

Gennaro Fazio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/923220/publications.pdf>

Version: 2024-02-01

68
papers

2,896
citations

136740

32
h-index

182168

51
g-index

71
all docs

71
docs citations

71
times ranked

2237
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome re-sequencing reveals the history of apple and supports a two-stage model for fruit enlargement. <i>Nature Communications</i> , 2017, 8, 249.	5.8	286
2	Genetic mapping and QTL analysis of horticultural traits in cucumber (<i>Cucumis sativus</i> L.) using recombinant inbred lines. <i>Theoretical and Applied Genetics</i> , 2003, 107, 864-874.	1.8	137
3	A natural mutation-led truncation in one of the two aluminum-activated malate transporter-like genes at the Ma locus is associated with low fruit acidity in apple. <i>Molecular Genetics and Genomics</i> , 2012, 287, 663-678.	1.0	124
4	Title is missing!. <i>Euphytica</i> , 2000, 115, 225-241.	0.6	102
5	Genome to Phenome Mapping in Apple Using Historical Data. <i>Plant Genome</i> , 2016, 9, plantgenome2015.11.0113.	1.6	102
6	Putative resistance gene markers associated with quantitative trait loci for fire blight resistance in <i>Malus × Robusta 5</i> ™ accessions. <i>BMC Genetics</i> , 2012, 13, 25.	2.7	88
7	Genetic diversity in <i>Malus</i> — <i>domestica</i> (<i>Rosaceae</i>) through time in response to domestication. <i>American Journal of Botany</i> , 2014, 101, 1770-1779.	0.8	87
8	Rootstock-regulated gene expression patterns associated with fire blight resistance in apple. <i>BMC Genomics</i> , 2012, 13, 9.	1.2	84
9	Interaction of Brassicaceous Seed Meal and Apple Rootstock on Recovery of <i>Pythium</i> spp. and <i>Pratylenchus penetrans</i> from Roots Grown in Replant Soils. <i>Plant Disease</i> , 2009, 93, 51-57.	0.7	80
10	Rootstock-regulated gene expression patterns in apple tree scions. <i>Tree Genetics and Genomes</i> , 2010, 6, 57-72.	0.6	79
11	Apple whole genome sequences: recent advances and new prospects. <i>Horticulture Research</i> , 2019, 6, 59.	2.9	77
12	Rootstock genotype succession influences apple replant disease and root-zone microbial community composition in an orchard soil. <i>Plant and Soil</i> , 2010, 337, 259-272.	1.8	75
13	The vulnerability of US apple (<i>Malus</i>) genetic resources. <i>Genetic Resources and Crop Evolution</i> , 2015, 62, 765-794.	0.8	74
14	Transcriptome changes specifically associated with apple (<i>Malus domestica</i>) root defense response during <i>Pythium ultimum</i> infection. <i>Physiological and Molecular Plant Pathology</i> , 2016, 94, 16-26.	1.3	70
15	ROSBREED: ENABLING MARKER-ASSISTED BREEDING IN ROSACEAE. <i>Acta Horticulturae</i> , 2010, , 389-394.	0.1	67
16	Identification of wild apple germplasm (<i>Malus</i> spp.) accessions with resistance to the postharvest decay pathogens <i>Penicillium expansum</i> and <i>Colletotrichum acutatum</i> . <i>Plant Breeding</i> , 2011, 130, 481-486.	1.0	64
17	Development and Characterization of PCR Markers in Cucumber. <i>Journal of the American Society for Horticultural Science</i> , 2002, 127, 545-557.	0.5	62
18	Field Evaluation of 64 Apple Rootstocks for Orchard Performance and Fire Blight Resistance. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 1517-1525.	0.5	58

