

# Tong Chen

## List of Publications by Year in descending order

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60  
papers

2,894  
citations

159358

30  
h-index

174990

52  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3024  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated CO <sub>2</sub> induces physiological, biochemical and structural changes in leaves of <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2006, 172, 92-103.	3.5	302
2	A Membrane Microdomain-Associated Protein, <i>Arabidopsis</i> Flot1, Is Involved in a Clathrin-Independent Endocytic Pathway and Is Required for Seedling Development. <i>Plant Cell</i> , 2012, 24, 2105-2122.	3.1	200
3	Clathrin and Membrane Microdomains Cooperatively Regulate RbohD Dynamics and Activity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 1729-1745.	3.1	182
4	Spatiotemporal Dynamics of the BRI1 Receptor and its Regulation by Membrane Microdomains in Living <i>Arabidopsis</i> Cells. <i>Molecular Plant</i> , 2015, 8, 1334-1349.	3.9	131
5	Inhibitory effects of methyl thujate on mycelial growth of <i>Botrytis cinerea</i> and possible mechanisms. <i>Postharvest Biology and Technology</i> , 2018, 142, 46-54.	2.9	100
6	Casparian strip development and its potential function in salt tolerance. <i>Plant Signaling and Behavior</i> , 2011, 6, 1499-1502.	1.2	98
7	Disruption of Actin Filaments by Latrunculin B Affects Cell Wall Construction in <i>Picea meyeri</i> Pollen Tube by Disturbing Vesicle Trafficking. <i>Plant and Cell Physiology</i> , 2007, 48, 19-30.	1.5	93
8	Production, Signaling, and Scavenging Mechanisms of Reactive Oxygen Species in Fruit-Pathogen Interactions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2994.	1.8	90
9	Nitric oxide modulates the influx of extracellular Ca <sup>2+</sup> and actin filament organization during cell wall construction in <i>Pinus bungeana</i> pollen tubes. <i>New Phytologist</i> , 2009, 182, 851-862.	3.5	82
10	Actin Turnover Is Required for Myosin-Dependent Mitochondrial Movements in <i>Arabidopsis</i> Root Hairs. <i>PLoS ONE</i> , 2009, 4, e5961.	1.1	78
11	Regulatory network of fruit ripening: current understanding and future challenges. <i>New Phytologist</i> , 2020, 228, 1219-1226.	3.5	75
12	The regulation of cambial activity in Chinese fir ( <i> Cunninghamia</i> ). <i>Overlook 10</i> 302	3.5	69
13	Differential display proteomic analysis of <i>Picea meyeri</i> pollen germination and pollen-tube growth after inhibition of actin polymerization by latrunculin B. <i>Plant Journal</i> , 2006, 47, 174-195.	2.8	68
14	Molecular basis and regulation of pathogenicity and patulin biosynthesis in <i>Penicillium expansum</i> . <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 3416-3438.	5.9	66
15	Synergistic action of antioxidative systems contributes to the alleviation of senescence in kiwifruit. <i>Postharvest Biology and Technology</i> , 2016, 111, 15-24.	2.9	63
16	Reactive oxygen species: A generalist in regulating development and pathogenicity of phytopathogenic fungi. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 3344-3349.	1.9	62
17	Antifungal effects of hinokitiol on development of <i>Botrytis cinerea</i> in vitro and in vivo. <i>Postharvest Biology and Technology</i> , 2020, 159, 111038.	2.9	58
18	Combined Proteomic and Cytological Analysis of Ca <sup>2+</sup> -Calmodulin Regulation in <i>Picea meyeri</i> Pollen Tube Growth. <i>Plant Physiology</i> , 2009, 149, 1111-1126.	2.3	55

