

Ezio Portis

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,806
citations

87723

38
h-index

143772

57
g-index

105
all docs

105
docs citations

105
times ranked

3147
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of SNP and SSR markers in eggplant using RAD tag sequencing. <i>BMC Genomics</i> , 2011, 12, 304.	1.2	193
2	A chromosome-anchored eggplant genome sequence reveals key events in Solanaceae evolution. <i>Scientific Reports</i> , 2019, 9, 11769.	1.6	179
3	A RAD Tag Derived Marker Based Eggplant Linkage Map and the Location of QTLs Determining Anthocyanin Pigmentation. <i>PLoS ONE</i> , 2012, 7, e43740.	1.1	119
4	Analysis of DNA methylation during germination of pepper (<i>Capsicum annuum</i> L.) seeds using methylation-sensitive amplification polymorphism (MSAP). <i>Plant Science</i> , 2004, 166, 169-178.	1.7	109
5	The genome sequence of the outbreeding globe artichoke constructed de novo incorporating a phase-aware low-pass sequencing strategy of F1 progeny. <i>Scientific Reports</i> , 2016, 6, 19427.	1.6	106
6	The Population Structure and Diversity of Eggplant from Asia and the Mediterranean Basin. <i>PLoS ONE</i> , 2013, 8, e73702.	1.1	99
7	Gene-based microsatellite development for mapping and phylogeny studies in eggplant. <i>BMC Genomics</i> , 2008, 9, 357.	1.2	92
8	The isolation and mapping of a novel hydroxycinnamoyltransferase in the globe artichoke chlorogenic acid pathway. <i>BMC Plant Biology</i> , 2009, 9, 30.	1.6	91
9	Amplified fragment length polymorphism for genetic diversity assessment in globe artichoke. <i>Theoretical and Applied Genetics</i> , 2004, 108, 1534-1544.	1.8	82
10	A first linkage map of globe artichoke (<i>Cynara cardunculus</i> var. <i>scolymus</i> L.) based on AFLP, S-SAP, M-AFLP and microsatellite markers. <i>Theoretical and Applied Genetics</i> , 2006, 112, 1532-1542.	1.8	82
11	RAD tag sequencing as a source of SNP markers in <i>Cynara cardunculus</i> L. <i>BMC Genomics</i> , 2012, 13, 3.	1.2	82
12	Mapping Quantitative Trait Loci Affecting Biochemical and Morphological Fruit Properties in Eggplant (<i>Solanum melongena</i> L.). <i>Frontiers in Plant Science</i> , 2016, 7, 256.	1.7	82
13	Isolation and functional characterization of a cDNA coding a hydroxycinnamoyltransferase involved in phenylpropanoid biosynthesis in <i>Cynara cardunculus</i> L. <i>BMC Plant Biology</i> , 2007, 7, 14.	1.6	78
14	QTL Mapping in Eggplant Reveals Clusters of Yield-Related Loci and Orthology with the Tomato Genome. <i>PLoS ONE</i> , 2014, 9, e89499.	1.1	76
15	The design of <i>Capsicum</i> spp. SSR assays via analysis of in silico DNA sequence, and their potential utility for genetic mapping. <i>Plant Science</i> , 2007, 172, 640-648.	1.7	71
16	Single Primer Enrichment Technology (SPET) for High-Throughput Genotyping in Tomato and Eggplant Germplasm. <i>Frontiers in Plant Science</i> , 2019, 10, 1005.	1.7	71
17	Population structure and genetic variation in autochthonous globe artichoke germplasm from Sicily Island. <i>Plant Science</i> , 2005, 168, 1591-1598.	1.7	70
18	Simultaneous quantification of caffeoyl esters and flavonoids in wild and cultivated cardoon leaves. <i>Food Chemistry</i> , 2007, 105, 1695-1701.	4.2	65

