Pierdomenico Perata

List of Publications by Year
in descending order

167 papers	14,015 citations	17405 63 h-index	22764 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. New Phytologist, 2013, 199, 639-649.	3.5	768
2	Sucrose-Specific Induction of the Anthocyanin Biosynthetic Pathway in Arabidopsis. Plant Physiology, 2006, 140, 637-646.	2.3	738
3	Oxygen sensing in plants is mediated by an N-end rule pathway for protein destabilization. Nature, 2011, 479, 419-422.	13.7	628
4	Making sense of low oxygen sensing. Trends in Plant Science, 2012, 17, 129-138.	4.3	465
5	HRE1 and HRE2, two hypoxia-inducible ethylene response factors, affect anaerobic responses in Arabidopsis thaliana. Plant Journal, 2010, 62, 302-315.	2.8	384
6	Gibberellins, jasmonate and abscisic acid modulate the sucroseâ€induced expression of anthocyanin biosynthetic genes in <i>Arabidopsis</i>. New Phytologist, 2008, 179, 1004-1016.	3.5	336
7	Plant responses to anaerobiosis. Plant Science, 1993, 93, 1-17.	1.7	307
8	Genomic and transcriptomic analysis of the AP2/ERF superfamily in Vitis vinifera. BMC Genomics, 2010, 11, 719.	1.2	307
9	Plant cysteine oxidases control the oxygen-dependent branch of the N-end-rule pathway. Nature Communications, 2014, 5, 3425.	5.8	293
10	Transcript Profiling of the Anoxic Rice Coleoptile. Plant Physiology, 2007, 144, 218-231.	2.3	287
11	A Genome-Wide Analysis of the Effects of Sucrose on Gene Expression in Arabidopsis Seedlings under Anoxia. Plant Physiology, 2005, 137, 1130-1138.	2.3	273
12	Plant responses to flooding stress. Current Opinion in Plant Biology, 2016, 33, 64-71.	3.5	254
13	Rice germination and seedling growth in the absence of oxygen. Annals of Botany, 2009, 103, 181-196.	1.4	238
14	Hormonal interplay during adventitious root formation in flooded tomato plants. Plant Journal, 2010, 63, 551-562.	2.8	237
15	The Heat-Inducible Transcription Factor <i>HsfA2</i> Enhances Anoxia Tolerance in Arabidopsis. Plant Physiology, 2010, 152, 1471-1483.	2.3	226
16	Effect of Anoxia on Carbohydrate Metabolism in Rice Seedlings. Plant Physiology, 1995, 108, 735-741.	2.3	203
17	New mechanistic links between sugar and hormone signalling networks. Current Opinion in Plant Biology, 2015, 25, 130-137.	3.5	179
18	Purple as a tomato: towards high anthocyanin tomatoes. Trends in Plant Science, 2009, 14, 237-241.	4.3	174

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19	Effect of anoxia on starch breakdown in rice and wheat seeds. Planta, 1992, 188, 611-8.	1.6	168
20	Amylolytic Activities in Cereal Seeds under Aerobic and Anaerobic Conditions. Plant Physiology, 1995, 109, 1069-1076.	2.3	164
21	Sugar Repression of a Gibberellin-Dependent Signaling Pathway in Barley Embryos.. Plant Cell, 1997, 9, 2197-2208.	3.1	162
22	Mobilization of Endosperm Reserves in Cereal Seeds under Anoxia. Annals of Botany, 1997, 79, 49-56.	1.4	157
23	Ethanol-Induced Injuries to Carrot Cells. Plant Physiology, 1991, 95, 748-752.	2.3	153
24	Physiological responses to MegafolÂ® treatments in tomato plants under drought stress: A phenomic and molecular approach. Scientia Horticulturae, 2014, 174, 185-192.	1.7	149
25	Plant neurobiology: no brain, no gain?. Trends in Plant Science, 2007, 12, 135-136.	4.3	146
26	Community recommendations on terminology and procedures used in flooding and low oxygen stress research. New Phytologist, 2017, 214, 1403-1407.	3.5	146