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19	Enhancement of biocontrol efficacy of <i>Cryptococcus laurentii</i> by cinnamic acid against <i>Penicillium italicum</i> in citrus fruit. <i>Postharvest Biology and Technology</i> , 2019, 149, 42-49.	2.9	51
20	Advances and Strategies for Controlling the Quality and Safety of Postharvest Fruit. <i>Engineering</i> , 2021, 7, 1177-1184.	3.2	51
21	p-Coumaric acid induces antioxidant capacity and defense responses of sweet cherry fruit to fungal pathogens. <i>Postharvest Biology and Technology</i> , 2020, 169, 111297.	2.9	42
22	Efficacy of rapamycin in modulating autophagic activity of <i>Botrytis cinerea</i> for controlling gray mold. <i>Postharvest Biology and Technology</i> , 2019, 150, 158-165.	2.9	41
23	Luteolin-induced activation of the phenylpropanoid metabolic pathway contributes to quality maintenance and disease resistance of sweet cherry. <i>Food Chemistry</i> , 2021, 342, 128309.	4.2	38
24	Efficacy of methyl thujate in inhibiting <i>Penicillium expansum</i> growth and possible mechanism involved. <i>Postharvest Biology and Technology</i> , 2020, 161, 111070.	2.9	37
25	Molecular basis of pathogenesis of postharvest pathogenic Fungi and control strategy in fruits: progress and prospect. <i>Molecular Horticulture</i> , 2021, 1, .	2.3	37
26	Integrative Proteomic and Cytological Analysis of the Effects of Extracellular Ca <sup>2+</sup> Influx on <i>Pinus bungeana</i> Pollen Tube Development. <i>Journal of Proteome Research</i> , 2008, 7, 4299-4312.	1.8	34
27	Î <sup>3</sup> -Aminobutyric acid (GABA) homeostasis regulates pollen germination and polarized growth in <i>Picea wilsonii</i> . <i>Planta</i> , 2013, 238, 831-843.	1.6	34
28	Honokiol suppresses mycelial growth and reduces virulence of <i>Botrytis cinerea</i> by inducing autophagic activities and apoptosis. <i>Food Microbiology</i> , 2020, 88, 103411.	2.1	34
29	SIREM1 Triggers Cell Death by Activating an Oxidative Burst and Other Regulators. <i>Plant Physiology</i> , 2020, 183, 717-732.	2.3	34
30	Development of Casparian strip in rice cultivars. <i>Plant Signaling and Behavior</i> , 2011, 6, 59-65.	1.2	32
31	Phosphorylation and ubiquitination of dynamin-related proteins (AtDRP3A/3B) synergically regulate mitochondrial proliferation during mitosis. <i>Plant Journal</i> , 2012, 72, 43-56.	2.8	32
32	Magnolol inhibits gray mold on postharvest fruit by inducing autophagic activity of <i>Botrytis cinerea</i> . <i>Postharvest Biology and Technology</i> , 2021, 180, 111596.	2.9	32
33	The mode of action of remorin1 in regulating fruit ripening at transcriptional and post-transcriptional levels. <i>New Phytologist</i> , 2018, 219, 1406-1420.	3.5	30
34	Metabolic Dynamics During Loquat Fruit Ripening and Postharvest Technologies. <i>Frontiers in Plant Science</i> , 2019, 10, 619.	1.7	30
35	Molecular mechanisms underlying multi-level defense responses of horticultural crops to fungal pathogens. <i>Horticulture Research</i> , 2022, 9, uhac066.	2.9	29
36	Mutation in SUMO E3 ligase, SIZ1, Disrupts the Mature Female Gametophyte in <i>Arabidopsis</i> . <i>PLoS ONE</i> , 2012, 7, e29470.	1.1	28

