

Yee-yung Charng

List of Publications by Citations

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39
papers

3,179
citations

28
h-index

41
g-index

41
ext. papers

3,931
ext. citations

6.5
avg, IF

5.08
L-index

#	Paper	IF	Citations
39	A heat-inducible transcription factor, HsfA2, is required for extension of acquired thermotolerance in Arabidopsis. <i>Plant Physiology</i> , 2007 , 143, 251-62	6.6	393
38	Heterology expression of the Arabidopsis C-repeat/dehydration response element binding factor 1 gene confers elevated tolerance to chilling and oxidative stresses in transgenic tomato. <i>Plant Physiology</i> , 2002 , 129, 1086-94	6.6	363
37	Tomato plants ectopically expressing Arabidopsis CBF1 show enhanced resistance to water deficit stress. <i>Plant Physiology</i> , 2002 , 130, 618-26	6.6	345
36	The role of class A1 heat shock factors (HSFA1s) in response to heat and other stresses in Arabidopsis. <i>Plant, Cell and Environment</i> , 2011 , 34, 738-51	8.4	299
35	Arabidopsis Hsa32, a novel heat shock protein, is essential for acquired thermotolerance during long recovery after acclimation. <i>Plant Physiology</i> , 2006 , 140, 1297-305	6.6	208
34	Common and distinct functions of Arabidopsis class A1 and A2 heat shock factors in diverse abiotic stress responses and development. <i>Plant Physiology</i> , 2013 , 163, 276-90	6.6	125
33	Some like it hot, some like it warm: phenotyping to explore thermotolerance diversity. <i>Plant Science</i> , 2012 , 195, 10-23	5.3	113
32	Expression of Arabidopsis CBF1 regulated by an ABA/stress inducible promoter in transgenic tomato confers stress tolerance without affecting yield. <i>Plant, Cell and Environment</i> , 2003 , 26, 1181-1190	8.4	100
31	XRN4 and LARP1 are required for a heat-triggered mRNA decay pathway involved in plant acclimation and survival during thermal stress. <i>Cell Reports</i> , 2013 , 5, 1279-93	10.6	90
30	A positive feedback loop between HEAT SHOCK PROTEIN101 and HEAT STRESS-ASSOCIATED 32-KD PROTEIN modulates long-term acquired thermotolerance illustrating diverse heat stress responses in rice varieties. <i>Plant Physiology</i> , 2014 , 164, 2045-53	6.6	86
29	SUMOylome Profiling Reveals a Diverse Array of Nuclear Targets Modified by the SUMO Ligase SIZ1 during Heat Stress. <i>Plant Cell</i> , 2018 , 30, 1077-1099	11.6	81
28	The Cys-Arg/N-End Rule Pathway Is a General Sensor of Abiotic Stress in Flowering Plants. <i>Current Biology</i> , 2017 , 27, 3183-3190.e4	6.3	74
27	Temperature-induced lipocalin is required for basal and acquired thermotolerance in Arabidopsis. <i>Plant, Cell and Environment</i> , 2009 , 32, 917-27	8.4	67
26	Arabidopsis inositol pentakisphosphate 2-kinase, AtIPK1, is required for growth and modulates phosphate homeostasis at the transcriptional level. <i>Plant Journal</i> , 2014 , 80, 503-15	6.9	63
25	Interplay between heat shock proteins HSP101 and HSA32 prolongs heat acclimation memory posttranscriptionally in Arabidopsis. <i>Plant Physiology</i> , 2013 , 161, 2075-84	6.6	62
24	Transformation of broccoli (<i>Brassica oleracea</i> var. <i>italica</i>) with isopentenyltransferase gene via <i>Agrobacterium tumefaciens</i> for post-harvest yellowing retardation. <i>Molecular Breeding</i> , 2001 , 7, 243-257	3.4	60
23	Heat-induced ribosome pausing triggers mRNA co-translational decay in Arabidopsis thaliana. <i>Nucleic Acids Research</i> , 2015 , 43, 4121-32	20.1	57

