Yee-yung Charng

List of Publications by Year in Descending Order

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	Chlorophyll dephytylation in chlorophyll metabolism: a simple reaction catalyzed by various enzymes. *Plant Science*, **2021**, 302, 110682	5.3	4
38	miR824/AGAMOUS-LIKE16 Module Integrates Recurring Environmental Heat Stress Changes to Fine-Tune Poststress Development. *Frontiers in Plant Science*, **2019**, 10, 1454	6.2	10
37	SUMOylome Profiling Reveals a Diverse Array of Nuclear Targets Modified by the SUMO Ligase SIZ1 during Heat Stress. *Plant Cell*, **2018**, 30, 1077-1099	11.6	81
36	Distinct heat shock factors and chromatin modifications mediate the organ-autonomous transcriptional memory of heat stress. *Plant Journal*, **2018**, 95, 401-413	6.9	55
35	Heat Shock Protein HSP101 Affects the Release of Ribosomal Protein mRNAs for Recovery after Heat Shock. *Plant Physiology*, **2017**, 174, 1216-1225	6.6	52
34	The Cys-Arg/N-End Rule Pathway Is a General Sensor of Abiotic Stress in Flowering Plants. *Current Biology*, **2017**, 27, 3183-3190.e4	6.3	74
33	Supraoptimal activity of CHLOROPHYLL DEPHYTYLASE1 results in an increase in tocopherol level in mature arabidopsis seeds. *Plant Signaling and Behavior*, **2017**, 12, e1382797	2.5	1
32	Identification of a Chlorophyll Dephytylase Involved in Chlorophyll Turnover in Arabidopsis. *Plant Cell*, **2016**, 28, 2974-2990	11.6	43
31	Heat-induced ribosome pausing triggers mRNA co-translational decay in Arabidopsis thaliana. *Nucleic Acids Research*, **2015**, 43, 4121-32	20.1	57
30	Arabidopsis inositol pentakisphosphate 2-kinase, AtIPK1, is required for growth and modulates phosphate homeostasis at the transcriptional level. *Plant Journal*, **2014**, 80, 503-15	6.9	63
29	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. *Plant Physiology*, **2014**, 164, 2045-53	6.6	86
28	Analysis of an Arabidopsis heat-sensitive mutant reveals that chlorophyll synthase is involved in reutilization of chlorophyllide during chlorophyll turnover. *Plant Journal*, **2014**, 80, 14-26	6.9	48
27	XRN4 and LARP1 are required for a heat-triggered mRNA decay pathway involved in plant acclimation and survival during thermal stress. *Cell Reports*, **2013**, 5, 1279-93	10.6	90
26	Interplay between heat shock proteins HSP101 and HSA32 prolongs heat acclimation memory posttranscriptionally in Arabidopsis. *Plant Physiology*, **2013**, 161, 2075-84	6.6	62
25	Common and distinct functions of Arabidopsis class A1 and A2 heat shock factors in diverse abiotic stress responses and development. *Plant Physiology*, **2013**, 163, 276-90	6.6	125
24	Some like it hot, some like it warm: phenotyping to explore thermotolerance diversity. *Plant Science*, **2012**, 195, 10-23	5.3	113
23	Acquired thermotolerance independent of heat shock factor A1 (HsfA1), the master regulator of the heat stress response. *Plant Signaling and Behavior*, **2012**, 7, 547-50	2.5	51

22	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. *Plant Physiology*, **2012**, 158, 747-58	6.6	54
21	The role of class A1 heat shock factors (HSFA1s) in response to heat and other stresses in Arabidopsis. *Plant, Cell and Environment*, **2011**, 34, 738-51	8.4	299
20	Temperature-induced lipocalin is required for basal and acquired thermotolerance in Arabidopsis. *Plant, Cell and Environment*, **2009**, 32, 917-27	8.4	67
19	Negative feedback regulation of system-1 ethylene production by the tomato 1-aminocyclopropane-1-carboxylate synthase 6 gene promoter. *Plant Science*, **2008**, 175, 149-160	5.3	12
18	Ethylene biology: a foreword. *Plant Science*, **2008**, 175, 1	5.3	5
17	Structural analysis of the promoter of tomato 1-aminocyclopropane-1-carboxylate synthase 6 gene (Le-ACS6). *Science Bulletin*, **2007**, 52, 1217-1222		3
16	A heat-inducible transcription factor, HsfA2, is required for extension of acquired thermotolerance in Arabidopsis. *Plant Physiology*, **2007**, 143, 251-62	6.6	393
15	Arabidopsis Hsa32, a novel heat shock protein, is essential for acquired thermotolerance during long recovery after acclimation. *Plant Physiology*, **2006**, 140, 1297-305	6.6	208
14	Isolation and characterization of tomato Hsa32 encoding a novel heat-shock protein. *Plant Science*, **2006**, 170, 976-985	5.3	45
13	Expression of Arabidopsis CBF1 regulated by an ABA/stress inducible promoter in transgenic tomato confers stress tolerance without affecting yield. *Plant, Cell and Environment*, **2003**, 26, 1181-1190	8.4	100
12	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. *Plant Physiology*, **2002**, 129, 1086-94	6.6	363
11	Tomato plants ectopically expressing Arabidopsis CBF1 show enhanced resistance to water deficit stress. *Plant Physiology*, **2002**, 130, 618-26	6.6	345
10	Subcellular localization of 1-aminocyclopropane-1-carboxylic acid oxidase in apple fruit. *Plant and Cell Physiology*, **2002**, 43, 549-54	4.9	28
9	Transformation of broccoli (Brassica oleracea var. italica) with isopentenyltransferase gene via Agrobacterium tumefaciens for post-harvest yellowing retardation. *Molecular Breeding*, **2001**, 7, 243-257	2.4	60
8	Differential expression of 1-aminocyclopropane-1-carboxylate synthase genes during orchid flower senescence induced by the protein phosphatase inhibitor okadaic acid. *Plant Physiology*, **2001**, 126, 253-60	6.6	29
7	The catalytic mechanism of 1-aminocyclopropane-1-carboxylic acid oxidase. *Archives of Biochemistry and Biophysics*, **2001**, 385, 179-85	4.1	15
6	Site-directed mutagenesis of lysine382, the activator-binding site, of ADP-glucose pyrophosphorylase from Anabaena PCC 7120. *Biochemistry*, **1996**, 35, 3115-21	3.2	22
5	Mutagenesis of an amino acid residue in the activator-binding site of cyanobacterial ADP-glucose pyrophosphorylase causes alteration in activator specificity. *Archives of Biochemistry and Biophysics*, **1995**, 318, 476-80	4.1	10

4	Characterization of the kinetic, regulatory, and structural properties of ADP-glucose pyrophosphorylase from Chlamydomonas reinhardtii. *Plant Physiology*, **1994**, 104, 1287-94	6.6	48
3	Molecular cloning and expression of the gene encoding ADP-glucose pyrophosphorylase from the cyanobacterium Anabaena sp. strain PCC 7120. *Plant Molecular Biology*, **1992**, 20, 37-47	4.6	42
2	Molecular Cloning and Sequencing of ADP-Glucose Pyrophosphorylase from Synechocystis PCC 6803. *Plant Physiology*, **1992**, 99, 359-61	6.6	15
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