27	Conserved N-terminal cysteine dioxygenases transduce responses to hypoxia in animals and plants. Science, 2019, 365, 65-69.	6.0	146
28	Arabidopsis thaliana MYB75/PAP1 transcription factor induces anthocyanin production in transgenic tomato plants. Functional Plant Biology, 2008, 35, 606.	1.1	141
29	Ascophyllum nodosum Seaweed Extract Alleviates Drought Stress in Arabidopsis by Affecting Photosynthetic Performance and Related Gene Expression. Frontiers in Plant Science, 2017, 8, 1362.	1.7	137
30	Tomato R2R3-MYB Proteins SlANT1 and SlAN2: Same Protein Activity, Different Roles. PLoS ONE, 2015, 10, e0136365.	1.1	133
31	Submergence tolerance in rice requires Sub1A, an ethylene-response-factor-like gene. Trends in Plant Science, 2007, 12, 43-46.	4.3	131
32	Iodine biofortification of crops: agronomic biofortification, metabolic engineering and iodine bioavailability. Current Opinion in Biotechnology, 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. Plant Physiology, 2000, 124, 85-94.	2.3	117
34	Reactive Oxygen Species-Driven Transcription in Arabidopsis under Oxygen Deprivation Â. Plant Physiology, 2012, 159, 184-196.	2.3	117
35	Transcriptional analysis in high-anthocyanin tomatoes reveals synergistic effect of Aft and atv genes. Journal of Plant Physiology, 2011, 168, 270-279.	1.6	116
36	Identification of sugar-modulated genes and evidence for in vivo sugar sensing in Arabidopsis. Journal of Plant Research, 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. Molecular Plant, 2019, 12, 538-551.	3.9	105
38	ROS signaling as common element in low oxygen and heat stresses. Plant Physiology and Biochemistry, 2012, 59, 3-10.	2.8	100
39	A turanose-insensitive mutant suggests a role for WOX5 in auxin homeostasis in Arabidopsis thaliana. Plant Journal, 2005, 44, 633-645.	2.8	99
40	New insights into reactive oxygen species and nitric oxide signalling under low oxygen in plants. Plant, Cell and Environment, 2017, 40, 473-482.	2.8	99
41	Universal stress protein HRU1 mediates ROS homeostasis under anoxia. Nature Plants, 2015, 1, 15151.	4.7	96
42	Phenotiki: an open software and hardware platform for affordable and easy imageâ€based phenotyping of rosetteâ€shaped plants. Plant Journal, 2017, 90, 204-216.	2.8	96
43	Gene Regulation and Survival under Hypoxia Requires Starch Availability and Metabolism. Plant Physiology, 2018, 176, 1286-1298.	2.3	95
44	Tomato fruits: a good target for iodine biofortification. Frontiers in Plant Science, 2013, 4, 205.	1.7	94
45	Functional dissection of a sugar-repressed Î±-amylase gene (RAmy1A) promoter in rice embryos. FEBS Letters, 1998, 423, 81-85.	1.3	93
46	Glucose and Disaccharide-Sensing Mechanisms Modulate the Expression of Î±-amylase in Barley Embryos1. Plant Physiology, 2000, 123, 939-948.	2.3	92
47	Sugar sensing and Î±-amylase gene repression in rice embryos. Planta, 1998, 204, 420-428.	1.6	89
48	Effect of anoxia on the induction of ?-amylase in cereal seeds. Planta, 1993, 191, 402.	1.6	88
49	<i>SUB1A</i>â€dependent and â€independent mechanisms are involved in the flooding tolerance of wild rice species. Plant Journal, 2012, 72, 282-293.	2.8	88
50	Heat acclimation and crossâ€tolerance against anoxia in <i>Arabidopsis</i>. Plant, Cell and Environment, 2008, 31, 1029-1037.	2.8	87
