

Pierdomenico Perata

List of Publications by Year in descending order

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Version: 2024-02-01

167
papers

14,015
citations

17429

63
h-index

22808

112
g-index

172
all docs

172
docs citations

172
times ranked

11149
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>APETALA</scp>2/Ethylene Responsive Factor (<scp>AP</scp>2/<scp>ERF</scp>) transcription factors: mediators of stress responses and developmental programs. <i>New Phytologist</i> , 2013, 199, 639-649.	3.5	768
2	Sucrose-Specific Induction of the Anthocyanin Biosynthetic Pathway in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2006, 140, 637-646.	2.3	738
3	Oxygen sensing in plants is mediated by an N-end rule pathway for protein destabilization. <i>Nature</i> , 2011, 479, 419-422.	13.7	628
4	Making sense of low oxygen sensing. <i>Trends in Plant Science</i> , 2012, 17, 129-138.	4.3	465
5	HRE1 and HRE2, two hypoxia-inducible ethylene response factors, affect anaerobic responses in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2010, 62, 302-315.	2.8	384
6	Gibberellins, jasmonate and abscisic acid modulate the sucrose-induced expression of anthocyanin biosynthetic genes in <i>Arabidopsis</i> . <i>New Phytologist</i> , 2008, 179, 1004-1016.	3.5	336
7	Plant responses to anaerobiosis. <i>Plant Science</i> , 1993, 93, 1-17.	1.7	307
8	Genomic and transcriptomic analysis of the AP2/ERF superfamily in <i>Vitis vinifera</i> . <i>BMC Genomics</i> , 2010, 11, 719.	1.2	307
9	Plant cysteine oxidases control the oxygen-dependent branch of the N-end-rule pathway. <i>Nature Communications</i> , 2014, 5, 3425.	5.8	293
10	Transcript Profiling of the Anoxic Rice Coleoptile. <i>Plant Physiology</i> , 2007, 144, 218-231.	2.3	287
11	A Genome-Wide Analysis of the Effects of Sucrose on Gene Expression in <i>Arabidopsis</i> Seedlings under Anoxia. <i>Plant Physiology</i> , 2005, 137, 1130-1138.	2.3	273
12	Plant responses to flooding stress. <i>Current Opinion in Plant Biology</i> , 2016, 33, 64-71.	3.5	254
13	Rice germination and seedling growth in the absence of oxygen. <i>Annals of Botany</i> , 2009, 103, 181-196.	1.4	238
14	Hormonal interplay during adventitious root formation in flooded tomato plants. <i>Plant Journal</i> , 2010, 63, 551-562.	2.8	237
15	The Heat-Inducible Transcription Factor <i>HsfA2</i> Enhances Anoxia Tolerance in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2010, 152, 1471-1483.	2.3	226
16	Effect of Anoxia on Carbohydrate Metabolism in Rice Seedlings. <i>Plant Physiology</i> , 1995, 108, 735-741.	2.3	203
17	New mechanistic links between sugar and hormone signalling networks. <i>Current Opinion in Plant Biology</i> , 2015, 25, 130-137.	3.5	179
18	Purple as a tomato: towards high anthocyanin tomatoes. <i>Trends in Plant Science</i> , 2009, 14, 237-241.	4.3	174

