Abhaya M Dandekar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1401416/publications.pdf

Version: 2024-02-01

209 papers	10,001 citations	30070 54 h-index	43889 91 g-index
218 all docs	218 docs citations	218 times ranked	8585 citing authors

#	Article	IF	Citations
1	Advanced methods of plant disease detection. A review. Agronomy for Sustainable Development, 2015, 35, 1-25.	5.3	579
2	Structural and Transcriptional Analysis of the Self-Incompatibility Locus of Almond: Identification of a Pollen-Expressed F-Box Gene with Haplotype-Specific Polymorphism. Plant Cell, 2003, 15, 771-781.	6.6	422
3	Multiple Models for Rosaceae Genomics. Plant Physiology, 2008, 147, 985-1003.	4.8	291
4	Agrobacterium tumefaciens as an agent of disease. Trends in Plant Science, 2003, 8, 380-386.	8.8	279
5	Apple aroma: alcohol acyltransferase, a rate limiting step for ester biosynthesis, is regulated by ethylene. Plant Science, 2005, 168, 1199-1210.	3.6	239
6	The walnut (Juglans regia) genome sequence reveals diversity in genes coding for the biosynthesis of nonâ€structural polyphenols. Plant Journal, 2016, 87, 507-532.	5.7	233
7	Cloning and characterization of cDNAs encoding S-RNases from almond (Prunus dulcis): primary structural features and sequence diversity of the S-RNases in Rosaceae. Molecular Genetics and Genomics, 1998, 260, 261-268.	2.4	193
8	RNAi-mediated oncogene silencing confers resistance to crown gall tumorigenesis. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 13437-13442.	7.1	192
9	Effect of Down-Regulation of Ethylene Biosynthesis on Fruit Flavor Complex in Apple Fruit. Transgenic Research, 2004, 13, 373-384.	2.4	188
10	Novel Roles for the Polyphenol Oxidase Enzyme in Secondary Metabolism and the Regulation of Cell Death in Walnut Â Â. Plant Physiology, 2014, 164, 1191-1203.	4.8	183
11	Relationship of Ethylene Biosynthesis to Volatile Production, Related Enzymes, and Precursor Availability in Apple Peel and Flesh Tissues. Journal of Agricultural and Food Chemistry, 2005, 53, 3133-3141.	5.2	174
12	Regulation of proline accumulation in Arabidopsis thaliana (L.) Heynh during development and in response to desiccation. Plant, Cell and Environment, 1995, 18, 1280-1290.	5.7	171
13	Evaluation of tolerance to Pierce's disease andBotrytisin transgenic plants ofVitis viniferaL. expressing the pear PGIP gene. Molecular Plant Pathology, 2005, 6, 43-51.	4.2	170
14	Transcriptome Profiling of Citrus Fruit Response to Huanglongbing Disease. PLoS ONE, 2012, 7, e38039.	2.5	158
15	Agrobacterium-Mediated Transformation of Walnut Somatic Embryos and Regeneration of Transgenic Plants. Nature Biotechnology, 1988, 6, 800-804.	17.5	149
16	Cloning and sequencing of a gene encoding a 2S albumin seed storage protein precursor from English walnut (Juglans regia), a major food allergenâ˜†â˜†â˜†â˜…â˜…â˜…. Journal of Allergy and Clinical Immunology, 1998, 101, 807-814.	10.1	148
17	Identification of Stylar RNases Associated with Gametophytic Self-Incompatibility in Almond (Prunus) Tj ETQq1 1 0.784314 rgBT /Ove	3.1	145
18	Identification and cloning of a complementary DNA encoding a vicilin-like proprotein, Jug r 2, from English walnut kernel (Juglans regia), a major food allergenâ˜†â˜†â˜†â˜…â˜…â˜…. Journal of Allergy and Clinical Immunology, 1999, 104, 1311-1320.	2.9	138

#	Article	IF	Citations
19	Impact of Suppression of Ethylene Action or Biosynthesis on Flavor Metabolites in Apple (Malus) Tj ETQq1 1 0.784314 rgBT /Overlock	5.2	137
20	Silencing leaf sorbitol synthesis alters long-distance partitioning and apple fruit quality. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18842-18847.	7.1	129
21	Transgenically Enhanced Sorbitol Synthesis Facilitates Phloem Boron Transport and Increases Tolerance of Tobacco to Boron Deficiency1. Plant Physiology, 1999, 119, 17-20.	4.8	122
22	The influence of addition of gallic acid, tannic acid, or quebracho tannins to alfalfa hay on in vitro rumen fermentation and microbial protein synthesis. Animal Feed Science and Technology, 2008, 140, 444-461.	2.2	117
23	Sugar metabolism and accumulation in the fruit of transgenic apple trees with decreased sorbitol synthesis. Horticulture Research, 2018, 5, 60.	6.3	112
24	Gene Regulatory Networks Elucidating Huanglongbing Disease Mechanisms. PLoS ONE, 2013, 8, e74256.	2.5	106