#	ARTICLE	IF	CITATIONS
19	Elucidating the molecular responses of apple rootstock resistant to ARD pathogens: challenges and opportunities for development of genomics-assisted breeding tools. <i>Horticulture Research</i> , 2014, 1, 14043.	2.9	57
20	Dw2, a New Dwarfing Locus in Apple Rootstocks and Its Relationship to Induction of Early Bearing in Apple Scions. <i>Journal of the American Society for Horticultural Science</i> , 2014, 139, 87-98.	0.5	57
21	Horticultural performance and elemental nutrient concentrations on "Fuji"™ grafted on apple rootstocks under New York State climatic conditions. <i>Scientia Horticulturae</i> , 2018, 227, 22-37.	1.7	54
22	Hormone and growth interactions of scions and size-controlling rootstocks of young apple trees. <i>Plant Growth Regulation</i> , 2016, 78, 105-119.	1.8	53
23	Genomic consequences of apple improvement. <i>Horticulture Research</i> , 2021, 8, 9.	2.9	53
24	Apple rootstock resistance to drought. <i>Scientia Horticulturae</i> , 2016, 204, 70-78.	1.7	51
25	Transcriptional regulation of ethylene and jasmonate mediated defense response in apple (<i>Malus</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	2.9	47
26	Effects of Size-Controlling Apple Rootstocks on Growth, Abscisic Acid, and Hydraulic Conductivity of Scion of Different Vigor. <i>International Journal of Fruit Science</i> , 2015, 15, 369-381.	1.2	47
27	Genotyping-by-sequencing markers facilitate the identification of quantitative trait loci controlling resistance to <i>Penicillium expansum</i> in <i>Malus sieversii</i> . <i>PLoS ONE</i> , 2017, 12, e0172949.	1.1	47
28	Effects of apple (<i>Malus domestica</i>) rootstocks on scion performance and hormone concentration. <i>Scientia Horticulturae</i> , 2017, 225, 96-105.	1.7	46
29	Conformity and genetic relatedness estimation in crop species having a narrow genetic base: the case of cucumber (<i>Cucumis sativus</i> L.)*. <i>Plant Breeding</i> , 2005, 124, 44-53.	1.0	37
30	Analysis of <i>Malus S-RNase</i> gene diversity based on a comparative study of old and modern apple cultivars and European wild apple. <i>Molecular Breeding</i> , 2010, 26, 693-709.	1.0	37
31	Chloroplast heterogeneity and historical admixture within the genus <i>Malus</i> . <i>American Journal of Botany</i> , 2015, 102, 1198-1208.	0.8	36
32	Long-term performance of "Gala"™, "Fuji"™ and "Honeycrisp"™ apple trees grafted on Geneva® rootstocks and trained to four production systems under New York State climatic conditions. <i>Scientia Horticulturae</i> , 2019, 244, 277-293.	1.7	35
33	Identification of "Duplicate" Accessions within the USDA-ARS National Plant Germplasm System <i>Malus</i> Collection. <i>Journal of the American Society for Horticultural Science</i> , 2012, 137, 333-342.	0.5	35
34	EST contig-based SSR linkage maps for <i>Malus domestica</i> cv Royal Gala and an apple scab resistant accession of <i>M. sieversii</i> , the progenitor species of domestic apple. <i>Molecular Breeding</i> , 2012, 29, 379-397.	1.0	31
35	Inheritance of Chilling Injury: A Maternally Inherited Trait in Cucumber. <i>Journal of the American Society for Horticultural Science</i> , 2003, 128, 526-530.	0.5	31
36	Comparative Analysis and Functional Annotation of a Large Expressed Sequence Tag Collection of Apple. <i>Plant Genome</i> , 2009, 2, .	1.6	28

#	ARTICLE	IF	CITATIONS
37	Identification of RAPD markers linked to fusarium crown and root rot resistance (FrI) in tomato. <i>Euphytica</i> , 1999, 105, 205-210.	0.6	27
38	PERFORMANCE OF GENEVA® ROOTSTOCKS IN ON-FARM TRIALS IN NEW YORK STATE. <i>Acta Horticulturae</i> , 2011, , 249-255.	0.1	23
39	IMPLEMENTATION OF MOLECULAR MARKER TECHNOLOGIES IN THE APPLE ROOTSTOCK BREEDING PROGRAM IN GENEVA - CHALLENGES AND SUCCESSES. <i>Acta Horticulturae</i> , 2011, , 61-68.	0.1	22
40	Nomenclature and genetic relationships of apples and pears from Terceira Island. <i>Genetic Resources and Crop Evolution</i> , 2009, 56, 339-352.	0.8	21
41	Diversity Captured in the USDA-ARS National Plant Germplasm System Apple Core Collection. <i>Journal of the American Society for Horticultural Science</i> , 2013, 138, 375-381.	0.5	21
42	Cold Temperature Tolerance of Trunk and Root Tissues in One- or Two-year-old Apple Rootstocks. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 1460-1464.	0.5	20
43	PROGRESS IN EVALUATING MALUS SIEVERSII FOR DISEASE RESISTANCE AND HORTICULTURAL TRAITS. <i>Acta Horticulturae</i> , 2009, , 59-66.	0.1	19
44	Effect of scion and graft type on transpiration, hydraulic resistance and xylem hormone profile of apples grafted on Geneva A® 41 and M.9-NICâ,¢29 rootstocks. <i>Scientia Horticulturae</i> , 2018, 227, 213-222.	1.7	19
45	The Formation of Test Arrays and a Core Collection in Cucumber Using Phenotypic and Molecular Marker Data. <i>Journal of the American Society for Horticultural Science</i> , 2002, 127, 558-567.	0.5	19
46	I. Mineral nutrient profiles and relationships of â€Honeycrispâ€™ grown on a genetically diverse set of rootstocks under Western New York climatic conditions. <i>Scientia Horticulturae</i> , 2020, 266, 108477.	1.7	18
47	II. Horticultural performance of â€Honeycrispâ€™ grown on a genetically diverse set of rootstocks under Western New York climatic conditions. <i>Scientia Horticulturae</i> , 2019, 257, 108686.	1.7	17
48	Effect of tree type and rootstock on the long-term performance of â€Galaâ€™, â€Fujiâ€™ and â€Honeycrispâ€™ apple trees trained to Tall Spindle under New York State climatic conditions. <i>Scientia Horticulturae</i> , 2019, 246, 506-517.	1.7	16
49	Mapping in an apple (<i>Malus x domestica</i>) F1 segregating population based on physical clustering of differentially expressed genes. <i>BMC Genomics</i> , 2014, 15, 261.	1.2	12
50	CHARACTERISTICS AND PERFORMANCE OF FOUR NEW APPLE ROOTSTOCKS FROM THE CORNELL-USDA APPLE ROOTSTOCK BREEDING PROGRAM. <i>Acta Horticulturae</i> , 2014, , 651-656.	0.1	12
51	Laccase Directed Lignification Is One of the Major Processes Associated With the Defense Response Against <i>Pythium ultimum</i> Infection in Apple Roots. <i>Frontiers in Plant Science</i> , 2021, 12, 629776.	1.7	12
52	Long-term Performance of â€Deliciousâ€™ Apple Trees Grafted on Geneva® Rootstocks and Trained to Four High-density Systems under New York State Climatic Conditions. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2020, 55, 1538-1550.	0.5	12
53	Thermotherapy Followed by Shoot Tip Cryotherapy Eradicates Latent Viruses and Apple Hammerhead Viroid from In Vitro Apple Rootstocks. <i>Plants</i> , 2022, 11, 582.	1.6	12
54	Fire Blight Resistance of Budagovsky 9 Apple Rootstock. <i>Plant Disease</i> , 2008, 92, 385-391.	0.7	11