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19	Effect of anoxia on starch breakdown in rice and wheat seeds. <i>Planta</i> , 1992, 188, 611-8.	1.6	168
20	Amylolytic Activities in Cereal Seeds under Aerobic and Anaerobic Conditions. <i>Plant Physiology</i> , 1995, 109, 1069-1076.	2.3	164
21	Sugar Repression of a Gibberellin-Dependent Signaling Pathway in Barley Embryos.. <i>Plant Cell</i> , 1997, 9, 2197-2208.	3.1	162
22	Mobilization of Endosperm Reserves in Cereal Seeds under Anoxia. <i>Annals of Botany</i> , 1997, 79, 49-56.	1.4	157
23	Ethanol-Induced Injuries to Carrot Cells. <i>Plant Physiology</i> , 1991, 95, 748-752.	2.3	153
24	Physiological responses to Megafol® treatments in tomato plants under drought stress: A phenomic and molecular approach. <i>Scientia Horticulturae</i> , 2014, 174, 185-192.	1.7	149
25	Plant neurobiology: no brain, no gain?. <i>Trends in Plant Science</i> , 2007, 12, 135-136.	4.3	146
26	Community recommendations on terminology and procedures used in flooding and low oxygen stress research. <i>New Phytologist</i> , 2017, 214, 1403-1407.	3.5	146
27	Conserved N-terminal cysteine dioxygenases transduce responses to hypoxia in animals and plants. <i>Science</i> , 2019, 365, 65-69.	6.0	146
28	<i>Arabidopsis thaliana</i> MYB75/PAP1 transcription factor induces anthocyanin production in transgenic tomato plants. <i>Functional Plant Biology</i> , 2008, 35, 606.	1.1	141
29	<i>Ascophyllum nodosum</i> Seaweed Extract Alleviates Drought Stress in <i>Arabidopsis</i> by Affecting Photosynthetic Performance and Related Gene Expression. <i>Frontiers in Plant Science</i> , 2017, 8, 1362.	1.7	137
30	Tomato R2R3-MYB Proteins SIAN1 and SIAN2: Same Protein Activity, Different Roles. <i>PLoS ONE</i> , 2015, 10, e0136365.	1.1	133
31	Submergence tolerance in rice requires Sub1A, an ethylene-response-factor-like gene. <i>Trends in Plant Science</i> , 2007, 12, 43-46.	4.3	131
32	Iodine biofortification of crops: agronomic biofortification, metabolic engineering and iodine bioavailability. <i>Current Opinion in Biotechnology</i> , 2017, 44, 16-26.	3.3	123
33	Sugar Uptake and Transport in Rice Embryo. Expression of Companion Cell-Specific Sucrose Transporter (OsSUT1) Induced by Sugar and Light. <i>Plant Physiology</i> , 2000, 124, 85-94.	2.3	117
34	Reactive Oxygen Species-Driven Transcription in <i>Arabidopsis</i> under Oxygen Deprivation. <i>Plant Physiology</i> , 2012, 159, 184-196.	2.3	117
35	Transcriptional analysis in high-anthocyanin tomatoes reveals synergistic effect of Aft and atv genes. <i>Journal of Plant Physiology</i> , 2011, 168, 270-279.	1.6	116
36	Identification of sugar-modulated genes and evidence for in vivo sugar sensing in <i>Arabidopsis</i> . <i>Journal of Plant Research</i> , 2006, 119, 115-123.	1.2	108