25	Mechanism of gallic acid biosynthesis in bacteria (Escherichia coli) and walnut (Juglans regia). Plant Molecular Biology, 2011, 75, 555-565.	3.9	104
26	Acetosyringone and osmoprotectants like betaine or proline synergistically enhance Agrobacterium-mediated transformation of apple. Plant Cell Reports, 1993, 12, 559-63.	5.6	98
27	Detection of Huanglongbing Disease Using Differential Mobility Spectrometry. Analytical Chemistry, 2014, 86, 2481-2488.	6.5	98
28	Investigation of Agrobacterium-mediated transformation of apple using green fluorescent protein: high transient expression and low stable transformation suggest that factors other than T-DNA transfer are rate-limiting. Plant Molecular Biology, 1998, 37, 549-559.	3.9	97
29	Sorbitol Modulates Resistance to Alternaria alternata by Regulating the Expression of an NLR Resistance Gene in Apple. Plant Cell, 2018, 30, 1562-1581.	6.6	97
30	Somatic proembryo formation and transient expression of a luciferase gene in Douglas fir and loblolly pine protoplasts. Plant Science, 1988, 58, 85-92.	3.6	96
31	Improved efficiency of the walnut somatic embryo gene transfer system. Plant Cell Reports, 1990, 8, 512-516.	5.6	94
32	Transformation of Japanese persimmon (Diospyros kaki Thunb.) with apple cDNA encoding NADP-dependent sorbitol-6-phosphate dehydrogenase. Plant Science, 2001, 160, 837-845.	3.6	94
33	High density SNP mapping and QTL analysis for fruit quality characteristics in peach (Prunus persica) Tj ETQq1 1 0.784314 rgBT /Over	1.6	92
34	Sorbitol Synthesis in Transgenic Tobacco with Apple cDNA Encoding NADP-Dependent Sorbitol-6-Phosphate Dehydrogenase. Plant and Cell Physiology, 1995, 36, 525-532.	3.1	84
35	Antisense inhibition of sorbitol synthesis leads to up-regulation of starch synthesis without altering CO2 assimilation in apple leaves. Planta, 2005, 220, 767-776.	3.2	84
36	Synteny analysis in Rosids with a walnut physical map reveals slow genome evolution in long-lived woody perennials. BMC Genomics, 2015, 16, 707.	2.8	83

#	Article	IF	Citations
37	High-quality chromosome-scale assembly of the walnut (Juglans regia L.) reference genome. GigaScience, 2020, 9, .	6.4	83
38	The Chemical Chaperone Proline Relieves the Thermosensitivity of a dnaK Deletion Mutant at 42Â°C. Journal of Bacteriology, 2004, 186, 8149-8152.	2.2	80
39	The Type II Secreted Lipase/Esterase LesA is a Key Virulence Factor Required for Xylella fastidiosa Pathogenesis in Grapevines. Scientific Reports, 2016, 6, 18598.	3.3	80
40	Characterization of the S-Locus Region of Almond (Prunus dulcis): Analysis of a Somaclonal Mutant and a Cosmid Contig for an S Haplotype. Genetics, 2001, 158, 379-386.	2.9	77
41	Complete sequence analysis of cDNA clones encoding rat whey phosphoprotein: homology to a protease inhibitor.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 3987-3991.	7.1	75
42	An engineered innate immune defense protects grapevines from Pierce disease. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3721-3725.	7.1	74
43	Gene regulation in parthenocarpic tomato fruit. Journal of Experimental Botany, 2009, 60, 3873-3890.	4.8	73
44	Genomic Variation Among and Within SixJuglansSpecies. G3: Genes, Genomes, Genetics, 2018, 8, 2153-2165.	1.8	73
45	Discovery of non-climacteric and suppressed climacteric bud sport mutations originating from a climacteric Japanese plum cultivar (Prunus salicina Lindl.). Frontiers in Plant Science, 2015, 6, 316.	3.6	72
46	Candidate gene database and transcript map for peach, a model species for fruit trees. Theoretical and Applied Genetics, 2005, 110, 1419-1428.	3.6	71
47	Jug r 4, a Legumin Group Food Allergen from Walnut (Juglans regia Cv. Chandler). Journal of Agricultural and Food Chemistry, 2006, 54, 8369-8375.	5.2	68
48	Sequencing a Juglans regiaâ€‰Ã—â€‰J. microcarpa hybrid yields high-quality genome assemblies of parental species. Horticulture Research, 2019, 6, 55.	6.3	67
49	Protein secretion: How many secretory routes does a plant cell have?. Plant Science, 2013, 203-204, 74-78.	3.6	61
50	Decreased sorbitol synthesis leads to abnormal stamen development and reduced pollen tube growth via an MYB transcription factor, MdMYB39L, in apple (Malus domestica). New Phytologist, 2018, 217, 641-656.	7.3	61
51	Bioreactor strategies for improving production yield and functionality of a recombinant human protein in transgenic tobacco cell cultures. Biotechnology and Bioengineering, 2009, 102, 508-520.	3.3	60