51	Transcript profiling of chitosan-treated Arabidopsis seedlings. Journal of Plant Research, 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. Annals of Botany, 2011, 107, 1335-1343.	1.4	87
53	A Trihelix DNA Binding Protein Counterbalances Hypoxia-Responsive Transcriptional Activation in Arabidopsis. PLoS Biology, 2014, 12, e1001950.	2.6	86
54	Group VII Ethylene Response Factors in Arabidopsis: Regulation and Physiological Roles. Plant Physiology, 2018, 176, 1143-1155.	2.3	84

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

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73	The Use of Microarrays to Study the Anaerobic Response in Arabidopsis. Annals of Botany, 2005, 96, 661-668.	1.4	54
74	Monoclonal Antibody Recognition of Abscisic Acid Analogs. Plant Physiology, 1991, 95, 46-51.	2.3	52
75	Conservation of ethanol fermentation and its regulation in land plants. Journal of Experimental Botany, 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. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E694-E697.	1.8	49
77	Heterologous microarray experiments allow the identification of the early events associated with potato tuber cold sweetening. BMC Genomics, 2008, 9, 176.	1.2	47
78	Ageâ€dependent regulation of <scp>ERFâ€VII</scp> transcription factor activity in <i>Arabidopsis thaliana</i>. Plant, Cell and Environment, 2017, 40, 2333-2346.	2.8	47
79	Copper localization in Cannabis sativa L. grown in a copper-rich solution. Euphytica, 2004, 140, 33-38.	0.6	46
80	Arabidopsis phenotyping reveals the importance of alcohol dehydrogenase and pyruvate decarboxylase for aerobic plant growth. Scientific Reports, 2020, 10, 16669.	1.6	44
81	Evidences for a Nutritional Role of Iodine in Plants. Frontiers in Plant Science, 2021, 12, 616868.	1.7	44
82	Anaerobic carbohydrate metabolism in wheat and barley, two anoxia-intolerant cereal seeds. Journal of Experimental Botany, 1996, 47, 999-1006.	2.4	43
83	Sugar Repression of a Gibberellin-Dependent Signaling Pathway in Barley Embryos. Plant Cell, 1997, 9, 2197.	3.1	43
84	A reassessment of the role of sucrose synthase in the hypoxic sucroseâ€ethanol transition in <scp>A</scp>rabidopsis. Plant, Cell and Environment, 2014, 37, 2294-2302.	2.8	42
85	Differential submergence tolerance between juvenile and adult Arabidopsis plants involves the ANAC017 transcription factor. Plant Journal, 2020, 104, 979-994.	2.8	42
86	Influence of Ethanol on Plant Cells and Tissues. Journal of Plant Physiology, 1986, 126, 181-188.	1.6	41
87	Immunological Detection of Acetaldehyde-Protein Adducts in Ethanol-Treated Carrot Cells. Plant Physiology, 1992, 98, 913-918.	2.3	40
88	Sugar effects on early seedling development in Arabidopsis. Plant Growth Regulation, 2007, 52, 217-228.	1.8	40
89	Iodine Accumulation and Tolerance in Sweet Basil (Ocimum basilicum L.) With Green or Purple Leaves Grown in Floating System Technique. Frontiers in Plant Science, 2019, 10, 1494.	1.7	40
90	<i>Botrytis cinerea</i> induces local hypoxia in Arabidopsis leaves. New Phytologist, 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. Plant Biology, 2009, 11, 561-573.	1.8	39
92	Regulatory interplay of the Sub1A and CIPK15 pathways in the regulation of Î±â€amylase production in flooded rice plants. Plant Biology, 2011, 13, 611-619.	1.8	39