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37	Endogenous Hypoxia in Lateral Root Primordia Controls Root Architecture by Antagonizing Auxin Signaling in Arabidopsis. <i>Molecular Plant</i> , 2019, 12, 538-551.	3.9	105
38	ROS signaling as common element in low oxygen and heat stresses. <i>Plant Physiology and Biochemistry</i> , 2012, 59, 3-10.	2.8	100
39	A turanose-insensitive mutant suggests a role for <i>WOX5</i> in auxin homeostasis in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2005, 44, 633-645.	2.8	99
40	New insights into reactive oxygen species and nitric oxide signalling under low oxygen in plants. <i>Plant, Cell and Environment</i> , 2017, 40, 473-482.	2.8	99
41	Universal stress protein HRU1 mediates ROS homeostasis under anoxia. <i>Nature Plants</i> , 2015, 1, 15151.	4.7	96
42	Phenotiki: an open software and hardware platform for affordable and easy image-based phenotyping of rosette-shaped plants. <i>Plant Journal</i> , 2017, 90, 204-216.	2.8	96
43	Gene Regulation and Survival under Hypoxia Requires Starch Availability and Metabolism. <i>Plant Physiology</i> , 2018, 176, 1286-1298.	2.3	95
44	Tomato fruits: a good target for iodine biofortification. <i>Frontiers in Plant Science</i> , 2013, 4, 205.	1.7	94
45	Functional dissection of a sugar-repressed α -amylase gene (<i>RAmy1A</i>) promoter in rice embryos. <i>FEBS Letters</i> , 1998, 423, 81-85.	1.3	93
46	Glucose and Disaccharide-Sensing Mechanisms Modulate the Expression of α -amylase in Barley Embryos1. <i>Plant Physiology</i> , 2000, 123, 939-948.	2.3	92
47	Sugar sensing and α -amylase gene repression in rice embryos. <i>Planta</i> , 1998, 204, 420-428.	1.6	89
48	Effect of anoxia on the induction of α -amylase in cereal seeds. <i>Planta</i> , 1993, 191, 402.	1.6	88
49	<i>SUB1A</i> -dependent and -independent mechanisms are involved in the flooding tolerance of wild rice species. <i>Plant Journal</i> , 2012, 72, 282-293.	2.8	88
50	Heat acclimation and cross-tolerance against anoxia in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2008, 31, 1029-1037.	2.8	87
51	Transcript profiling of chitosan-treated <i>Arabidopsis</i> seedlings. <i>Journal of Plant Research</i> , 2011, 124, 619-629.	1.2	87
52	Distinct mechanisms for aerenchyma formation in leaf sheaths of rice genotypes displaying a quiescence or escape strategy for flooding tolerance. <i>Annals of Botany</i> , 2011, 107, 1335-1343.	1.4	87
53	A Trihelix DNA Binding Protein Counterbalances Hypoxia-Responsive Transcriptional Activation in <i>Arabidopsis</i> . <i>PLoS Biology</i> , 2014, 12, e1001950.	2.6	86
54	Group VII Ethylene Response Factors in <i>Arabidopsis</i> : Regulation and Physiological Roles. <i>Plant Physiology</i> , 2018, 176, 1143-1155.	2.3	84

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55	Plants and flooding stress. <i>New Phytologist</i> , 2011, 190, 269-273.	3.5	83
56	Why and How Do Plant Cells Sense Sugars?. <i>Annals of Botany</i> , 2001, 88, 803-812.	1.4	82
57	Low Oxygen Response Mechanisms in Green Organisms. <i>International Journal of Molecular Sciences</i> , 2013, 14, 4734-4761.	1.8	81
58	Analysis of the role of the pyruvate decarboxylase gene family in <i>Arabidopsis thaliana</i> under low oxygen conditions. <i>Plant Biology</i> , 2014, 16, 28-34.	1.8	81
59	Accumulation of anthocyanins in tomato skin extends shelf life. <i>New Phytologist</i> , 2013, 200, 650-655.	3.5	78
60	Iodine biofortification in tomato. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 480-486.	1.1	77
61	Nighttime Sugar Starvation Orchestrates Gibberellin Biosynthesis and Plant Growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 3760-3769.	3.1	76
62	The Many Facets of Hypoxia in Plants. <i>Plants</i> , 2020, 9, 745.	1.6	74
63	Solid Phase Radioimmunoassay for the Quantitation of Abscisic Acid in Plant Crude Extracts Using a New Monoclonal Antibody. <i>Journal of Plant Physiology</i> , 1989, 134, 441-446.	1.6	73
64	The <i>atroviolacea</i> Gene Encodes an R3-MYB Protein Repressing Anthocyanin Synthesis in Tomato Plants. <i>Frontiers in Plant Science</i> , 2018, 9, 830.	1.7	73
65	Sugar Modulation of alpha-Amylase Genes under Anoxia. <i>Annals of Botany</i> , 2003, 91, 143-148.	1.4	64
66	Chapter 4 Low Oxygen Signaling and Tolerance in Plants. <i>Advances in Botanical Research</i> , 2009, 50, 139-198.	0.5	64
67	Flooding and low oxygen responses in plants. <i>Functional Plant Biology</i> , 2017, 44, iii.	1.1	62
68	Alternative Splicing in the Anthocyanin Fruit Gene Encoding an R2R3 MYB Transcription Factor Affects Anthocyanin Biosynthesis in Tomato Fruits. <i>Plant Communications</i> , 2020, 1, 100006.	3.6	62
69	A Mutant in the <i>ADH1</i> Gene of <i>Chlamydomonas reinhardtii</i> Elicits Metabolic Restructuring during Anaerobiosis. <i>Plant Physiology</i> , 2012, 158, 1293-1305.	2.3	60
70	Iodine Fortification Plant Screening Process and Accumulation in Tomato Fruits and Potato Tubers. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 706-718.	0.6	59
71	Energy and sugar signaling during hypoxia. <i>New Phytologist</i> , 2021, 229, 57-63.	3.5	58
72	Exogenous miRNAs induce post-transcriptional gene silencing in plants. <i>Nature Plants</i> , 2021, 7, 1379-1388.	4.7	57