22	Distinct heat shock factors and chromatin modifications mediate the organ-autonomous transcriptional memory of heat stress. <i>Plant Journal</i> , 2018 , 95, 401-413	6.9	55
21	Recent gene duplication and subfunctionalization produced a mitochondrial GrpE, the nucleotide exchange factor of the Hsp70 complex, specialized in thermotolerance to chronic heat stress in Arabidopsis. <i>Plant Physiology</i> , 2012 , 158, 747-58	6.6	54
20	Heat Shock Protein HSP101 Affects the Release of Ribosomal Protein mRNAs for Recovery after Heat Shock. <i>Plant Physiology</i> , 2017 , 174, 1216-1225	6.6	52
19	Acquired thermotolerance independent of heat shock factor A1 (HsfA1), the master regulator of the heat stress response. <i>Plant Signaling and Behavior</i> , 2012 , 7, 547-50	2.5	51
18	Analysis of an Arabidopsis heat-sensitive mutant reveals that chlorophyll synthase is involved in reutilization of chlorophyllide during chlorophyll turnover. <i>Plant Journal</i> , 2014 , 80, 14-26	6.9	48
17	Characterization of the kinetic, regulatory, and structural properties of ADP-glucose pyrophosphorylase from <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 1994 , 104, 1287-94	6.6	48
16	Isolation and characterization of tomato Hsa32 encoding a novel heat-shock protein. <i>Plant Science</i> , 2006 , 170, 976-985	5.3	45
15	Identification of a Chlorophyll Dephytylase Involved in Chlorophyll Turnover in Arabidopsis. <i>Plant Cell</i> , 2016 , 28, 2974-2990	11.6	43
14	Molecular cloning and expression of the gene encoding ADP-glucose pyrophosphorylase from the cyanobacterium <i>Anabaena</i> sp. strain PCC 7120. <i>Plant Molecular Biology</i> , 1992 , 20, 37-47	4.6	42
13	Differential expression of 1-aminocyclopropane-1-carboxylate synthase genes during orchid flower senescence induced by the protein phosphatase inhibitor okadaic acid. <i>Plant Physiology</i> , 2001 , 126, 253-60	6.6	29
12	Subcellular localization of 1-aminocyclopropane-1-carboxylic acid oxidase in apple fruit. <i>Plant and Cell Physiology</i> , 2002 , 43, 549-54	4.9	28
11	Site-directed mutagenesis of lysine382, the activator-binding site, of ADP-glucose pyrophosphorylase from <i>Anabaena</i> PCC 7120. <i>Biochemistry</i> , 1996 , 35, 3115-21	3.2	22
10	The catalytic mechanism of 1-aminocyclopropane-1-carboxylic acid oxidase. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 385, 179-85	4.1	15
9	Molecular Cloning and Sequencing of ADP-Glucose Pyrophosphorylase from <i>Synechocystis</i> PCC 6803. <i>Plant Physiology</i> , 1992 , 99, 359-61	6.6	15
8	Negative feedback regulation of system-1 ethylene production by the tomato 1-aminocyclopropane-1-carboxylate synthase 6 gene promoter. <i>Plant Science</i> , 2008 , 175, 149-160	5.3	12
7	Mutagenesis of an amino acid residue in the activator-binding site of cyanobacterial ADP-glucose pyrophosphorylase causes alteration in activator specificity. <i>Archives of Biochemistry and Biophysics</i> , 1995 , 318, 476-80	4.1	10
6	miR824/AGAMOUS-LIKE16 Module Integrates Recurring Environmental Heat Stress Changes to Fine-Tune Poststress Development. <i>Frontiers in Plant Science</i> , 2019 , 10, 1454	6.2	10
5	Ethylene biology: a foreword. <i>Plant Science</i> , 2008 , 175, 1	5.3	5

4	Chlorophyll dephytylation in chlorophyll metabolism: a simple reaction catalyzed by various enzymes. <i>Plant Science</i> , 2021 , 302, 110682	5.3	4
3	Structural analysis of the promoter of tomato 1-aminocyclopropane-1-carboxylate synthase 6 gene (Le-ACS6). <i>Science Bulletin</i> , 2007 , 52, 1217-1222		3
2	Supraoptimal activity of CHLOROPHYLL DEPHYTYLASE1 results in an increase in tocopherol level in mature arabidopsis seeds. <i>Plant Signaling and Behavior</i> , 2017 , 12, e1382797	2.5	1
1	Structure-Function Relationships of Adpglucose Pyrophosphorylase Regulatory Sites and in Vivo Evidence that Adpglucose is Synthesized Only in the Chloroplast Via Adpglucose Pyrophosphorylase 1992 , 697-700		1