93	Expansin gene expression and anoxic coleoptile elongation in rice cultivars. Journal of Plant Physiology, 2009, 166, 1576-1580.	1.6	36
94	Dissection of coleoptile elongation in <i>japonica</i> rice under submergence through integrated genomeâ€wide association mapping and transcriptional analyses. Plant, Cell and Environment, 2019, 42, 1832-1846.	2.8	36
95	Anthocyanins from Purple Tomatoes as Novel Antioxidants to Promote Human Health. Antioxidants, 2020, 9, 1017.	2.2	35
96	Whatâ€™s behind Purple Tomatoes? Insight into the Mechanisms of Anthocyanin Synthesis in Tomato Fruits. Plant Physiology, 2020, 182, 1841-1853.	2.3	35
97	Misexpression of a Chloroplast Aspartyl Protease Leads to Severe Growth Defects and Alters Carbohydrate Metabolism in Arabidopsis Â Â. Plant Physiology, 2012, 160, 1237-1250.	2.3	34
98	Plant responses to flooding. Frontiers in Plant Science, 2014, 5, 226.	1.7	34
99	Transcriptome profiling of short-term response to chilling stress in tolerant and sensitive Oryza sativa ssp. Japonica seedlings. Functional and Integrative Genomics, 2018, 18, 627-644.	1.4	34
100	Effect of Iodine treatments on Ocimum basilicum L.: Biofortification, phenolics production and essential oil composition. PLoS ONE, 2019, 14, e0226559.	1.1	34
101	Ethylene Signaling Controls Fast Oxygen Sensing in Plants. Trends in Plant Science, 2020, 25, 3-6.	4.3	34
102	Metabolic engineering of the iodine content in Arabidopsis. Scientific Reports, 2012, 2, 338.	1.6	32
103	Characterization of isoforms of hexose kinases in rice embryo. Phytochemistry, 2000, 53, 195-200.	1.4	31
104	New Role for an Old Rule: Nâ€end Ruleâ€Mediated Degradation of Ethylene Responsive Factor Proteins Governs Low Oxygen Response in Plants^F. Journal of Integrative Plant Biology, 2013, 55, 31-39.	4.1	31
105	Effects of anoxia on sucrose degrading enzymes in cereal seeds. Journal of Plant Physiology, 1997, 150, 251-258.	1.6	30
106	Proteomic identification of differentially expressed proteins in the anoxic rice coleoptile. Journal of Plant Physiology, 2011, 168, 2234-2243.	1.6	29
107	Ethanol production and toxicity in suspension-cultured carrot cells and embryos. Planta, 1988, 173, 322-329.	1.6	28
108	Physiological Responses of Cereal Seedlings to Ethanol. Journal of Plant Physiology, 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 Phaseolus coccineus Seeds. Plant Physiology, 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. Plant and Cell Physiology, 2002, 43, 974-979.	1.5	26
111	Quiescence in rice submergence tolerance: an evolutionary hypothesis. Trends in Plant Science, 2013, 18, 377-381.	4.3	26
112	A Synthetic Oxygen Sensor for Plants Based on Animal Hypoxia Signaling. Plant Physiology, 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 (Solanum tuberosum) Tubers. Plant and Cell Physiology, 2011, 52, 1957-1972.	1.5	25
114	Auxin is required for the long coleoptile trait in <i>japonica</i> rice under submergence. New Phytologist, 2021, 229, 85-93.	3.5	25
115	Carbohydrateâ€“ethanol transition in cereal grains under anoxia. New Phytologist, 2001, 151, 607-612.	3.5	24
116	A Ratiometric Sensor Based on Plant N-Terminal Degrons Able to Report Oxygen Dynamics in Saccharomyces cerevisiae. Journal of Molecular Biology, 2019, 431, 2810-2820.	2.0	24
117	A monoclonal antibody for the detection of conjugated forms of abscisic acid in plant tissues. Journal of Plant Growth Regulation, 1990, 9, 1-6.	2.8	23