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73	The Use of Microarrays to Study the Anaerobic Response in Arabidopsis. <i>Annals of Botany</i> , 2005, 96, 661-668.	1.4	54
74	Monoclonal Antibody Recognition of Abscisic Acid Analogs. <i>Plant Physiology</i> , 1991, 95, 46-51.	2.3	52
75	Conservation of ethanol fermentation and its regulation in land plants. <i>Journal of Experimental Botany</i> , 2019, 70, 1815-1827.	2.4	51
76	Iodine Fortification of Vegetables Improves Human Iodine Nutrition: In Vivo Evidence for a New Model of Iodine Prophylaxis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E694-E697.	1.8	49
77	Heterologous microarray experiments allow the identification of the early events associated with potato tuber cold sweetening. <i>BMC Genomics</i> , 2008, 9, 176.	1.2	47
78	Age-dependent regulation of <i>ERF1</i> transcription factor activity in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 2333-2346.	2.8	47
79	Copper localization in <i>Cannabis sativa</i> L. grown in a copper-rich solution. <i>Euphytica</i> , 2004, 140, 33-38.	0.6	46
80	<i>Arabidopsis</i> phenotyping reveals the importance of alcohol dehydrogenase and pyruvate decarboxylase for aerobic plant growth. <i>Scientific Reports</i> , 2020, 10, 16669.	1.6	44
81	Evidences for a Nutritional Role of Iodine in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 616868.	1.7	44
82	Anaerobic carbohydrate metabolism in wheat and barley, two anoxia-intolerant cereal seeds. <i>Journal of Experimental Botany</i> , 1996, 47, 999-1006.	2.4	43
83	Sugar Repression of a Gibberellin-Dependent Signaling Pathway in Barley Embryos. <i>Plant Cell</i> , 1997, 9, 2197.	3.1	43
84	A reassessment of the role of sucrose synthase in the hypoxic sucrose-ethanol transition in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2014, 37, 2294-2302.	2.8	42
85	Differential submergence tolerance between juvenile and adult <i>Arabidopsis</i> plants involves the ANAC017 transcription factor. <i>Plant Journal</i> , 2020, 104, 979-994.	2.8	42
86	Influence of Ethanol on Plant Cells and Tissues. <i>Journal of Plant Physiology</i> , 1986, 126, 181-188.	1.6	41
87	Immunological Detection of Acetaldehyde-Protein Adducts in Ethanol-Treated Carrot Cells. <i>Plant Physiology</i> , 1992, 98, 913-918.	2.3	40
88	Sugar effects on early seedling development in <i>Arabidopsis</i> . <i>Plant Growth Regulation</i> , 2007, 52, 217-228.	1.8	40
89	Iodine Accumulation and Tolerance in Sweet Basil (<i>Ocimum basilicum</i> L.) With Green or Purple Leaves Grown in Floating System Technique. <i>Frontiers in Plant Science</i> , 2019, 10, 1494.	1.7	40
90	<i>Botrytis cinerea</i> induces local hypoxia in <i>Arabidopsis</i> leaves. <i>New Phytologist</i> , 2021, 229, 173-185.	3.5	40

