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List of Publications by Year
in descending order

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67 papers	2,630 citations	159585 30 h-index	206112 48 g-index
67 all docs	67 docs citations	67 times ranked	2626 citing authors

#	Article	IF	Citations
1	<scp>TCP15</scp> interacts with <scp>GOLDEN2â€LIKE</scp> 1 to control cotyledon opening in Arabidopsis. Plant Journal, 2022, 110, 748-763.	5.7	13
2	Cytochrome c and the transcription factor ABI4 establish a molecular link between mitochondria and ABAâ€dependent seed germination. New Phytologist, 2022, 235, 1780-1795.	7.3	4
3	Class I TCP proteins TCP14 and TCP15 are required for elongation and gene expression responses to auxin. Plant Molecular Biology, 2021, 105, 147-159.	3.9	31
4	Cytochrome c Deficiency Differentially Affects the In Vivo Mitochondrial Electron Partitioning and Primary Metabolism Depending on the Photoperiod. Plants, 2021, 10, 444.	3.5	3
5	Arabidopsis thaliana TCP15 interacts with the MIXTA-like transcription factor MYB106/NOECK. Plant Signaling and Behavior, 2021, 16, 1938432.	2.4	7
6	Breaking boundaries: exploring shortâ€•and longâ€distance mitochondrial signalling in plants. New Phytologist, 2021, 232, 494-501.	7.3	8
7	Cross-talk between mitochondrial function, growth, and stress signalling pathways in plants. Journal of Experimental Botany, 2021, 72, 4102-4118.	4.8	20
8	The sunflower TLDc-containing protein HaOXR2 confers tolerance to oxidative stress and waterlogging when expressed in maize plants. Plant Science, 2020, 300, 110626.	3.6	8
9	Class I TCP transcription factors regulate trichome branching and cuticle development in Arabidopsis. Journal of Experimental Botany, 2020, 71, 5438-5453.	4.8	26
10	Arabidopsis thaliana SURFEIT1â€like genes link mitochondrial function to early plant development and hormonal growth responses. Plant Journal, 2020, 103, 690-704.	5.7	13
11	Class-I TCP Transcription Factors Activate the SAUR63 Gene Subfamily in Gibberellin-Dependent Stamen Filament Elongation. Plant Physiology, 2020, 182, 2096-2110.	4.8	42
12	Class I TCP Transcription Factors Target the Gibberellin Biosynthesis GeneGA20ox1and the Growth-Promoting GenesHBI1andPRE6during Thermomorphogenic Growth inArabidopsis. Plant and Cell Physiology, 2019, 60, 1633-1645.	3.1	49
13	The mitochondrial oxidation resistance protein AtOXR2 increases plant biomass and tolerance to oxidative stress. Journal of Experimental Botany, 2019, 70, 3177-3195.	4.8	14
14	The mitochondrial copper chaperone COX19 influences copper and iron homeostasis in arabidopsis. Plant Molecular Biology, 2019, 99, 621-638.	3.9	18
15	Arabidopsis SCO Proteins Oppositely Influence Cytochrome c Oxidase Levels and Gene Expression during Salinity Stress. Plant and Cell Physiology, 2019, 60, 2769-2784.	3.1	8
16	Interplay between cytochrome c and gibberellins during Arabidopsis vegetative development. Plant Journal, 2018, 94, 105-121.	5.7	17
17	The Complexity of Mitochondrial Complex IV: An Update of Cytochrome c Oxidase Biogenesis in Plants. International Journal of Molecular Sciences, 2018, 19, 662.	4.1	95
18	Class I and Class II TCP Transcription Factors Modulate SOC1-Dependent Flowering at Multiple Levels. Molecular Plant, 2017, 10, 1571-1574.	8.3	56