118	Jasmonate Signalling Contributes to Primary Root Inhibition Upon Oxygen Deficiency in Arabidopsis thaliana. Plants, 2020, 9, 1046.	1.6	23
119	The Oxidative Paradox in Low Oxygen Stress in Plants. Antioxidants, 2021, 10, 332.	2.2	23
120	Fruit Colour and Novel Mechanisms of Genetic Regulation of Pigment Production in Tomato Fruits. Horticulturae, 2021, 7, 259.	1.2	23
121	Ethanol metabolism in suspension cultured carrot cells. Physiologia Plantarum, 1991, 82, 103-108.	2.6	22
122	Â-Amylase Expression under Anoxia in Rice Seedlings: An Update. Russian Journal of Plant Physiology, 2003, 50, 737-743.	0.5	22
123	Differential expression of two fructokinases in Oryza sativa seedlings grown under aerobic and anaerobic conditions. Journal of Plant Research, 2006, 119, 351-356.	1.2	22
124	ARGONAUTE1 and ARGONAUTE4 Regulate Gene Expression and Hypoxia Tolerance. Plant Physiology, 2020, 182, 287-300.	2.3	22
125	Sucrose Synthesis in Cereal Grains under Oxygen Deprivation. Journal of Plant Research, 1999, 112, 353-359.	1.2	20
126	Gibberellins are not required for rice germination under anoxia. Plant and Soil, 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. Frontiers in Plant Science, 2017, 8, 591.	1.7	20
128	Zinc Excess Induces a Hypoxia-Like Response by Inhibiting Cysteine Oxidases in Poplar Roots. Plant Physiology, 2019, 180, 1614-1628.	2.3	19
129	Exploring Legume-Rhizobia Symbiotic Models for Waterlogging Tolerance. Frontiers in Plant Science, 2019, 10, 578.	1.7	19
130	The calcineurin Î²-like interacting protein kinase CIPK25 regulates potassium homeostasis under low oxygen in Arabidopsis. Journal of Experimental Botany, 2020, 71, 2678-2689.	2.4	19
131	Glucose modulates the abscisic acid-inducible Rab16A gene in cereal embryos. Plant Molecular Biology, 2000, 42, 451-460.	2.0	18
132	Anthocyanin tomato mutants: Overview and characterization of an anthocyanin-less somaclonal mutant. Plant Biosystems, 2011, 145, 436-444.	0.8	18
133	GENOMIC APPROACHES TO UNVEIL THE PHYSIOLOGICAL PATHWAYS ACTIVATED IN ARABIDOPSIS TREATED WITH PLANT-DERIVED RAW EXTRACTS. Acta Horticulturae, 2013, , 161-174.	0.1	17
134	A calcineurin B-like protein participates in low oxygen signalling in rice. Functional Plant Biology, 2017, 44, 917.	1.1	17
135	Optimizing shelf life conditions for anthocyanin-rich tomatoes. PLoS ONE, 2018, 13, e0205650.	1.1	17
136	Alcohol dehydrogenase and hydrogenase transcript fluctuations during a dayâ€“night cycle in <i>Chlamydomonas reinhardtii</i>: the role of anoxia. New Phytologist, 2011, 190, 488-498.	3.5	16
137	Sucrose-Starch Conversion in Heterotrophic Tissues of Plants. Critical Reviews in Plant Sciences, 1999, 18, 489-525.	2.7	15
138	Effect of Leaf Senescence on Glyoxylate Cycle Enzyme Activities. Functional Plant Biology, 1992, 19, 723.	1.1	15
139	Level of Abscisic Acid in Integuments, Nucellus, Endosperm, and Embryo of Peach Seeds (<i>Prunus) Tj ETQq1 1 0.784314 rgBT /Over	2.3	14
140	How plants sense low oxygen. Plant Signaling and Behavior, 2012, 7, 813-816.	1.2	14
141	Sucrose-Starch Conversion in Heterotrophic Tissues of Plants. , 0, .		14
142	Similar and Yet Different: Oxygen Sensing in Animals and Plants. Trends in Plant Science, 2020, 25, 6-9.	4.3	13