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91	Comparative analysis of anoxic coleoptile elongation in rice varieties: relationship between coleoptile length and carbohydrate levels, fermentative metabolism and anaerobic gene expression. <i>Plant Biology</i> , 2009, 11, 561-573.	1.8	39
92	Regulatory interplay of the Sub1A and CIPK15 pathways in the regulation of Î±-amylase production in flooded rice plants. <i>Plant Biology</i> , 2011, 13, 611-619.	1.8	39
93	Expansin gene expression and anoxic coleoptile elongation in rice cultivars. <i>Journal of Plant Physiology</i> , 2009, 166, 1576-1580.	1.6	36
94	Dissection of coleoptile elongation in <i>Oryza sativa</i> rice under submergence through integrated genome-wide association mapping and transcriptional analyses. <i>Plant, Cell and Environment</i> , 2019, 42, 1832-1846.	2.8	36
95	Anthocyanins from Purple Tomatoes as Novel Antioxidants to Promote Human Health. <i>Antioxidants</i> , 2020, 9, 1017.	2.2	35
96	What's behind Purple Tomatoes? Insight into the Mechanisms of Anthocyanin Synthesis in Tomato Fruits. <i>Plant Physiology</i> , 2020, 182, 1841-1853.	2.3	35
97	Misexpression of a Chloroplast Aspartyl Protease Leads to Severe Growth Defects and Alters Carbohydrate Metabolism in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 160, 1237-1250.	2.3	34
98	Plant responses to flooding. <i>Frontiers in Plant Science</i> , 2014, 5, 226.	1.7	34
99	Transcriptome profiling of short-term response to chilling stress in tolerant and sensitive <i>Oryza sativa</i> ssp. Japonica seedlings. <i>Functional and Integrative Genomics</i> , 2018, 18, 627-644.	1.4	34
100	Effect of Iodine treatments on <i>Ocimum basilicum</i> L.: Biofortification, phenolics production and essential oil composition. <i>PLoS ONE</i> , 2019, 14, e0226559.	1.1	34
101	Ethylene Signaling Controls Fast Oxygen Sensing in Plants. <i>Trends in Plant Science</i> , 2020, 25, 3-6.	4.3	34
102	Metabolic engineering of the iodine content in <i>Arabidopsis</i> . <i>Scientific Reports</i> , 2012, 2, 338.	1.6	32
103	Characterization of isoforms of hexose kinases in rice embryo. <i>Phytochemistry</i> , 2000, 53, 195-200.	1.4	31
104	New Role for an Old Rule: Endoplasmic Reticulum-Mediated Degradation of Ethylene Responsive Factor Proteins Governs Low Oxygen Response in Plants. <i>Journal of Integrative Plant Biology</i> , 2013, 55, 31-39.	4.1	31
105	Effects of anoxia on sucrose degrading enzymes in cereal seeds. <i>Journal of Plant Physiology</i> , 1997, 150, 251-258.	1.6	30
106	Proteomic identification of differentially expressed proteins in the anoxic rice coleoptile. <i>Journal of Plant Physiology</i> , 2011, 168, 2234-2243.	1.6	29
107	Ethanol production and toxicity in suspension-cultured carrot cells and embryos. <i>Planta</i> , 1988, 173, 322-329.	1.6	28
108	Physiological Responses of Cereal Seedlings to Ethanol. <i>Journal of Plant Physiology</i> , 1985, 119, 77-85.	1.6	27

