-quality DNA extraction method suitable for multiple sequencing platforms and recalcitrant plant species. Plant Methods, 2020, 16, 110.	4.3	31
31	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. Biology, 2020, 9, 229.	2.8	31
32	The first de novo transcriptome of pepino (Solanum muricatum): assembly, comprehensive analysis and comparison with the closely related species S. caripense, potato and tomato. BMC Genomics, 2016, 17, 321.	2.8	29
33	Performance of a Set of Eggplant (Solanum melongena) Lines With Introgressions From Its Wild Relative S. incanum Under Open Field and Screenhouse Conditions and Detection of QTLs. Agronomy, 2020, 10, 467.	3.0	27
34	Phenological growth stages of pepino (Solanum muricatum) according to the BBCH scale. Scientia Horticulturae, 2015, 183, 1-7.	3.6	25
35	Variable Levels of Tolerance to Water Stress (Drought) and Associated Biochemical Markers in Tunisian Barley Landraces. Molecules, 2018, 23, 613.	3.8	25
36	Fruit composition diversity in land races and modern pepino (Solanum muricatum) varieties and wild related species. Food Chemistry, 2016, 203, 49-58.	8.2	20

#	Article	IF	Citations
37	A novel and rapid method for Agrobacterium-mediated production of stably transformed Cannabis sativa L. plants. Industrial Crops and Products, 2021, 170, 113691.	5.2	20
38	Highly informative SSR genotyping reveals large genetic diversity and limited differentiation in European larch (Larixdecidua) populations from Romania. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2018, 42, 165-175.	2.1	16
39	Newly Developed MAGIC Population Allows Identification of Strong Associations and Candidate Genes for Anthocyanin Pigmentation in Eggplant. Frontiers in Plant Science, 2022, 13, 847789.	3.6	15
40	Morphological and molecular characterization of local varieties, modern cultivars and wild relatives of an emerging vegetable crop, the pepino (Solanum muricatum), provides insight into its diversity, relationships and breeding history. Euphytica, 2015, 206, 301-318.	1.2	14
41	Fruit shape morphometric analysis and QTL detection in a set of eggplant introgression lines. Scientia Horticulturae, 2021, 282, 110006.	3.6	14
42	Fostering Conservation via an Integrated Use of Conventional Approaches and High-Throughput SPET Genotyping: A Case Study Using the Endangered Canarian Endemics Solanum lidii and S. vespertilio (Solanaceae). Frontiers in Plant Science, 2020, 11, 757.	3.6	13
43	Fruit Composition of Eggplant Lines with Introgressions from the Wild Relative S. incanum: Interest for Breeding and Safety for Consumption. Agronomy, 2022, 12, 266.	3.0	10
44	Genetic insights into the modification of the pre-fertilization mechanisms during plant domestication. Journal of Experimental Botany, 2019, 70, 3007-3019.	4.8	9
45	Multi-Level Characterization of Eggplant Accessions from Greek Islands and the Mainland Contributes to the Enhancement and Conservation of this Germplasm and Reveals a Large Diversity and Signatures of Differentiation between both Origins. Agronomy, 2019, 9, 887.	3.0	9
46	Morphoagronomic characterization and whole-genome resequencing of eight highly diverse wild and weedy S. pimpinellifolium and S. lycopersicum var. cerasiforme accessions used for the first interspecific tomato MAGIC population. Horticulture Research, 2020, 7, 174.	6.3	9
47	Swedish coffee (Astragalus boeticus L.), a neglected coffee substitute with a past and a potential future. Genetic Resources and Crop Evolution, 2014, 61, 287-297.	1.6	8