52	Silencing crown gall disease in walnut (Juglans regia L.). Plant Science, 2002, 163, 591-597.	3.6	59
53	Transformation and Foreign Gene Expression in Micropropagated Douglasâ€“Fir (Pseudotsuga) Tj ETQq1 1 0.784314 rgBT /Overlock	17.5	58
54	Down-regulation of sorbitol dehydrogenase and up-regulation of sucrose synthase in shoot tips of the transgenic apple trees with decreased sorbitol synthesis. Journal of Experimental Botany, 2006, 57, 3647-3657.	4.8	58

#	Article	IF	Citations
55	A single base pair change in proline biosynthesis genes causes osmotic stress tolerance. Journal of Bacteriology, 1988, 170, 5943-5945.	2.2	57
56	High levels of expression of full-length cryIA(c) gene from Bacillus thuringiensis in transgenic somatic walnut embryos. Plant Science, 1998, 131, 181-193.	3.6	55
57	Genetic transformation and regeneration of rubber tree (Hevea brasiliensis Muell. Arg) transgenic plants with a constitutive version of an anti-oxidative stress superoxide dismutase gene. Plant Cell Reports, 2003, 22, 201-209.	5.6	53
58	Proteomic analysis highlights the role of detoxification pathways in increased tolerance to Huanglongbing disease. BMC Plant Biology, 2016, 16, 167.	3.6	53
59	Transcriptome and metabolome analysis of Citrus fruit to elucidate puffing disorder. Plant Science, 2014, 217-218, 87-98.	3.6	52
60	Proteomic and Metabolomic Analyses of Xylella fastidiosa OMV-Enriched Fractions Reveal Association with Virulence Factors and Signaling Molecules of the DSF Family. Phytopathology, 2019, 109, 1344-1353.	2.2	51
61	Engineering Genetic Resistance against Insects in Japanese Persimmon Using the cryIA(c) Gene of Bacillus thuringiensis. Journal of the American Society for Horticultural Science, 1997, 122, 764-771.	1.0	51
62	A Sugar Transporter Takes Up both Hexose and Sucrose for Sorbitol-Modulated In Vitro Pollen Tube Growth in Apple. Plant Cell, 2020, 32, 449-469.	6.6	49
63	Low levels of expression of wild type Bacillus thuringiensis var. kurstaki cryIA (c) sequences in transgenic walnut somatic embryos. Plant Science, 1994, 96, 151-162.	3.6	48
64	Genome-wide SNP discovery in walnut with an AGSNP pipeline updated for SNP discovery in allogamous organisms. BMC Genomics, 2012, 13, 354.	2.8	47
65	Expression of recombinant trichosanthin, a ribosome-inactivating protein, in transgenic tobacco. Journal of Biotechnology, 2002, 97, 69-88.	3.8	46
66	Genetic Mechanisms of the Devious Intruder Candidatus Liberibacter in Citrus. Frontiers in Plant Science, 2017, 8, 904.	3.6	46
67	A chemically inducible cucumber mosaic virus amplicon system for expression of heterologous proteins in plant tissues. Plant Biotechnology Journal, 2006, 4, 060607001144001-???.	8.3	44
68	Stacking resistance to crown gall and nematodes in walnut rootstocks. BMC Genomics, 2013, 14, 668.	2.8	43
69	Distinct Roles for Mitogen-Activated Protein Kinase Signaling and CALMODULIN-BINDING TRANSCRIPTIONAL ACTIVATOR3 in Regulating the Peak Time and Amplitude of the Plant General Stress Response Â Â. Plant Physiology, 2014, 166, 988-996.	4.8	43
70	The Secreted Protease PrtA Controls Cell Growth, Biofilm Formation and Pathogenicity in Xylella fastidiosa. Scientific Reports, 2016, 6, 31098.	3.3	42
71	Characterization of Polyphenol Oxidase from Walnut. Journal of the American Society for Horticultural Science, 2008, 133, 852-858.	1.0	42
72	The introduction and expression of transgenes in plants. Scientia Horticulturae, 1993, 55, 5-36.	3.6	41

#	Article	IF	Citations
73	Gene expression and ethylene production in transgenic pear (Pyrus communis cv. â€˜La Franceâ€™) with sense or antisense cDNA encoding ACC oxidase. Plant Science, 2007, 173, 32-42.	3.6	40
74	Deep RNA-Seq profile reveals biodiversity, plantâ€“microbe interactions and a large family of NBS-LRR resistance genes in walnut (Juglans regia) tissues. AMB Express, 2016, 6, 12.	3.0	39
75	Stress responses in citrus peel: Comparative analysis of host responses to Huanglongbing disease and puffing disorder. Scientia Horticulturae, 2015, 192, 409-420.	3.6	38
76	Antimicrobial activity of Epsilon-Poly-l-lysine against phytopathogenic bacteria. Scientific Reports, 2020, 10, 11324.	3.3	38
77	A Bulk Segregant Gene Expression Analysis of a Peach Population Reveals Components of the Underlying Mechanism of the Fruit Cold Response. PLoS ONE, 2014, 9, e90706.	2.5	38