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19	Linkage disequilibrium and genome-wide association analysis for anthocyanin pigmentation and fruit color in eggplant. <i>BMC Genomics</i> , 2014, 15, 896.	1.2	64
20	Genetic diversity assessment in cultivated cardoon by AFLP (amplified fragment length polymorphism) and microsatellite markers. <i>Plant Breeding</i> , 2005, 124, 299-304.	1.0	63
21	Genetic diversity of globe artichoke landraces from Sicilian small-holdings: implications for evolution and domestication of the species. <i>Conservation Genetics</i> , 2009, 10, 431-440.	0.8	63
22	Coding SNPs analysis highlights genetic relationships and evolution pattern in eggplant complexes. <i>PLoS ONE</i> , 2017, 12, e0180774.	1.1	61
23	RAPD variation within and among populations of globe artichoke cultivar 'Spinoso sardo'. <i>Plant Breeding</i> , 2001, 120, 243-246.	1.0	60
24	Association Mapping for Fruit, Plant and Leaf Morphology Traits in Eggplant. <i>PLoS ONE</i> , 2015, 10, e0135200.	1.1	57
25	Development and characterization of microsatellite markers in <i>Cynara cardunculus</i> L.. <i>Genome</i> , 2005, 48, 217-225.	0.9	56
26	Improved genome assembly and pan-genome provide key insights into eggplant domestication and breeding. <i>Plant Journal</i> , 2021, 107, 579-596.	2.8	56
27	Identification and mapping of genes related to caffeoylquinic acid synthesis in <i>Cynara cardunculus</i> L.. <i>Plant Science</i> , 2010, 179, 338-347.	1.7	54
28	Segregation distortion and linkage analysis in eggplant (<i>Solanum melongena</i> L.). <i>Genome</i> , 2010, 53, 805-815.	0.9	54
29	High density SNP mapping and QTL analysis for time of leaf budburst in <i>Corylus avellana</i> L.. <i>PLoS ONE</i> , 2018, 13, e0195408.	1.1	52
30	Ontology and diversity of transcript-associated microsatellites mined from a globe artichoke EST database. <i>BMC Genomics</i> , 2009, 10, 454.	1.2	50
31	Global range expansion history of pepper (<i>Capsicum</i> spp.) revealed by over 10,000 genebank accessions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	48
32	Potentiality of Methylation-sensitive Amplification Polymorphism (MSAP) in Identifying Genes Involved in Tomato Response to Tomato Yellow Leaf Curl Sardinia Virus. <i>Plant Molecular Biology Reporter</i> , 2008, 26, 156-173.	1.0	46
33	Construction of a reference molecular linkage map of globe artichoke (<i>Cynara cardunculus</i> var.) Tj ETQq1 1 0.784314 rgBT / Overlock 10 1.8 46		
34	Isolation and mapping of a C3H gene (CYP98A49) from globe artichoke, and its expression upon UV-C stress. <i>Plant Cell Reports</i> , 2009, 28, 963-974.	2.8	46
35	Genetic structure of island populations of wild cardoon [<i>Cynara cardunculus</i> L. var. <i>sylvestris</i> (Lamk) Fiori] detected by AFLPs and SSRs. <i>Plant Science</i> , 2005, 169, 199-210.	1.7	45
36	Genetic mapping and characterization of the globe artichoke (+)-germacrene A synthase gene, encoding the first dedicated enzyme for biosynthesis of the bitter sesquiterpene lactone cynaropicrin. <i>Plant Science</i> , 2012, 190, 1-8.	1.7	45

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37	Title is missing!. <i>Genetic Resources and Crop Evolution</i> , 2003, 50, 723-735.	0.8	44
38	Use of AFLP for differentiation of <i>Metschnikowia pulcherrima</i> strains for postharvest disease biological control. <i>Microbiological Research</i> , 2008, 163, 523-530.	2.5	40
39	The ITS region as a taxonomic discriminator between <i>Fusarium verticillioides</i> and <i>Fusarium proliferatum</i> . <i>Mycological Research</i> , 2009, 113, 1137-1145.	2.5	40
40	Comprehensive Characterization of Simple Sequence Repeats in Eggplant (<i>Solanum melongena</i> L.) Genome and Construction of a Web Resource. <i>Frontiers in Plant Science</i> , 2018, 9, 401.	1.7	40
41	Genetic mapping and identification of QTL for earliness in the globe artichoke/cultivated cardoon complex. <i>BMC Research Notes</i> , 2012, 5, 252.	0.6	39
42	Genetic mapping and annotation of genomic microsatellites isolated from globe artichoke. <i>Theoretical and Applied Genetics</i> , 2009, 118, 1573-1587.	1.8	38
43	M-AFLP-based protocol for microsatellite loci isolation in <i>Cynara cardunculus</i> L. (Asteraceae). <i>Molecular Ecology Notes</i> , 2005, 5, 272-274.	1.7	36
44	Production and fingerprinting of virus-free clones in a reflowering globe artichoke. <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 100, 329-337.	1.2	36
45	Isolation of microsatellite loci in artichoke (<i>Cynara cardunculus</i> L. var. <i>scolymus</i>). <i>Molecular Ecology Notes</i> , 2003, 3, 37-39.	1.7	35
46	Genetic mapping and QTL analysis in European hazelnut (<i>Corylus avellana</i> L.). <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	35
47	The Genetic Basis of Tomato Aroma. <i>Genes</i> , 2021, 12, 226.	1.0	35
48	Large-scale transcriptome characterization and mass discovery of SNPs in globe artichoke and its related taxa. <i>Plant Biotechnology Journal</i> , 2012, 10, 956-969.	4.1	33
49	Morphology and SSR fingerprinting of newly developed <i>Cynara cardunculus</i> genotypes exploitable as ornamentals. <i>Euphytica</i> , 2012, 184, 311-321.	0.6	33
50	Leaf polyphenol profile and SSR-based fingerprinting of new segregant <i>Cynara cardunculus</i> genotypes. <i>Frontiers in Plant Science</i> , 2014, 5, 800.	1.7	32
51	A Genome-Wide Survey of the Microsatellite Content of the Globe Artichoke Genome and the Development of a Web-Based Database. <i>PLoS ONE</i> , 2016, 11, e0162841.	1.1	31
52	Genome reconstruction in <i>Cynara cardunculus</i> taxa gains access to chromosome-scale DNA variation. <i>Scientific Reports</i> , 2017, 7, 5617.	1.6	30
53	New Insights on Eggplant/Tomato/Pepper Synteny and Identification of Eggplant and Pepper Orthologous QTL. <i>Frontiers in Plant Science</i> , 2016, 7, 1031.	1.7	28
54	Multivariate Analysis of Genetic Relationships between Italian Pepper Landraces. <i>Crop Science</i> , 2006, 46, 2517-2525.	0.8	27