48	Increase in Phloem Area in the Tomato hawaiian skirt Mutant Is Associated with Enhanced Sugar Transport. Genes, 2021, 12, 932.	2.4	6
49	Biological Traits and Genetic Relationships Amongst Cultivars of Three Species of Tagetes (Asteraceae). Plants, 2022, 11, 760.	3.5	6
50	Genetic Diversity and Relationships in Local Varieties of Eggplant from Different Cultivar Groups as Assessed by Genomic SSR Markers. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2014, 42, .	1.1	5
51	Moderate and severe water stress effects on morphological and biochemical traits in a set of pepino (Solanum muricatum) cultivars. Scientia Horticulturae, 2021, 284, 110143.	3.6	5
52	Editorial: Introgression Breeding in Cultivated Plants. Frontiers in Plant Science, 2021, 12, 764533.	3.6	5
53	De novo Transcriptome Assembly and Comprehensive Annotation of Two Tree Tomato Cultivars (Solanum betaceum Cav.) with Different Fruit Color. Horticulturae, 2021, 7, 431.	2.8	5
54	Ploidy Modification for Plant Breeding Using In Vitro Organogenesis: A Case in Eggplant. Methods in Molecular Biology, 2021, 2264, 197-206.	0.9	5

#	Article	IF	Citations
55	Detection, molecular characterisation and aspects involving the transmission of tomato chlorotic dwarf viroid in eggplant. Annals of Applied Biology, 2019, 175, 172-183.	2.5	3
56	DEVELOPMENT OF BREEDING PROGRAMMES IN EGGPLANT WITH DIFFERENT OBJECTIVES AND APPROACHES: THREE EXAMPLES OF USE OF PRIMARY GENEPOOL DIVERSITY. Acta Horticulturae, 2015, , 711-718.	0.2	2
57	Genomic Resources in the Eggplant Wild Genepool. Compendium of Plant Genomes, 2021, , 189-200.	0.5	2
58	Resequencing. Compendium of Plant Genomes, 2019, , 81-89.	0.5	1
59	Molecular Characterization of Scarlet and Gboma Eggplants Based on Single Nucleotide Polymorphisms. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2015, 72, .	0.1	1
60	Breeding Vegetables with Improved Bioactive Properties. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2014, 71, .	0.1	0
61	Biotechnological tools for introgression breeding for adaptation of crops to climate change. Journal of Biotechnology, 2019, 305, S19.	3.8	0
62	Screening of pepino (Solanum muricatum) and wild relatives against four major tomato diseases threatening its expansion in the Mediterranean region. Annals of Applied Biology, 2021, 179, 288.	2.5	0
63	Morphological Diversity in Gboma Eggplant (Solanum macrocarpon) as Assessed with Conventional and Tomato Analyzer Descriptors. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2014, 71, .	0.1	0
64	Increasing the Genetic Base of Modern Cultivars of Eggplant of the Semi-Long Black Type. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca: Horticulture, 2015, 72, .	0.1	0
65	INNOVATIVE PRACTICAL SESSION TO ENHANCE SPECIFIC STUDENT COMPETENCE IN APPLYING IN VITRO EMBRYO RESCUE IN PLANT BREEDING. , 2018, , .		0
66	ENHANCING SPECIFIC COMPETENCES IN MICROSCOPIC TECHNIQUES IN PLANT SCIENCES MASTER STUDENTS. , 2018, , .		0
67	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
68	INTRODUCTION OF A PRACTICAL LESSON FOR THE EVALUATION OF BIOACTIVE QUALITY IN PLANT MATERIALS ADDRESSED TO STUDENTS IN PLANT BREEDING. , 2019, , .		0
69	INTRODUCTION AND DEVELOPMENT OF A PRACTICAL LESSON FOR IMPROVING THE COMPETENCE OF UNDERGRADUATE STUDENTS IN MASSIVE GENOTYPING DATA ANALYSIS: THE USEFULNESS OF TASSEL SOFTWARE. INTED Proceedings, 2022, , .	0.0	0
70	INTRODUCTION TO ADVANCED SEQUENCING TECHNOLOGIES FOR UNDERGRADUATE STUDENTS IN GENETICS: MINION REAL-TIME SEQUENCING. INTED Proceedings, 2022, , .	0.0	0