78	Transgenically enhanced sorbitol synthesis facilitates phloem-boron mobility in rice. Physiologia Plantarum, 2003, 117, 79-84.	5.2	35
79	Resistance of Malus domestica Fruit to Botrytis cinerea Depends on Endogenous Ethylene Biosynthesis. Phytopathology, 2011, 101, 1311-1321.	2.2	35
80	Identification and analysis of seven effector protein families with different adaptive and evolutionary histories in plant-associated members of the Xanthomonadaceae. Scientific Reports, 2017, 7, 16133.	3.3	35
81	Molecular Profiling of Pierceâ€™s Disease Outlines the Response Circuitry of Vitis vinifera to Xylella fastidiosa Infection. Frontiers in Plant Science, 2018, 9, 771.	3.6	35
82	Superficial Scald and Bitter Pit Development in Cold-Stored Transgenic Apples Suppressed for Ethylene Biosynthesis. Journal of Agricultural and Food Chemistry, 2009, 57, 2786-2792.	5.2	34
83	Analysis of Early Host Responses for Asymptomatic Disease Detection and Management of Specialty Crops. Critical Reviews in Immunology, 2010, 30, 277-289.	0.5	34
84	Transformation of temperate woody crops: Progress and potentials. Scientia Horticulturae, 1993, 55, 101-124.	3.6	33
85	Using GFP as a Scorable Marker in Walnut Somatic Embryo Transformation. Annals of Botany, 2000, 85, 831-835.	2.9	33
86	Transient Expression of Tetrameric Recombinant Human Butyrylcholinesterase in Nicotiana benthamiana. Frontiers in Plant Science, 2016, 7, 743.	3.6	33
87	Transformation of pecan and regeneration of transgenic plants. Plant Cell Reports, 1993, 12, 634-8.	5.6	31
88	The Oncogenes of Agrobacterium Tumefaciens and Agrobacterium Rhizogenes. , 2008, , 523-563.		30
89	Rooting and Other Characteristics of a Transgenic Walnut Hybrid (Juglans hindsii Ã— J. regia) Rootstock Expressing rolABC. Journal of the American Society for Horticultural Science, 2002, 127, 724-728.	1.0	30
90	Advances in Rootstock Breeding of Nut Trees: Objectives and Strategies. Plants, 2021, 10, 2234.	3.5	30

#	Article	IF	Citations
91	Suppressing Sorbitol Synthesis Substantially Alters the Global Expression Profile of Stress Response Genes in Apple (Malus domestica) Leaves. Plant and Cell Physiology, 2015, 56, 1748-1761.	3.1	29
92	Complete Genome Sequence of Xanthomonas arboricola pv. juglandis 417, a Copper-Resistant Strain Isolated from Juglans regia L. Genome Announcements, 2015, 3, .	0.8	29
93	Effects of N-Glycosylation on the Structure, Function, and Stability of a Plant-Made Fc-Fusion Anthrax Decoy Protein. Frontiers in Plant Science, 2019, 10, 768.	3.6	29
94	Catalytic activities and chloroplast import of carotenogenic enzymes from citrus. Physiologia Plantarum, 2006, 127, 561-570.	5.2	27
95	Quantitative Analysis of Efficient Endogenous Gene Silencing in Nicotiana benthamiana Plants Using Tomato bushy stunt virus Vectors That Retain the Capsid Protein Gene. Molecular Plant-Microbe Interactions, 2007, 20, 609-618.	2.6	27
96	A comparative study between lignin down regulated alfalfa lines and their respective unmodified controls on the nutritional characteristics of hay. Animal Feed Science and Technology, 2011, 170, 192-200.	2.2	27
97	Characterizing the walnut genome through analyses of BAC end sequences. Plant Molecular Biology, 2012, 78, 95-107.	3.9	27
98	Determinants of timing and amplitude in the plant general stress response. Journal of Integrative Plant Biology, 2016, 58, 119-126.	8.5	26
99	Trans-Graft Protection Against Pierceâ€™s Disease Mediated by Transgenic Grapevine Rootstocks. Frontiers in Plant Science, 2019, 10, 84.	3.6	26
100	Volatile organic compound (VOC) profiling of citrus tristeza virus infection in sweet orange citrus varietals using thermal desorption gas chromatography time of flight mass spectrometry (TD-GC/TOF-MS). Metabolomics, 2015, 11, 1514-1525.	3.0	25
101	Identifying Host Molecular Features Strongly Linked With Responses to Huanglongbing Disease in Citrus Leaves. Frontiers in Plant Science, 2018, 9, 277.	3.6	25
102	Comparative genomics of six Juglans species reveals diseaseâ€associated gene family contractions. Plant Journal, 2020, 102, 410-423.	5.7	25
103	Induction of Polyphenol Oxidase in Walnut and Its Relationship to the Pathogenic Response to Bacterial Blight. Journal of the American Society for Horticultural Science, 2016, 141, 119-124.	1.0	25
