Li Li

List of Publications by Citations

84 papers	5,406 citations	38 h-index	73 g-index
91 ext. papers	6,703 ext. citations	6.4 avg, IF	5.89 L-index

#	Paper	IF	Citations
84	Carotenoid metabolism in plants. *Molecular Plant*, **2015**, 8, 68-82	14.4	578
83	The cauliflower Or gene encodes a DnaJ cysteine-rich domain-containing protein that mediates high levels of beta-carotene accumulation. *Plant Cell*, **2006**, 18, 3594-605	11.6	392
82	Overexpression of polyphenol oxidase in transgenic tomato plants results in enhanced bacterial disease resistance. *Planta*, **2002**, 215, 239-47	4.7	379
81	Carotenoid Metabolism in Plants: The Role of Plastids. *Molecular Plant*, **2018**, 11, 58-74	14.4	251
80	Carotenoid metabolism and regulation in horticultural crops. *Horticulture Research*, **2015**, 2, 15036	7.7	236
79	Carotenoid metabolism: biosynthesis, regulation, and beyond. *Journal of Integrative Plant Biology*, **2008**, 50, 778-85	8.3	192
78	A novel gene mutation that confers abnormal patterns of beta-carotene accumulation in cauliflower (Brassica oleracea var. botrytis). *Plant Journal*, **2001**, 26, 59-67	6.9	192
77	The purple cauliflower arises from activation of a MYB transcription factor. *Plant Physiology*, **2010**, 154, 1470-80	6.6	184
76	Effect of the cauliflower Or transgene on carotenoid accumulation and chromoplast formation in transgenic potato tubers. *Journal of Experimental Botany*, **2008**, 59, 213-23	7	184
75	Arabidopsis OR proteins are the major posttranscriptional regulators of phytoene synthase in controlling carotenoid biosynthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3558-63	11.5	170
74	Chromoplast biogenesis and carotenoid accumulation. *Archives of Biochemistry and Biophysics*, **2013** , 539, 102-9	4.1	147
73	Molecular and biochemical characterization of the selenocysteine Se-methyltransferase gene and Se-methylselenocysteine synthesis in broccoli. *Plant Physiology*, **2005**, 138, 409-20	6.6	123
72	Transcriptional regulation of anthocyanin biosynthesis in red cabbage. *Planta*, **2009**, 230, 1141-53	4.7	115
71	A SgoldenSSNP in CmOr governs the fruit flesh color of melon (Cucumis melo). *Plant Journal*, **2015**, 82, 267-79	6.9	106
70	The Or gene enhances carotenoid accumulation and stability during post-harvest storage of potato tubers. *Molecular Plant*, **2012**, 5, 339-52	14.4	100
69	Metabolic engineering of carotenoid accumulation by creating a metabolic sink. *Transgenic Research*, **2007**, 16, 581-5	3.3	95
68	Evaluation of different multidimensional LC-MS/MS pipelines for isobaric tags for relative and absolute quantitation (iTRAQ)-based proteomic analysis of potato tubers in response to cold storage. *Journal of Proteome Research*, **2011**, 10, 4647-60	5.6	93

67	A Tomato Vacuolar Invertase Inhibitor Mediates Sucrose Metabolism and Influences Fruit Ripening. *Plant Physiology*, **2016**, 172, 1596-1611	6.6	91
66	Impact of selenium supply on Se-methylselenocysteine and glucosinolate accumulation in selenium-biofortified Brassica sprouts. *Food Chemistry*, **2014**, 165, 578-86	8.5	89
65	Development of an integrated approach for evaluation of 2-D gel image analysis: impact of multiple proteins in single spots on comparative proteomics in conventional 2-D gel/MALDI workflow. *Electrophoresis*, **2007**, 28, 2080-94	3.6	75
64	Proteomic analysis of chromoplasts from six crop species reveals insights into chromoplast function and development. *Journal of Experimental Botany*, **2013**, 64, 949-61	7	73
63	Distinct Mechanisms of the ORANGE Protein in Controlling Carotenoid Flux. *Plant Physiology*, **2017**, 173, 376-389	6.6	69
62	Clp Protease and OR Directly Control the Proteostasis of Phytoene Synthase, the Crucial Enzyme for Carotenoid Biosynthesis in Arabidopsis. *Molecular Plant*, **2018**, 11, 149-162	14.4	68
61	A Single Amino Acid Substitution in an ORANGE Protein Promotes Carotenoid Overaccumulation in Arabidopsis. *Plant Physiology*, **2015**, 169, 421-31	6.6	64
60	Selenium accumulation in lettuce germplasm. *Planta*, **2011**, 233, 649-60	4.7	64
59	Subfunctionalization of the Ruby2-Ruby1 gene cluster during the domestication of citrus. *Nature Plants*, **2018**, 4, 930-941	11.5	61
58	The maize glossy13 gene, cloned via BSR-Seq and Seq-walking encodes a putative ABC transporter required for the normal accumulation of epicuticular waxes. *PLoS ONE*, **2013**, 8, e82333	3.7	54
57	Characterization of the regulatory network of BoMYB2 in controlling anthocyanin biosynthesis in purple cauliflower. *Planta*, **2012**, 236, 1153-64	4.7	51
56	Plastid ribosomal protein S5 is involved in photosynthesis, plant development, and cold stress tolerance in Arabidopsis. *Journal of Experimental Botany*, **2016**, 67, 2731-44	7	50
55	Selenium promotes sulfur accumulation and plant growth in wheat (Triticum aestivum). *Physiologia Plantarum*, **2016**, 158, 80-91	4.6	49
54	Ectopic expression of ORANGE promotes carotenoid accumulation and fruit development in tomato. *Plant Biotechnology Journal*, **2019**, 17, 33-49	11.6	46
53	Assessment of the anticancer compounds Se-methylselenocysteine and glucosinolates in Se-biofortified broccoli (Brassica oleracea L. var. italica) sprouts and florets. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 6216-23	5.7	46
52	Evaluation of genotypic variation of broccoli (Brassica oleracea var. italic) in response to selenium treatment. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 3657-65	5.7	45
51	Regulatory control of high levels of carotenoid accumulation in potato tubers. *Plant, Cell and Environment*, **2011**, 34, 1020-1030	8.4	45
50	beta-Carotene accumulation induced by the cauliflower Or gene is not due to an increased capacity of biosynthesis. *Phytochemistry*, **2006**, 67, 1177-84	4	45