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55	QTL analysis reveals new eggplant loci involved in resistance to fungal wilts. <i>Euphytica</i> , 2018, 214, 1.	0.6	24
56	Effect of farmers' seed selection on genetic variation of a landrace population of pepper (<i>Capsicum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	23
57	A New Intra-Specific and High-Resolution Genetic Map of Eggplant Based on a RIL Population, and Location of QTLs Related to Plant Anthocyanin Pigmentation and Seed Vigour. <i>Genes</i> , 2020, 11, 745.	1.0	23
58	Mapping yield-associated QTL in globe artichoke. <i>Molecular Breeding</i> , 2014, 34, 615-630.	1.0	21
59	Globe Artichoke and Cardoon. , 2008, , 49-74.		19
60	dbEST-derived microsatellite markers in celery (<i>Apium graveolens</i> L.Âvar. dulce). <i>Molecular Ecology Notes</i> , 2006, 6, 1080-1082.	1.7	18
61	AFLP-based genetic relationships in the Mediterranean myrtle (<i>Myrtus communis</i> L.). <i>Scientia Horticulturae</i> , 2007, 113, 370-375.	1.7	18
62	Whole genome resequencing of four Italian sweet pepper landraces provides insights on sequence variation in genes of agronomic value. <i>Scientific Reports</i> , 2020, 10, 9189.	1.6	18
63	Grafting vigour is associated with DNA de-methylation in eggplant. <i>Horticulture Research</i> , 2021, 8, 241.	2.9	18
64	Genotypic and bio-agronomical characterization of an early Sicilian landrace of globe artichoke. <i>Euphytica</i> , 2012, 186, 357-366.	0.6	17
65	Production and characterization of intergeneric diploid cybrids derived from symmetric fusion between <i>Microcitrus papuana</i> Swingle and sour orange (<i>Citrus aurantium</i>). <i>Euphytica</i> , 2004, 136, 115-123.	0.6	16
66	Specific regions in the <i>Sod1</i> locus of the ericoid mycorrhizal fungus <i>Oidiodendron maius</i> from metal-enriched soils show a different sequence polymorphism. <i>FEMS Microbiology Ecology</i> , 2011, 75, 321-331.	1.3	15
67	Whole-genome assembly of <i>Corylus avellana</i> cv 'Tonda Gentile delle Langhe' using linked-reads (10X Genomics). <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	0.8	15
68	Retrotransposon-based S-SAP as a platform for the analysis of genetic variation and linkage in globe artichoke. <i>Genome</i> , 2006, 49, 1149-1159.	0.9	14
69	An AFLP-based assessment of the genetic diversity within <i>Hibiscus rosa-sinensis</i> and its place within the <i>Hibiscus</i> genus complex. <i>Scientia Horticulturae</i> , 2010, 123, 372-378.	1.7	14
70	Methylation content sensitive enzyme ddRAD (MCSeEd): a reference-free, whole genome profiling system to address cytosine/adenine methylation changes. <i>Scientific Reports</i> , 2019, 9, 14864.	1.6	14
71	New genetic maps for globe artichoke and wild cardoon and their alignment with an SSR-based consensus map. <i>Molecular Breeding</i> , 2013, 32, 177-187.	1.0	13
72	The genome-wide identification and transcriptional levels of DNA methyltransferases and demethylases in globe artichoke. <i>PLoS ONE</i> , 2017, 12, e0181669.	1.1	13