143	An Improved HRPE-Based Transcriptional Output Reporter to Detect Hypoxia and Anoxia in Plant Tissue. Biosensors, 2020, 10, 197.	2.3	13
144	Artifactual detection of ADP-dependent sucrose synthase in crude plant extracts. FEBS Letters, 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. Plant Science, 1996, 119, 1-10.	1.7	12
146	Ethylene influences in vitro regeneration frequency in the FR13A rice harbouring the SUB1A gene. Plant Growth Regulation, 2014, 72, 97-103.	1.8	12
147	Repression of Î±-Amylase Activity by Anoxia in Grains of Barley is Independent of Ethanol Toxicity or Action of Abscisic Acid. Plant Biology, 2002, 4, 266-272.	1.8	11
148	Plant performance and food security in a wetter world. New Phytologist, 2021, 229, 5-7.	3.5	11
149	Mobile plant <scp>microRNAs</scp> allow communication within and between organisms. New Phytologist, 2022, 235, 2176-2182.	3.5	11
150	Abscisic Acid Levels during Early Seed Development in <i>Sechium edule</i> Sw. Plant Physiology, 1989, 91, 1351-1355.	2.3	10
151	Glucose repression of alpha-amylase in barley embryos is independent of GAMYB transcription. Plant Molecular Biology, 2000, 44, 85-90.	2.0	10
152	Nocturnal gibberellin biosynthesis is carbon dependent and adjusts leaf expansion rates to variable conditions. Plant Physiology, 2021, 185, 228-239.	2.3	10
153	Effect of anoxia on gibberellic acid-induced protease and Î²-amylase processing in barley seeds. Journal of Plant Physiology, 1998, 152, 44-50.	1.6	9
154	The rice <i>SUB1A</i> gene: Making adaptation to submergence and postâ€submergence possible. Plant, Cell and Environment, 2018, 41, 717-720.	2.8	8
155	Targeted knockout of the gene OsHOL1 removes methyl iodide emissions from rice plants. Scientific Reports, 2021, 11, 17010.	1.6	8
156	Elicitors of defence responses repress a gibberellin signalling pathway in barley embryos. Journal of Plant Physiology, 2002, 159, 1383-1386.	1.6	7
157	RNAi Mediated Hypoxia Stress Tolerance in Plants. International Journal of Molecular Sciences, 2020, 21, 9394.	1.8	7
158	Identification of Grapevine Cultivar Biomarkers Using Surface-Enhanced Laser Desorption and Ionization (SELDI-TOF-MS). American Journal of Enology and Viticulture, 2010, 61, 492-497.	0.9	5
159	Bacterial Endophytes Contribute to Rice Seedling Establishment Under Submergence. Frontiers in Plant Science, 0, 13, .	1.7	5
160	Distinct Mechanisms Regulating Gene Expression Coexist within the Fermentative Pathways inChlamydomonas reinhardtii. Scientific World Journal, The, 2012, 2012, 1-9.	0.8	4
161	Biochemical and Molecular Aspects of Modified and Controlled Atmospheres. , 2009, , .		4
162	Distinct Profiles of ADP- and UDP-Specific Sucrose Synthases in Developing Rice Grains. Bioscience, Biotechnology and Biochemistry, 1992, 56, 695-696.	0.6	3

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163	Ethanol metabolism in suspension cultured carrot cells. Physiologia Plantarum, 1991, 82, 103-108.	2.6	1
164	Effect of anoxia on gibberellic acid-induced protease and Î²-amylase processing in barley seeds. Giornale Botanico Italiano (Florence, Italy: 1962), 1995, 129, 1134-1134.	0.0	0
165	Anoxia: The Role of Carbohydrates in Cereal Germination. , 2003, , 123-131.		0
166	Anoxia Effects on Plant Physiology. , 2004, , 1-3.		0
167	Transcriptional Regulation Under Low Oxygen Stress in Plants. Plant Cell Monographs, 2014, , 77-93.	0.4	0