104	Genetic engineering to improve quality, productivity and value of crops. California Agriculture, 2000, 54, 49-56.	0.8	25
105	Agrobacterium tumefaciens mediated transient expression of plant cell wallâ€degrading enzymes in detached sunflower leaves. Biotechnology Progress, 2014, 30, 905-915.	2.6	24
106	Functional analysis of walnut polyphenol oxidase gene (JrPPO1) in transgenic tobacco plants and PPO induction in response to walnut bacterial blight. Plant Pathology, 2020, 69, 756-764.	2.4	24
107	Optimization of the bioprocessing conditions for scaleâ€up of transient production of a heterologous protein in plants using a chemically inducible viral amplicon expression system. Biotechnology Progress, 2009, 25, 722-734.	2.6	23
108	YeATS - a tool suite for analyzing RNA-seq derived transcriptome identifies a highly transcribed putative extensin in heartwood/sapwood transition zone in black walnut. F1000Research, 2015, 4, 155.	1.6	23

#	Article	IF	Citations
109	Transformation of persimmon with a pear fruit polygalacturonase inhibiting protein (PGIP) gene. Scientia Horticulturae, 2004, 103, 19-30.	3.6	22
110	Highâ€Ł evel Transient Production of a Heterologous Protein in Plants by Optimizing Induction of a Chemically Inducible Viral Amplicon Expression System. Biotechnology Progress, 2007, 23, 1277-1285.	2.6	22
111	Sucrose induces expression of the sorbitolâ€6â€phosphate dehydrogenase gene in source leaves of loquat. Physiologia Plantarum, 2014, 150, 355-362.	5.2	22
112	Cloning and Characterization of a Self-compatible Sf Haplotype in Almond [Prunus dulcis (Mill.) D.A. Webb. syn. P. amygdalus Batsch] to Resolve Previous Confusion in Its Sf-RNase Sequence. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 609-613.	1.0	22
113	Tuning the orchestra: Selective gene regulation and orange fruit quality. Plant Science, 2008, 174, 310-320.	3.6	21
114	A Computational Module Assembled from Different Protease Family Motifs Identifies PI PLC from Bacillus cereus as a Putative Prolyl Peptidase with a Serine Protease Scaffold. PLoS ONE, 2013, 8, e70923.	2.5	21
115	Agrobacterium-mediated transformation of somatic embryos as a method for the production of transgenic plants. Cytotechnology, 1989, 12, 145-150.	0.3	20
116	Chimeric cDNA Sequences from Citrus tristeza virus Confer RNA Silencing-Mediated Resistance in Transgenic Nicotiana benthamiana Plants. Phytopathology, 2006, 96, 819-827.	2.2	20
117	Promiscuity-Based Enzyme Selection for Rational Directed Evolution Experiments. Methods in Molecular Biology, 2013, 978, 205-216.	0.9	20
118	A red fluorescent protein (DsRED) from Discosoma sp. as a reporter for gene expression in walnut somatic embryos. Plant Cell Reports, 2015, 34, 861-869.	5.6	19
119	Multidimensional Analysis of S-alleles from Cross-incompatible Groups of California Almond Cultivars. Journal of the American Society for Horticultural Science, 2006, 131, 632-636.	1.0	19
120	Characterization of oncogene-silenced transgenic plants: implications for Agrobacterium biology and post-transcriptional gene silencing. Molecular Plant Pathology, 2003, 4, 57-65.	4.2	18
121	Shading affects flesh calcium uptake and concentration, bitter pit incidence and other fruit traits in â€œGreensleevesâ€•apple. Scientia Horticulturae, 2013, 161, 266-272.	3.6	18
122	The Tale of Cotton Plant: From Wild Type to Domestication, Leading to Its Improvement by Genetic Transformation. American Journal of Molecular Biology, 2020, 10, 91-127.	0.3	18
123	Demethylation of ripening specific genes in tomato fruit. Plant Science, 1993, 92, 13-18.	3.6	17
124	3-Ketoglycoside-mediated metabolism of sucrose in E. coli as conferred by genes from Agrobacterium tumefaciens. Applied Microbiology and Biotechnology, 1997, 47, 560-565.	3.6	17
125	Genome-Wide Profiling and Phylogenetic Analysis of the SWEET Sugar Transporter Gene Family in Walnut and Their Lack of Responsiveness to Xanthomonas arboricola pv. juglandis Infection. International Journal of Molecular Sciences, 2020, 21, 1251.	4.1	17
126	Ribosome-Inactivating Protein Production from Trichosanthes kirilowii Plant Cell Cultures. Biotechnology Progress, 1994, 10, 345-352.	2.6	16

#	Article	IF	Citations
127	Influence of year and genetic factors on chilling injury susceptibility in peach (Prunus persica (L.)) Tj ETQq1 1 0.784314 rgBT /Overloc	1.2	16
128	Deploying Genome Editing Tools for Dissecting the Biology of Nut Trees. Frontiers in Sustainable Food Systems, 2019, 3, .	3.9	16