#	ARTICLE	IF	CITATIONS
55	Genotypic Variation in Apple Rootstock Low Temperature Tolerance During Spring and Fall. <i>Journal of the American Society for Horticultural Science</i> , 2018, 143, 319-332.	0.5	9
56	Geneva® Series Rootstocks for Apple Trees Under Extreme Replanting Conditions in Southern Brazil. <i>Frontiers in Plant Science</i> , 2021, 12, 712162.	1.7	9
57	Seeds capture the diversity of genetic resource collections of <i>Malus sieversii</i> maintained in an orchard. <i>Genetic Resources and Crop Evolution</i> , 2017, 64, 1513-1528.	0.8	8
58	Where are we now as we merge genomics into plant breeding and what are our limitations? Experiences from RosBREED. <i>Acta Horticulturae</i> , 2016, , 1-6.	0.1	7
59	Contrasting effects of genotype and root size on the fungal and bacterial communities associated with apple rootstocks. <i>Horticulture Research</i> , 2022, 9, .	2.9	7
60	Advances in fruit crop propagation in Brazil and worldwide-apple trees. <i>Revista Brasileira De Fruticultura</i> , 2019, 41, .	0.2	6
61	Genetics, Breeding, and Genomics of Apple Rootstocks. <i>Compendium of Plant Genomes</i> , 2021, , 105-130.	0.3	5
62	Performance of Semi-dwarf Apple Rootstocks in Two-dimensional Training Systems. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2021, 56, 234-241.	0.5	5
63	BUDAGOVSKY 9 ROOTSTOCK: UNCOVERING A NOVEL RESISTANCE TO FIRE BLIGHT. <i>Acta Horticulturae</i> , 2008, , 321-324.	0.1	3
64	(314) Geneva® 41: A New Fire Blight Resistant, Dwarf Apple Rootstock. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 1027A-1027.	0.5	3
65	Advances in the development and utilization of fruit tree rootstocks: a case study for apple. <i>Burleigh Dodds Series in Agricultural Science</i> , 2019, , 31-72.	0.1	2
66	(315) Geneva® 935: A New Fire Blight Resistant, Semidwarfing Apple rootstock. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2005, 40, 1027B-1027.	0.5	1
67	MAPPING GENES EXPRESSED PREFERENTIALLY IN APPLE ROOTSTOCKS. <i>Acta Horticulturae</i> , 2011, , 75-80.	0.1	0
68	Mapping of the <i>Frl</i> Locus Conferring Resistance to <i>Fusarium oxysporum</i> f.sp. <i>radicis-lycopersici</i> (FORL) in Tomato and Identification of RAPD Markers Linked to a New Source of Resistance. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1997, 32, 449E-450.	0.5	0