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19	Cytochrome c, a hub linking energy, redox, stress and signaling pathways in mitochondria and other cell compartments. Physiologia Plantarum, 2016, 157, 310-321.	5.2	37
20	The cytochrome c oxidase biogenesis factor AtCOX17 modulates stress responses in <scp>Arabidopsis</scp>. Plant, Cell and Environment, 2016, 39, 628-644.	5.7	32
21	Expression of a repressor form of the Arabidopsis thaliana transcription factor TCP16 induces the formation of ectopic meristems. Plant Physiology and Biochemistry, 2016, 108, 57-62.	5.8	13
22	D-Lactate dehydrogenase links methylglyoxal degradation and electron transport through cytochrome C. Plant Physiology, 2016, 172, pp.01174.2016.	4.8	42
23	Redox-Dependent Modulation of Anthocyanin Biosynthesis by the TCP Transcription Factor TCP15 during Exposure to High Light Intensity Conditions in Arabidopsis. Plant Physiology, 2016, 170, 74-85.	4.8	106
24	Methods to Study Transcription Factor Structure and Function. , 2016, , 13-33.		4
25	TCP15 modulates cytokinin and auxin responses during gynoecium development in Arabidopsis. Plant Journal, 2015, 84, 267-282.	5.7	116
26	AtCOX10, a protein involved in haemosynthesis during cytochromecoxidase biogenesis, is essential for plant embryogenesis and modulates the progression of senescence. Journal of Experimental Botany, 2015, 66, 6761-6775.	4.8	25
27	Divergent functions of the Arabidopsis mitochondrial SCO proteins: HCC1 is essential for COX activity while HCC2 is involved in the UV-B stress response. Frontiers in Plant Science, 2014, 5, 87.	3.6	24
28	Biogenesis of the oxidative phosphorylation machinery in plants. From gene expression to complex assembly. Frontiers in Plant Science, 2014, 5, 225.	3.6	5
29	Plant mitochondria under pathogen attack: A sigh of relief or a last breath?. Mitochondrion, 2014, 19, 238-244.	3.4	64
30	Mitochondria and copper homeostasis in plants. Mitochondrion, 2014, 19, 269-274.	3.4	47
31	Coordination of plant mitochondrial biogenesis: keeping pace with cellular requirements. Frontiers in Plant Science, 2014, 4, 551.	3.6	88
32	TCP transcription factors: architectures of plant form. Biomolecular Concepts, 2013, 4, 111-127.	2.2	166
33	Redox Modulation of Plant Developmental Regulators from the Class I TCP Transcription Factor Family Â Â. Plant Physiology, 2013, 162, 1434-1447.	4.8	70
34	The class I protein AtTCP15 modulates plant development through a pathway that overlaps with the one affected by CIN-like TCP proteins. Journal of Experimental Botany, 2012, 63, 809-823.	4.8	87
35	Determinants of the DNA Binding Specificity of Class I and Class II TCP Transcription Factors. Journal of Biological Chemistry, 2012, 287, 347-356.	3.4	54
36	Delta subclass HD-Zip proteins and a B-3 AP2/ERF transcription factor interact with promoter elements required for expression of the Arabidopsis cytochrome c oxidase 5b-1 gene. Plant Molecular Biology, 2012, 80, 157-167.	3.9	13

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37	Lack of cytochrome c in Arabidopsis decreases stability of Complex IV and modifies redox metabolism without affecting Complexes I and III. Biochimica Et Biophysica Acta - Bioenergetics, 2012, 1817, 990-1001.	1.0	50
38	The Arabidopsis class I TCP transcription factor AtTCP11 is a developmental regulator with distinct DNA-binding properties due to the presence of a threonine residue at position 15 of the TCP domain. Biochemical Journal, 2011, 435, 143-155.	3.7	78
39	Functional interconnections of Arabidopsis exon junction complex proteins and genes at multiple steps of gene expression. Journal of Experimental Botany, 2011, 62, 5025-5036.	4.8	24
40	Plants contain two SCO proteins that are differentially involved in cytochrome c oxidase function and copper and redox homeostasis. Journal of Experimental Botany, 2011, 62, 4281-4294.	4.8	49
41	A segment containing a G-box and an ACGT motif confers differential expression characteristics and responses to the Arabidopsis Cytc-2 gene, encoding an isoform of cytochrome c. Journal of Experimental Botany, 2009, 60, 829-845.	4.8	32
42	Divergent regulatory mechanisms in the response of respiratory chain component genes to carbohydrates suggests a model for gene evolution after duplication. Plant Signaling and Behavior, 2009, 4, 1179-1181.	2.4	6
43	Common Sets of Promoter Elements Determine the Expression Characteristics of Three Arabidopsis Genes Encoding Isoforms of Mitochondrial Cytochrome c Oxidase Subunit 6b. Plant and Cell Physiology, 2009, 50, 1393-1399.	3.1	14
44	Characterization of promoter elements required for expression and induction by sucrose of the Arabidopsis COX5b-1 nuclear gene, encoding the zinc-binding subunit of cytochrome c oxidase. Plant Molecular Biology, 2009, 69, 729-743.	3.9	21
45	Identification of regulatory elements involved in expression and induction by sucrose and UVâ€B light of the Arabidopsis thaliana COX5bâ€2 gene, encoding an isoform of cytochrome c oxidase subunit 5b. Physiologia Plantarum, 2009, 137, 213-224.	5.2	11
46	Binding properties of the complex formed by the Arabidopsis TALE homeodomain proteins STM and BLH3 to DNA containing single and double target sites. Biochimie, 2009, 91, 974-981.	2.6	15
47	Conserved homeodomain cysteines confer redox sensitivity and influence the DNA binding properties of plant class III HD-Zip proteins. Archives of Biochemistry and Biophysics, 2007, 467, 41-47.	3.0	25
48	Interaction of the PHD-Finger Homeodomain Protein HAT3.1 from Arabidopsis thaliana with DNA. Specific DNA Binding by a Homeodomain with Histidine at Position 51. Biochemistry, 2007, 46, 7416-7425.	2.5	13
49	The promoters of Arabidopsis thaliana genes AtCOX17-1 and -2, encoding a copper chaperone involved in cytochrome c oxidase biogenesis, are preferentially active in roots and anthers and induced by biotic and abiotic stress. Physiologia Plantarum, 2007, 129, 123-134.	5.2	34
50	Transcriptional coordination of the biogenesis of the oxidative phosphorylation machinery in plants. Plant Journal, 2007, 51, 105-116.	5.7	42
51	Characterization of Arabidopsis thaliana genes encoding functional homologues of the yeast metal chaperone Cox19p, involved in cytochrome c oxidase biogenesis. Plant Molecular Biology, 2007, 65, 343-355.	3.9	38
52	Overrepresentation of Elements Recognized by TCP-Domain Transcription Factors in the Upstream Regions of Nuclear Genes Encoding Components of the Mitochondrial Oxidative Phosphorylation Machinery. Plant Physiology, 2006, 141, 540-545.	4.8	81
53	Differential Expression of the Arabidopsis Cytochrome c Genes Cytc-1 and Cytc-2. Evidence for the Involvement of TCP-Domain Protein-Binding Elements in Anther- and Meristem-Specific Expression of the Cytc-1 Gene. Plant Physiology, 2005, 139, 88-100.	4.8	91
54	The leader intron of Arabidopsis thaliana genes encoding cytochrome c oxidase subunit 5c promotes high-level expression by increasing transcript abundance and translation efficiency. Journal of Experimental Botany, 2005, 56, 2563-2571.	4.8	51