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73	Genome-Wide Survey and Development of the First Microsatellite Markers Database (AnCorDB) in <i>Anemone coronaria</i> L.. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3126.	1.8	13
74	“Mind the Gap” Hi-C Technology Boosts Contiguity of the Globe Artichoke Genome in Low-Recombination Regions. <i>G3: Genes, Genomes, Genetics</i> , 2020, 10, 3557-3564.	0.8	12
75	Development of High-Density Genetic Linkage Maps and Identification of Loci for Chestnut Gall Wasp Resistance in <i>Castanea</i> spp.. <i>Plants</i> , 2020, 9, 1048.	1.6	12
76	Amplified fragment length polymorphism for variety identification and genetic diversity assessment in oleander (<i>Nerium oleander</i> L.). <i>Euphytica</i> , 2004, 136, 125-137.	0.6	11
77	The inheritance of bract pigmentation and fleshy thorns on the globe artichoke capitulum. <i>Euphytica</i> , 2015, 206, 523-531.	0.6	11
78	<i>Cynara cardunculus</i> as a Multiuse Crop. <i>Compendium of Plant Genomes</i> , 2019, , 65-98.	0.3	11
79	Isolation and characterization of microsatellite markers from <i>Hibiscus rosa-sinensis</i> (Malvaceae) and cross-species amplifications. <i>Conservation Genetics</i> , 2009, 10, 771-774.	0.8	10
80	Genetic structure and preservation strategies of autochthonous vegetable crop landraces of northwestern Italy. <i>Annals of Applied Biology</i> , 2012, 160, 76-85.	1.3	8
81	Clonal selection in a globe artichoke landrace: characterization of superior germplasm to improve cultivation in Mediterranean environments. <i>Journal of Agricultural Science</i> , 2015, 153, 102-113.	0.6	8
82	An integrated model to accelerate the development of seed-propagated varieties of globe artichoke. <i>Crop Breeding and Applied Biotechnology</i> , 2018, 18, 72-80.	0.1	7
83	Analysis of DNA Methylation Patterns Associated with In Vitro Propagated Globe Artichoke Plants Using an EpiRADseq-Based Approach. <i>Genes</i> , 2019, 10, 263.	1.0	7
84	Mapping the genomic regions encoding biomass-related traits in <i>Cynara cardunculus</i> L. <i>Molecular Breeding</i> , 2018, 38, 1.	1.0	6
85	Mapping the Genetic Regions Responsible for Key Phenology-Related Traits in the European Hazelnut. <i>Frontiers in Plant Science</i> , 2021, 12, 749394.	1.7	6
86	Selection in <i>Artemisia umbelliformis</i> Lam. Piedmont ecotypes to improve cultivation in alpine environment. <i>Genetic Resources and Crop Evolution</i> , 2015, 62, 567-577.	0.8	5
87	Genetically Modified Foods. , 2016, , 196-203.		4
88	Development of a genetic linkage map for molecular breeding of chestnut. <i>Acta Horticulturae</i> , 2018, , 23-28.	0.1	3
89	The Population Structure of a Globe Artichoke Worldwide Collection, as Revealed by Molecular and Phenotypic Analyses. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	2
90	Molecular Mapping, QTL Identification, and GWA Analysis. <i>Compendium of Plant Genomes</i> , 2019, , 41-54.	0.3	1

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91	Construction of a high-density genetic linkage map and QTL analysis for hazelnut breeding. Acta Horticulturae, 2018, , 25-30.	0.1	0
92	Resequencing of <i>Cynara cardunculus</i> L. genotypes and detection of chromosome-scale single nucleotide polymorphisms (SNPs)/indels. Acta Horticulturae, 2018, , 17-26.	0.1	0
93	A genome-wide survey of the microsatellite content of the eggplant genome and development of a web-based database. Acta Horticulturae, 2018, , 47-50.	0.1	0
94	Genetics and Breeding. Compendium of Plant Genomes, 2019, , 115-128.	0.3	0
95	Insights into the Population Structure and Association Mapping in Globe Artichoke. Compendium of Plant Genomes, 2019, , 129-143.	0.3	0
96	Genome Resequencing. Compendium of Plant Genomes, 2019, , 205-218.	0.3	0
97	Genome Database (www.artichokegenome.unito.it). Compendium of Plant Genomes, 2019, , 219-229.	0.3	0
98	Linkage maps development and biotechnological tools for hazelnut and chestnut breeding. Acta Horticulturae, 2020, , 17-22.	0.1	0