129	The plant-based chimeric antimicrobial protein SlP14a-PPC20 protects tomato against bacterial wilt disease caused by Ralstonia solanacearum. Plant Science, 2019, 280, 197-205.	3.6	16
130	Responses of production and storage walnut pests to Bacillus thuringiensis insecticidal crystal protein fragments. Biological Control, 1991, 1, 329-333.	3.0	15
131	Two-dimensional wavelet analysis based classification of gas chromatogram differential mobility spectrometry signals. Analytica Chimica Acta, 2009, 647, 46-53.	5.4	14
132	Effect of leaf incubation temperature profiles on agrobacterium tumefaciensâ€mediated transient expression. Biotechnology Progress, 2015, 31, 783-790.	2.6	14
133	Sequence/structural analysis of xylem proteome emphasizes pathogenesis-related proteins, chitinases andÎ²-1, 3-glucanases as key players in grapevine defense againstXylella fastidiosa. PeerJ, 2016, 4, e2007.	2.0	14
134	Relative Virulence of Agrobacterium Strains on Strawberry. Hortscience: A Publication of the American Society for Hortcultural Science, 1991, 26, 196-199.	1.0	13
135	REVIEW: Does Protein in Alfalfa Need Protection from Rumen Microbes?. The Professional Animal Scientist, 2006, 22, 364-373.	0.7	12
136	Protein structure quality assessment based on the distance profiles of consecutive backbone CÎ± atoms. F1000Research, 2013, 2, 211.	1.6	12
137	Proteome Analysis of Walnut Bacterial Blight Disease. International Journal of Molecular Sciences, 2020, 21, 7453.	4.1	12
138	Milk protein gene expression in the rat mammary gland. Critical Reviews in Food Science and Nutrition, 1982, 16, 165-186.	1.3	11
139	Citrus tristeza virus infection in sweet orange trees and a mandarin Ã— tangor cross alters low molecular weight metabolites assessed using gas chromatography mass spectrometry (GC/MS). Metabolomics, 2016, 12, 1.	3.0	11
140	In vitro gene expression and mRNA translocation from transformed walnut (Juglans regia) rootstocks expressing DsRED fluorescent protein to wild-type scions. Plant Cell Reports, 2017, 36, 877-885.	5.6	11
141	A genetic genomics-expression approach reveals components of the molecular mechanisms beyond the cell wall that underlie peach fruit woolliness due to cold storage. Plant Molecular Biology, 2016, 92, 483-503.	3.9	10
142	A fineâ€scale genetic linkage map reveals genomic regions associated with economic traits in walnut (Juglans regia). Plant Breeding, 2019, 138, 635-646.	1.9	10
143	YeATS - a tool suite for analyzing RNA-seq derived transcriptome identifies a highly transcribed putative extensin in heartwood/sapwood transition zone in black walnut. F1000Research, 2015, 4, 155.	1.6	10
144	Development of Agrobacterium-Mediated Transformation of Pear (Pyrus communis L.) with Cotyledon Explants and Production of Transgenic Pears Using ACC Oxidase cDNA.. Plant Biotechnology, 2002, 19, 319-327.	1.0	10

#	Article	IF	Citations
145	Regeneration and Transformation of Apple (Malus pumila Mill.). , 1991, , 335-352.		9
146	Brassinosteroidâ€™s multi-modular interaction with the general stress network customizes stimulus-specific responses in Arabidopsis. Plant Science, 2016, 250, 165-177.	3.6	9
147	Expression, Purification, and Biophysical Characterization of a Secreted Anthrax Decoy Fusion Protein in Nicotiana benthamiana. International Journal of Molecular Sciences, 2017, 18, 89.	4.1	9
148	In-Field and Early Detection of Xylella fastidiosa Infections in Olive Using a Portable Instrument. Frontiers in Plant Science, 2018, 9, 2007.	3.6	9
149	N-Benzyl-linoleamide, a Constituent of Lepidium meyenii (Maca), Is an Orally Bioavailable Soluble Epoxide Hydrolase Inhibitor That Alleviates Inflammatory Pain. Journal of Natural Products, 2020, 83, 3689-3697.	3.0	9
150	Two UGT84A Family Glycosyltransferases Regulate Phenol, Flavonoid, and Tannin Metabolism in Juglans regia (English Walnut). Frontiers in Plant Science, 2021, 12, 626483.	3.6	9
151	A comparative genomic analysis of Xanthomonas arboricola pv. juglandis strains reveal hallmarks of mobile genetic elements in the adaptation and accelerated evolution of virulence. Genomics, 2021, 113, 2513-2525.	2.9	9
152	Characterizing alpha helical properties of Ebola viral proteins as potential targets for inhibition of alpha-helix mediated protein-protein interactions. F1000Research, 2014, 3, 251.	1.6	9