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109	Pattern of Variations in Abscisic Acid Content in Suspensors, Embryos, and Integuments of Developing <i>Phaseolus coccineus</i> Seeds. <i>Plant Physiology</i> , 1990, 94, 1776-1780.	2.3	26
110	The slender Rice Mutant, with Constitutively Activated Gibberellin Signal Transduction, Has Enhanced Capacity for Abscisic Acid Level. <i>Plant and Cell Physiology</i> , 2002, 43, 974-979.	1.5	26
111	Quiescence in rice submergence tolerance: an evolutionary hypothesis. <i>Trends in Plant Science</i> , 2013, 18, 377-381.	4.3	26
112	A Synthetic Oxygen Sensor for Plants Based on Animal Hypoxia Signaling. <i>Plant Physiology</i> , 2019, 179, 986-1000.	2.3	26
113	HRE-Type Genes are Regulated by Growth-Related Changes in Internal Oxygen Concentrations During the Normal Development of Potato (<i>Solanum tuberosum</i>) Tubers. <i>Plant and Cell Physiology</i> , 2011, 52, 1957-1972.	1.5	25
114	Auxin is required for the long coleoptile trait in <i>japonica</i> rice under submergence. <i>New Phytologist</i> , 2021, 229, 85-93.	3.5	25
115	Carbohydrate-ethanol transition in cereal grains under anoxia. <i>New Phytologist</i> , 2001, 151, 607-612.	3.5	24
116	A Ratiometric Sensor Based on Plant N-Terminal Degrons Able to Report Oxygen Dynamics in <i>Saccharomyces cerevisiae</i> . <i>Journal of Molecular Biology</i> , 2019, 431, 2810-2820.	2.0	24
117	A monoclonal antibody for the detection of conjugated forms of abscisic acid in plant tissues. <i>Journal of Plant Growth Regulation</i> , 1990, 9, 1-6.	2.8	23
118	Jasmonate Signalling Contributes to Primary Root Inhibition Upon Oxygen Deficiency in <i>Arabidopsis thaliana</i> . <i>Plants</i> , 2020, 9, 1046.	1.6	23
119	The Oxidative Paradox in Low Oxygen Stress in Plants. <i>Antioxidants</i> , 2021, 10, 332.	2.2	23
120	Fruit Colour and Novel Mechanisms of Genetic Regulation of Pigment Production in Tomato Fruits. <i>Horticulturae</i> , 2021, 7, 259.	1.2	23
121	Ethanol metabolism in suspension cultured carrot cells. <i>Physiologia Plantarum</i> , 1991, 82, 103-108.	2.6	22
122	Â-Amylase Expression under Anoxia in Rice Seedlings: An Update. <i>Russian Journal of Plant Physiology</i> , 2003, 50, 737-743.	0.5	22
123	Differential expression of two fructokinases in <i>Oryza sativa</i> seedlings grown under aerobic and anaerobic conditions. <i>Journal of Plant Research</i> , 2006, 119, 351-356.	1.2	22
124	ARGONAUTE1 and ARGONAUTE4 Regulate Gene Expression and Hypoxia Tolerance. <i>Plant Physiology</i> , 2020, 182, 287-300.	2.3	22
125	Sucrose Synthesis in Cereal Grains under Oxygen Deprivation. <i>Journal of Plant Research</i> , 1999, 112, 353-359.	1.2	20
126	Gibberellins are not required for rice germination under anoxia. <i>Plant and Soil</i> , 2003, 253, 137-143.	1.8	20