49	Phytoene desaturase is present in a large protein complex in the plastid membrane. *Physiologia Plantarum*, **2008**, 133, 190-8	4.6	43
48	Biochemical and molecular characterization of the homocysteine S-methyltransferase from broccoli (Brassica oleracea var. italica). *Phytochemistry*, **2007**, 68, 1112-9	4	39
47	Effects of Selenium Supplementation on Glucosinolate Biosynthesis in Broccoli. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 8036-8044	5.7	38
46	Toward the GoldenSera: The status in uncovering the regulatory control of carotenoid accumulation in plants. *Plant Science*, **2020**, 290, 110331	5.3	38
45	Interference with Clp protease impairs carotenoid accumulation during tomato fruit ripening. *Journal of Experimental Botany*, **2018**, 69, 1557-1568	7	36
44	A bulk segregant transcriptome analysis reveals metabolic and cellular processes associated with Orange allelic variation and fruit β-carotene accumulation in melon fruit. *BMC Plant Biology*, **2015**, 15, 274	5.3	35
43	Genome-Wide Linkage-Disequilibrium Mapping to the Candidate Gene Level in Melon (Cucumis melo). *Scientific Reports*, **2017**, 7, 9770	4.9	34
42	The cauliflower Orange gene enhances petiole elongation by suppressing expression of eukaryotic release factor 1. *New Phytologist*, **2011**, 190, 89-100	9.8	31
41	Molecular characterization and transcriptome analysis of orange head Chinese cabbage (Brassica rapa L. ssp. pekinensis). *Planta*, **2015**, 241, 1381-94	4.7	30
40	ORANGE Represses Chloroplast Biogenesis in Etiolated Arabidopsis Cotyledons via Interaction with TCP14. *Plant Cell*, **2019**, 31, 2996-3014	11.6	29
39	Regulatory control of carotenoid accumulation in winter squash during storage. *Planta*, **2014**, 240, 1063-74	4.7	28
38	A Neighboring Aromatic-Aromatic Amino Acid Combination Governs Activity Divergence between Tomato Phytoene Synthases. *Plant Physiology*, **2019**, 180, 1988-2003	6.6	26
37	Selenium-Induced Toxicity Is Counteracted by Sulfur in Broccoli (L. var.). *Frontiers in Plant Science*, **2017**, 8, 1425	6.2	25
36	Fine mapping and identification of candidate Br-or gene controlling orange head of Chinese cabbage (Brassica rapa L. ssp. pekinensis). *Molecular Breeding*, **2013**, 32, 799-805	3.4	24
35	Plant Synthetic Metabolic Engineering for Enhancing Crop Nutritional Quality. *Plant Communications*, **2020**, 1, 100017	9	23
34	Plastids and Carotenoid Accumulation. *Sub-Cellular Biochemistry*, **2016**, 79, 273-93	5.5	23
33	Genotypic variation of zinc and selenium concentration in grains of Brazilian wheat lines. *Plant Science*, **2014**, 224, 27-35	5.3	22
32	Involvement of a broccoli COQ5 methyltransferase in the production of volatile selenium compounds. *Plant Physiology*, **2009**, 151, 528-40	6.6	20