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55	Structure of Homeodomain-Leucine Zipper/DNA Complexes Studied Using Hydroxyl Radical Cleavage of DNA and Methylation Interference. Biochemistry, 2005, 44, 16796-16803.	2.5	20
56	The promoter of the Arabidopsis nuclear gene COX5b-1, encoding subunit 5b of the mitochondrial cytochrome c oxidase, directs tissue-specific expression by a combination of positive and negative regulatory elements. Journal of Experimental Botany, 2004, 55, 1997-2004.	4.8	33
57	Nuclear and mitochondrial genes encoding cytochrome c oxidase subunits respond differently to the same metabolic factors. Plant Physiology and Biochemistry, 2003, 41, 689-693.	5.8	24
58	Genes encoding cytochrome c oxidase subunit 5c from sunflower (Helianthus annuus L.) are regulated by nitrate and oxygen availability. Plant Science, 2002, 163, 897-905.	3.6	10
59	Metabolic regulation of genes encoding cytochrome c and cytochrome c oxidase subunit Vb in Arabidopsis. Plant, Cell and Environment, 2002, 25, 1605-1615.	5.7	37
60	Cell-Type-Specific Expression of Plant Cytochrome cmRNA in Developing Flowers and Roots. Plant Physiology, 2001, 125, 1603-1610.	4.8	23
61	A monomerâ€“dimer equilibrium modulates the interaction of the sunflower homeodomain leucine-zipper protein Hahb-4 with DNA. Biochemical Journal, 1999, 341, 81-87.	3.7	68
62	A monomerâ€’dimer equilibrium modulates the interaction of the sunflower homeodomain leucine-zipper protein Hahb-4 with DNA. Biochemical Journal, 1999, 341, 81.	3.7	51
63	Homeoboxes in plant development. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1442, 1-19.	2.4	192
64	Carbohydrates modulate the expression of the sunflower cytochrome c gene at the mRNA level. Planta, 1998, 206, 410-415.	3.2	23
65	Expression of Sunflower Homeodomain Containing Proteins inEscherichia coli:Purification and Functional Studies. Protein Expression and Purification, 1998, 13, 97-103.	1.3	22
66	Expression of sunflower cytochrome c mRNA is tissue-specific and controlled by nitrate and light. Physiologia Plantarum, 1997, 99, 342-347.	5.2	11
67	Screening cDNA libraries by PCR using Î» sequencing primers and degenerate oligonucleotides. Trends in Genetics, 1993, 9, 231-232.	6.7	16