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127	Functional Balancing of the Hypoxia Regulators RAP2.12 and HRA1 Takes Place in vivo in Arabidopsis thaliana Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 591.	1.7	20
128	Zinc Excess Induces a Hypoxia-Like Response by Inhibiting Cysteine Oxidases in Poplar Roots. <i>Plant Physiology</i> , 2019, 180, 1614-1628.	2.3	19
129	Exploring Legume-Rhizobia Symbiotic Models for Waterlogging Tolerance. <i>Frontiers in Plant Science</i> , 2019, 10, 578.	1.7	19
130	The calcineurin \hat{I}^2 -like interacting protein kinase CIPK25 regulates potassium homeostasis under low oxygen in Arabidopsis. <i>Journal of Experimental Botany</i> , 2020, 71, 2678-2689.	2.4	19
131	Glucose modulates the abscisic acid-inducible Rab16A gene in cereal embryos. <i>Plant Molecular Biology</i> , 2000, 42, 451-460.	2.0	18
132	Anthocyanin tomato mutants: Overview and characterization of an anthocyanin-less somaclonal mutant. <i>Plant Biosystems</i> , 2011, 145, 436-444.	0.8	18
133	GENOMIC APPROACHES TO UNVEIL THE PHYSIOLOGICAL PATHWAYS ACTIVATED IN ARABIDOPSIS TREATED WITH PLANT-DERIVED RAW EXTRACTS. <i>Acta Horticulturae</i> , 2013, , 161-174.	0.1	17
134	A calcineurin B-like protein participates in low oxygen signalling in rice. <i>Functional Plant Biology</i> , 2017, 44, 917.	1.1	17
135	Optimizing shelf life conditions for anthocyanin-rich tomatoes. <i>PLoS ONE</i> , 2018, 13, e0205650.	1.1	17
136	Alcohol dehydrogenase and hydrogenase transcript fluctuations during a day-night cycle in <i>Chlamydomonas reinhardtii</i> : the role of anoxia. <i>New Phytologist</i> , 2011, 190, 488-498.	3.5	16
137	Sucrose-Starch Conversion in Heterotrophic Tissues of Plants. <i>Critical Reviews in Plant Sciences</i> , 1999, 18, 489-525.	2.7	15
138	Effect of Leaf Senescence on Glyoxylate Cycle Enzyme Activities. <i>Functional Plant Biology</i> , 1992, 19, 723.	1.1	15
139	Level of Abscisic Acid in Integuments, Nucellus, Endosperm, and Embryo of Peach Seeds (<i>Prunus</i>) Tj ETQq1 1 0.784314 rgBT /Over 2.3 14	2.3	14
140	How plants sense low oxygen. <i>Plant Signaling and Behavior</i> , 2012, 7, 813-816.	1.2	14
141	Sucrose-Starch Conversion in Heterotrophic Tissues of Plants. <i>Critical Reviews in Plant Sciences</i> , 1999, 18, 489-525.	2.7	14
142	Similar and Yet Different: Oxygen Sensing in Animals and Plants. <i>Trends in Plant Science</i> , 2020, 25, 6-9.	4.3	13
143	An Improved HRPE-Based Transcriptional Output Reporter to Detect Hypoxia and Anoxia in Plant Tissue. <i>Biosensors</i> , 2020, 10, 197.	2.3	13
144	Artifactual detection of ADP-dependent sucrose synthase in crude plant extracts. <i>FEBS Letters</i> , 1992, 309, 283-287.	1.3	12

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145	Shrunken-1-encoded sucrose synthase is not required for the sucrose-ethanol transition in maize under anaerobic conditions. <i>Plant Science</i> , 1996, 119, 1-10.	1.7	12
146	Ethylene influences in vitro regeneration frequency in the FR13A rice harbouring the SUB1A gene. <i>Plant Growth Regulation</i> , 2014, 72, 97-103.	1.8	12
147	Repression of α -Amylase Activity by Anoxia in Grains of Barley is Independent of Ethanol Toxicity or Action of Abscisic Acid. <i>Plant Biology</i> , 2002, 4, 266-272.	1.8	11
148	Plant performance and food security in a wetter world. <i>New Phytologist</i> , 2021, 229, 5-7.	3.5	11
149	Mobile plant scv microRNAs allow communication within and between organisms. <i>New Phytologist</i> , 2022, 235, 2176-2182.	3.5	11
150	Abscisic Acid Levels during Early Seed Development in <i>Sechium edule</i> Sw. <i>Plant Physiology</i> , 1989, 91, 1351-1355.	2.3	10
151	Glucose repression of alpha-amylase in barley embryos is independent of GAMYB transcription. <i>Plant Molecular Biology</i> , 2000, 44, 85-90.	2.0	10
152	Nocturnal gibberellin biosynthesis is carbon dependent and adjusts leaf expansion rates to variable conditions. <i>Plant Physiology</i> , 2021, 185, 228-239.	2.3	10
153	Effect of anoxia on gibberellic acid-induced protease and α -amylase processing in barley seeds. <i>Journal of Plant Physiology</i> , 1998, 152, 44-50.	1.6	9
154	The rice <i>SUB1A</i> gene: Making adaptation to submergence and post-submergence possible. <i>Plant, Cell and Environment</i> , 2018, 41, 717-720.	2.8	8
155	Targeted knockout of the gene OshOL1 removes methyl iodide emissions from rice plants. <i>Scientific Reports</i> , 2021, 11, 17010.	1.6	8
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