153	The PDB database is a rich source of alpha-helical anti-microbial peptides to combat disease causing pathogens. F1000Research, 2014, 3, 295.	1.6	9
154	PAGAL - Properties and corresponding graphics of alpha helical structures in proteins. F1000Research, 2014, 3, 206.	1.6	9
155	A Simplified Procedure for the Purification of Trichosanthin (A Type 1 Ribosome Inactivating Protein) fromTrichosanthes kirilowiiRoot Tubers. Protein Expression and Purification, 1996, 7, 143-146.	1.3	8
156	Plant Transformation: Agrobacterium</I>-Mediated Gene Transfer. , 2005, 286, 035-046.		8
157	Walnut (Juglans). , 2006, 344, 297-307.		8
158	Impacts of polyphenol oxidase enzyme expression in transgenic alfalfa on in vitro gas production and ruminal degradation of protein, and nitrogen release during ensiling. Animal Feed Science and Technology, 2009, 151, 44-54.	2.2	8
159	Volatile Organic Compounds (VOCs) for Noninvasive Plant Diagnostics. ACS Symposium Series, 2013, , 73-95.	0.5	8
160	Enhancement of Recombinant Protein Production in Transgenic Nicotiana benthamiana Plant Cell Suspension Cultures with Co-Cultivation of Agrobacterium Containing Silencing Suppressors. International Journal of Molecular Sciences, 2018, 19, 1561.	4.1	8
161	Comparative Proteomic Analysis of Walnut (Juglans regia L.) Pellicle Tissues Reveals the Regulation of Nut Quality Attributes. Life, 2020, 10, 314.	2.4	8
162	Dipeptidyl peptidase-IV inhibitors used in type-2 diabetes inhibit a phospholipase C: a case of promiscuous scaffolds in proteins. F1000Research, 0, 2, 286.	1.6	8

#	Article	IF	Citations
163	Correlating the ability of VP24 protein from Ebola and Marburg viruses to bind human karyopherin to their immune suppression mechanism and pathogenicity using computational methods. F1000Research, 0, 3, 265.	1.6	8
164	The PDB database is a rich source of alpha-helical anti-microbial peptides to combat disease causing pathogens. F1000Research, 2014, 3, 295.	1.6	8
165	Molecular Responses to Small Regulating Molecules against Huanglongbing Disease. PLoS ONE, 2016, 11, e0159610.	2.5	7
166	The dipeptidyl peptidase IV inhibitors vildagliptin and K-579 inhibit a phospholipase C: a case of promiscuous scaffolds in proteins. F1000Research, 2013, 2, 286.	1.6	7
167	PAGAL - Properties and corresponding graphics of alpha helical structures in proteins. F1000Research, 2014, 3, 206.	1.6	7
168	Characterizing alpha helical properties of Ebola viral proteins as potential targets for inhibition of alpha-helix mediated protein-protein interactions. F1000Research, 2014, 3, 251.	1.6	7
169	YeATSAM analysis of the walnut and chickpea transcriptome reveals key genes undetected by current annotation tools. F1000Research, 2016, 5, 2689.	1.6	7
170	Effects of Transgenic Petunia Expressing Bacillus thuringiensis Toxin on Selected Lepidopteran Pests. Biocontrol Science and Technology, 1997, 7, 437-448.	1.3	6
171	Xylella fastidiosa subsp. pauca Strains Fb7 and 9a5c from Citrus Display Differential Behavior, Secretome, and Plant Virulence. International Journal of Molecular Sciences, 2020, 21, 6769.	4.1	6
172	Rapid Clearance of Bacteria and Their Toxins: Development of Therapeutic Proteins. Critical Reviews in Immunology, 2007, 27, 233-245.	0.5	6
173	A novel type-1 ribosome-inactivating protein isolated from the supernatant of transformed suspension cultures of Trichosanthes kirilowii. Plant Cell Reports, 1998, 17, 531-537.	5.6	5
174	Electroporation: Introduction and Expression of Transgenes in Plant Protoplasts. , 2005, 286, 079-090.		5
175	Genetic Analysis of Walnut (Juglans regia L.) Pellicle Pigment Variation Through a Novel, High-Throughput Phenotyping Platform. G3: Genes, Genomes, Genetics, 2020, 10, 4411-4424.	1.8	5
176	Generation and In-planta expression of a recombinant single chain antibody with broad neutralization activity on Bothrops pauloensis snake venom. International Journal of Biological Macromolecules, 2020, 149, 1241-1251.	7.5	5
177	The electrostatic profile of consecutive Cî² atoms applied to protein structure quality assessment. F1000Research, 2013, 2, 243.	1.6	5
178	Walnut (Juglans). Methods in Molecular Biology, 2015, 1224, 229-241.	0.9	4
179	Co-located quantitative trait loci mediate resistance to Agrobacterium tumefaciens, Phytophthora cinnamomi, and P. pini in Juglans microcarpa Ã— J. regia hybrids. Horticulture Research, 2021, 8, 111.	6.3	4