31	Use of the cauliflower Or gene for improving crop nutritional quality. *Biotechnology Annual Review*, **2008**, 14, 171-90		19
30	Zinc and selenium accumulation and their effect on iron bioavailability in common bean seeds. *Plant Physiology and Biochemistry*, **2017**, 111, 193-202	5.4	18
29	Transcriptome analysis of ectopic chloroplast development in green curd cauliflower (Brassica oleracea L. var. botrytis). *BMC Plant Biology*, **2011**, 11, 169	5.3	18
28	Carotenoid Pigment Accumulation in Horticultural Plants. *Horticultural Plant Journal*, **2020**, 6, 343-360	4.3	18
27	Pathways for Carotenoid Biosynthesis, Degradation, and Storage. *Methods in Molecular Biology*, **2020**, 2083, 3-23	1.4	15
26	Characterization of Cauliflower OR Mutant Variants. *Frontiers in Plant Science*, **2019**, 10, 1716	6.2	13
25	OR, a Natural Variant of OR, Specifically Interacts with Plastid Division Factor ARC3 to Regulate Chromoplast Number and Carotenoid Accumulation. *Molecular Plant*, **2020**, 13, 864-878	14.4	13
24	Evaluation of germplasm effect on Fe, Zn and Se content in wheat seedlings. *Plant Science*, **2013**, 210, 206-13	5.3	13
23	Eukaryotic release factor 1-2 affects Arabidopsis responses to glucose and phytohormones during germination and early seedling development. *Journal of Experimental Botany*, **2010**, 61, 357-67	7	13
22	Overexpression of a bacterial branched-chain □keto acid dehydrogenase complex in Arabidopsis results in accumulation of branched-chain acyl-CoAs and alteration of free amino acid composition in seeds. *Plant Science*, **2003**, 165, 1213-1219	5.3	11
21	Genotypic variation of flavonols and antioxidant capacity in broccoli. *Food Chemistry*, **2021**, 338, 127997	8.5	11
20	Effects of elevated CO on pigment metabolism of postharvest mandarin fruit for degreening. *Food Chemistry*, **2020**, 318, 126462	8.5	10
19	The Role of Carotenogenic Metabolic Flux in Carotenoid Accumulation and Chromoplast Differentiation: Lessons From the Melon Fruit. *Frontiers in Plant Science*, **2019**, 10, 1250	6.2	9
18	Plant carotenoids: recent advances and future perspectives. *Molecular Horticulture*, **2022**, 2,		8
17	Biochemical basis of differential selenium tolerance in arugula (Eruca sativa Mill.) and lettuce (Lactuca sativa L.). *Plant Physiology and Biochemistry*, **2020**, 157, 328-338	5.4	7
16	Modulation of carotenoid accumulation in transgenic potato by inducing chromoplast formation with enhanced sink strength. *Methods in Molecular Biology*, **2010**, 643, 77-93	1.4	7
15	Genetic mapping of green curd gene Gr in cauliflower. *Theoretical and Applied Genetics*, **2020**, 133, 353-364		6
14	Arabidopsis ORANGE protein regulates plastid pre-protein import through interacting with Tic proteins. *Journal of Experimental Botany*, **2021**, 72, 1059-1072	7	6

13	Comparative transcriptome analyses shed light on carotenoid production and plastid development in melon fruit. *Horticulture Research*, **2021**, 8, 112	7.7	5
12	Think outside the box: selenium volatilization altered by a broccoli gene in the ubiquinone biosynthetic pathway. *Plant Signaling and Behavior*, **2010**, 5, 76-7	2.5	4
11	Comparative proteomic and ultrastructural analysis shed light on fruit pigmentation distinct in two Lycium species. *Industrial Crops and Products*, **2020**, 147, 112267	5.9	3
10	Multi-strategy engineering greatly enhances provitamin A carotenoid accumulation and stability in Arabidopsis seeds. *ABIOTECH*, **2021**, 2, 191-214	3.9	3
9	Characterization of cassava ORANGE proteins and their capability to increase provitamin A carotenoids accumulation.. *PLoS ONE*, **2022**, 17, e0262412	3.7	2
8	The roles of selectivity filters in determining aluminum transport by AtNIP1;2. *Plant Signaling and Behavior*, **2021**, 1991686	2.5	2
7	Effect of continuous white light illumination on glucosinolate metabolism during postharvest storage of broccoli. *LWT - Food Science and Technology*, **2021**, 145, 111302	5.4	2
6	Chromosome-Scale Genome and Comparative Transcriptomic Analysis Reveal Transcriptional Regulators of β-Carotene Biosynthesis in Mango. *Frontiers in Plant Science*, **2021**, 12, 749108	6.2	1
5	Exogenous methyl jasmonate regulates sucrose metabolism in tomato during postharvest ripening. *Postharvest Biology and Technology*, **2021**, 181, 111639	6.2	1
4	AtTIP2;2 facilitates resistance to zinc toxicity via promoting zinc immobilization in the root and limiting root-to-shoot zinc translocation in Arabidopsis thaliana.. *Ecotoxicology and Environmental Safety*, **2022**, 233, 113333	7	0
3	Understanding of exogenous auxin in regulating sucrose metabolism during postharvest tomato fruit ripening. *Postharvest Biology and Technology*, **2022**, 189, 111913	6.2	0
2	Phytoene Synthase: The Key Rate-Limiting Enzyme of Carotenoid Biosynthesis in Plants.. *Frontiers in Plant Science*, **2022**, 13, 884720	6.2	0
1	Involvement of cytokinins in STOP1-mediated resistance to proton toxicity. *Stress Biology*,1		