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37	Ubiquitination of phytoene synthase 1 precursor modulates carotenoid biosynthesis in tomato. <i>Communications Biology</i> , 2020, 3, 730.	2.0	26
38	2, 6-dichlorobenzonitrile Causes Multiple Effects on Pollen Tube Growth beyond Altering Cellulose Synthesis in <i>Pinus bungeana</i> Zucc. <i>PLoS ONE</i> , 2013, 8, e76660.	1.1	25
39	Versatile Roles of the Receptor-Like Kinase Feronia in Plant Growth, Development and Host-Pathogen Interaction. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7881.	1.8	25
40	Roles of Aquaporins in Plant-Pathogen Interaction. <i>Plants</i> , 2020, 9, 1134.	1.6	25
41	Molecular basis for optimizing sugar metabolism and transport during fruit development. <i>ABIOTECH</i> , 2021, 2, 330-340.	1.8	25
42	Anatomical and chemical characteristics of foliar vascular bundles in four reed ecotypes adapted to different habitats. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2006, 201, 555-569.	0.6	24
43	Abnormalities in pistil development result in low seed set in <i>Leymus chinensis</i> (Poaceae). <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2006, 201, 658-667.	0.6	24
44	The speed of mitochondrial movement is regulated by the cytoskeleton and myosin in <i>Picea wilsonii</i> pollen tubes. <i>Planta</i> , 2010, 231, 779-791.	1.6	23
45	Administration of dietary recombinant hepcidin on grass carp ( <i>Ctenopharyngodon idella</i> ) against <i>Flavobacterium columnare</i> infection under cage aquaculture conditions. <i>Fish and Shellfish Immunology</i> , 2020, 99, 27-34.	1.6	22
46	Application and mechanism of benzyl-isothiocyanate, a natural antimicrobial agent from cruciferous vegetables, in controlling postharvest decay of strawberry. <i>Postharvest Biology and Technology</i> , 2021, 180, 111604.	2.9	22
47	SIFERL Interacts with S-Adenosylmethionine Synthetase to Regulate Fruit Ripening. <i>Plant Physiology</i> , 2020, 184, 2168-2181.	2.3	19
48	Efficacy of ABA-Mimicking Ligands in Controlling Water Loss and Maintaining Antioxidative Capacity of <i>Spinacia oleracea</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 13397-13404.	2.4	16
49	Variable-angle epifluorescence microscopy characterizes protein dynamics in the vicinity of plasma membrane in plant cells. <i>BMC Plant Biology</i> , 2018, 18, 43.	1.6	13
50	Net sodium fluxes change significantly at anatomically distinct root zones of rice ( <i>Oryza sativa</i> L.) seedlings. <i>Journal of Plant Physiology</i> , 2011, 168, 1249-1255.	1.6	11
51	Exogenous bamboo pyroligneous acid improves antioxidant capacity and primes defense responses of harvested apple fruit. <i>LWT - Food Science and Technology</i> , 2020, 134, 110191.	2.5	11
52	Probing and tracking organelles in living plant cells. <i>Protoplasma</i> , 2012, 249, 157-167.	1.0	10
53	Inhibition of Apoplastic Calmodulin Impairs Calcium Homeostasis and Cell Wall Modeling during <i>Cedrus deodara</i> Pollen Tube Growth. <i>PLoS ONE</i> , 2013, 8, e55411.	1.1	9
54	An evaluation for cross-species proteomics research by publicly available expressed sequence tag database search using tandem mass spectral data. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2635-2640.	0.7	8

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55	Sodium pyrosulfite inhibits the pathogenicity of <i>Botrytis cinerea</i> by interfering with antioxidant system and sulfur metabolism pathway. <i>Postharvest Biology and Technology</i> , 2022, 189, 111936.	2.9	8
56	Protein sulfenylation contributes to oxidative burst-triggered responses during the interaction between <i>Botrytis cinerea</i> and <i>Nicotiana benthamiana</i> . <i>Journal of Proteomics</i> , 2022, 251, 104423.	1.2	6
57	Spatiotemporal dynamics of FERONIA reveal alternative endocytic pathways in response to flg22 elicitor stimuli. <i>New Phytologist</i> , 2022, 235, 518-532.	3.5	6
58	Efficacy of commercial polyvalent avian infectious bronchitis vaccines against Chinese QX-like and TW-like strain via different vaccination strategies. <i>Poultry Science</i> , 2020, 99, 4786-4794.	1.5	5
59	Increasing the Storability of Fresh-Cut Green Beans by Using Chitosan as a Carrier for Tea Tree and Peppermint Essential Oils and Ascorbic Acid. <i>Plants</i> , 2022, 11, 783.	1.6	5
60	High-efficiency somatic embryogenesis and morphohistology and histochemistry of somatic embryo development in <i>Larix leptolepis</i> Gordon. <i>Forestry Studies in China</i> , 2007, 9, 182-188.	0.4	3