180	The electrostatic profile of consecutive Cî² atoms applied to protein structure quality assessment. F1000Research, 2013, 2, 243.	1.6	4

#	Article	IF	Citations
181	De Novo Arginine Synthesis Is Required for Full Virulence of Xanthomonas arboricola pv. juglandis During Walnut Bacterial Blight Disease. Phytopathology, 2022, 112, 1500-1512.	2.2	4
182	Plant callus as a source of biochemicals. Applied Biochemistry and Biotechnology, 1995, 54, 93-108.	2.9	3
183	Nuclear localization of a foreign gene product in tobacco results in increased accumulation due to enhanced stability. Plant Science, 1998, 133, 177-189.	3.6	3
184	Apple (Malus Ã— domestica). , 2006, 344, 253-261.		3
185	Tomato Bushy Stunt Virus Recombination Guided by Introduced MicroRNA Target Sequences. Journal of Virology, 2009, 83, 10472-10479.	3.4	3
186	Effects of transgenic expression of Brevibacterium linens methionine gamma lyase (MGL) on accumulation of Tylenchulus semipenetrans and key aminoacid contents in Carrizo citrange. Plant Molecular Biology, 2017, 95, 497-505.	3.9	3
187	Deep Learning Neural Network Prediction Method Improves Proteome Profiling of Vascular Sap of Grapevines during Pierceâ€™s Disease Development. Biology, 2020, 9, 261.	2.8	3
188	Transgenic Woody Plants. , 1993, , 129-151.		3
189	Correlating the ability of VP24 protein from Ebola and Marburg viruses to bind human karyopherin to their immune suppression mechanism and pathogenicity using computational methods. F1000Research, 0, 3, 265.	1.6	3
190	A Chemical Genetic Screening Procedure for Arabidopsis thaliana Seedlings. Bio-protocol, 2015, 5, .	0.4	3
191	PREMONITION - Preprocessing motifs in protein structures for search acceleration. F1000Research, 0, 3, 217.	1.6	3
192	A rapid in vitro phenotypic assay of walnut shoots for pre-screening resistance to Phytophthora pini. Plant Health Progress, 0, , .	1.4	2
193	A Secreted Chorismate Mutase from Xanthomonas arboricola pv. juglandis Attenuates Virulence and Walnut Blight Symptoms. International Journal of Molecular Sciences, 2021, 22, 10374.	4.1	2
194	Potentials of Woody Plant Transformation. Sub-Cellular Biochemistry, 1991, 17, 81-105.	2.4	2
195	Partial purification of a competence factor from Rhizobium japonicum. Archives of Microbiology, 1978, 118, 253-256.	2.2	1
196	Genetic Transformation System in Douglas-fir Pseudotsuga menziesii. , 1989, , 339-347.		1
197	Transgenic Fruit and Nut Tree Crops Review. , 2011, , 1-29.		1
198	Directed evolution induces tributyrin hydrolysis in a virulence factor of Xylella fastidiosa using a duplicated gene as a template. F1000Research, 2014, 3, 215.	1.6	1

#	Article	IF	Citations
199	Development of Insect Resistance in Fruit and Nut Tree Crops. Forestry Sciences, 2000, , 395-417.	0.4	1
200	The electrostatic profile of consecutive Cî² atoms applied to protein structure quality assessment. F1000Research, 0, 2, 243.	1.6	1
201	Founder transformants of cotton (Gossypium hirsutum L.) obtained through the introduction of DS-Red, Rec, Rep and CRISPR/Cas9 expressing constructs for developing base lines of recombinase mediated gene stacking. PLoS ONE, 2022, 17, e0263219.	2.5	1
202	Introduction and Expression of Transgenes in Apples. , 2002, , .		0
203	Antisense Inhibition of Sorbitol Synthesis Leads to Changes in the Activity of the Antioxidant System in Apple Leaves. Hortscience: A Publication of the American Society for Hortcultural Science, 2004, 39, 887E-887.	1.0	0
204	Identifying Flavor Metabolites Under Ethylene Regulation in Apples. Hortscience: A Publication of the American Society for Hortcultural Science, 2004, 39, 781B-781.	1.0	0
205	Mechanism of Up-regulation of Starch Synthesis in Mature Leaves of Transgenic Apple Trees with Decreased Sorbitol Synthesis. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 1009D-1009.	1.0	0
206	Promiscuous scaffolds in proteins - non-native, non-additive and non-trivial. F1000Research, 0, 2, 260.	1.6	0
207	Promiscuous scaffolds in proteins - non-native, non-additive and non-trivial. F1000Research, 0, 2, 260.	1.6	0
208	SORBITOL METABOLISM IN BACTERIA PATHOGENIC TO THE ROSACEAE FAMILY. Hortscience: A Publication of the American Society for Hortcultural Science, 1992, 27, 630g-630.	1.0	0
209	Development of a protocol for genetic transformation of Malus spp. Caryologia, 2021, 74, 9-19.	0.3	0