

# Li Li

## List of Publications by Year in descending order

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90  
papers

7,892  
citations

57631

44  
h-index

51492

86  
g-index

91  
all docs

91  
docs citations

91  
times ranked

6590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carotenoid Metabolism in Plants. <i>Molecular Plant</i> , 2015, 8, 68-82.	3.9	863
2	The Cauliflower Or Gene Encodes a DnaJ Cysteine-Rich Domain-Containing Protein That Mediates High Levels of $\beta^2$ -Carotene Accumulation. <i>Plant Cell</i> , 2007, 18, 3594-3605.	3.1	485
3	Overexpression of polyphenol oxidase in transgenic tomato plants results in enhanced bacterial disease resistance. <i>Planta</i> , 2002, 215, 239-247.	1.6	452
4	Carotenoid Metabolism in Plants: The Role of Plastids. <i>Molecular Plant</i> , 2018, 11, 58-74.	3.9	449
5	Carotenoid metabolism and regulation in horticultural crops. <i>Horticulture Research</i> , 2015, 2, 15036.	2.9	370
6	The Purple Cauliflower Arises from Activation of a MYB Transcription Factor. <i>Plant Physiology</i> , 2010, 154, 1470-1480.	2.3	250
7	Carotenoid Metabolism: Biosynthesis, Regulation, and Beyond. <i>Journal of Integrative Plant Biology</i> , 2008, 50, 778-785.	4.1	236
8	<i>Arabidopsis</i> OR proteins are the major posttranscriptional regulators of phytoene synthase in controlling carotenoid biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3558-3563.	3.3	236
9	A novel gene mutation that confers abnormal patterns of $\beta^2$ -carotene accumulation in cauliflower ( <i>Brassica oleracea</i> var. botrytis). <i>Plant Journal</i> , 2001, 26, 59-67.	2.8	222
10	Effect of the cauliflower Or transgene on carotenoid accumulation and chromoplast formation in transgenic potato tubers. <i>Journal of Experimental Botany</i> , 2008, 59, 213-223.	2.4	220
11	Chromoplast biogenesis and carotenoid accumulation. <i>Archives of Biochemistry and Biophysics</i> , 2013, 539, 102-109.	1.4	197
12	A "golden" SNP in <i>CmOr</i> governs the fruit flesh color of melon ( <i>Cucumis melo</i> ). <i>Plant Physiology</i> , 2010, 154, 1470-1480.	2.8	173
13	Transcriptional regulation of anthocyanin biosynthesis in red cabbage. <i>Planta</i> , 2009, 230, 1141-1153.	1.6	152
14	Molecular and Biochemical Characterization of the Selenocysteine Se-Methyltransferase Gene and Se-Methylselenocysteine Synthesis in Broccoli. <i>Plant Physiology</i> , 2005, 138, 409-420.	2.3	144
15	A Tomato Vacuolar Invertase Inhibitor Mediates Sucrose Metabolism and Influences Fruit Ripening. <i>Plant Physiology</i> , 2016, 172, 1596-1611.	2.3	141
16	Subfunctionalization of the Ruby2/Ruby1 gene cluster during the domestication of citrus. <i>Nature Plants</i> , 2018, 4, 930-941.	4.7	121
17	The Or Gene Enhances Carotenoid Accumulation and Stability During Post-Harvest Storage of Potato Tubers. <i>Molecular Plant</i> , 2012, 5, 339-352.	3.9	120
18	Plant carotenoids: recent advances and future perspectives. <i>Molecular Horticulture</i> , 2022, 2, .	2.3	118

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19	Clp Protease and OR Directly Control the Proteostasis of Phytoene Synthase, the Crucial Enzyme for Carotenoid Biosynthesis in Arabidopsis. <i>Molecular Plant</i> , 2018, 11, 149-162.	3.9	112
20	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. <i>Journal of Proteome Research</i> , 2011, 10, 4647-4660.	1.8	108
21	Impact of selenium supply on Se-methylselenocysteine and glucosinolate accumulation in selenium-biofortified Brassica sprouts. <i>Food Chemistry</i> , 2014, 165, 578-586.	4.2	100
22	Metabolic engineering of carotenoid accumulation by creating a metabolic sink. <i>Transgenic Research</i> , 2007, 16, 581-585.	1.3	98
23	Distinct Mechanisms of the ORANGE Protein in Controlling Carotenoid Flux. <i>Plant Physiology</i> , 2017, 173, 376-389.	2.3	97
24	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. <i>Electrophoresis</i> , 2007, 28, 2080-2094.	1.3	94
25	A Single Amino Acid Substitution in an ORANGE Protein Promotes Carotenoid Overaccumulation in Arabidopsis. <i>Plant Physiology</i> , 2015, 169, 421-431.	2.3	91
26	Toward the "golden" era: The status in uncovering the regulatory control of carotenoid accumulation in plants. <i>Plant Science</i> , 2020, 290, 110331.	1.7	89
27	Proteomic analysis of chromoplasts from six crop species reveals insights into chromoplast function and development. <i>Journal of Experimental Botany</i> , 2013, 64, 949-961.	2.4	85
28	Ectopic expression of <i>ORANGE</i> promotes carotenoid accumulation and fruit development in tomato. <i>Plant Biotechnology Journal</i> , 2019, 17, 33-49.	4.1	83
29	Selenium accumulation in lettuce germplasm. <i>Planta</i> , 2011, 233, 649-660.	1.6	82
30	Selenium promotes sulfur accumulation and plant growth in wheat ( <i>Triticum aestivum</i> ). <i>Physiologia Plantarum</i> , 2016, 158, 80-91.	2.6	82
31	Plastid ribosomal protein S5 is involved in photosynthesis, plant development, and cold stress tolerance in Arabidopsis. <i>Journal of Experimental Botany</i> , 2016, 67, 2731-2744.	2.4	81
32	Characterization of the regulatory network of BoMYB2 in controlling anthocyanin biosynthesis in purple cauliflower. <i>Planta</i> , 2012, 236, 1153-1164.	1.6	75
33	The Maize <i>glossy13</i> Gene, Cloned via BSR-Seq and Seq-Walking Encodes a Putative ABC Transporter Required for the Normal Accumulation of Epicuticular Waxes. <i>PLoS ONE</i> , 2013, 8, e82333.	1.1	75
34	Genome-Wide Linkage-Disequilibrium Mapping to the Candidate Gene Level in Melon ( <i>Cucumis melo</i> ). <i>Scientific Reports</i> , 2017, 7, 9770.	1.6	62
35	Carotenoid Pigment Accumulation in Horticultural Plants. <i>Horticultural Plant Journal</i> , 2020, 6, 343-360.	2.3	60
36	A bulk segregant transcriptome analysis reveals metabolic and cellular processes associated with Orange allelic variation and fruit $\beta$ -carotene accumulation in melon fruit. <i>BMC Plant Biology</i> , 2015, 15, 274.	1.6	58

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37	Interference with Clp protease impairs carotenoid accumulation during tomato fruit ripening. <i>Journal of Experimental Botany</i> , 2018, 69, 1557-1568.	2.4	58
38	Assessment of the Anticancer Compounds <i>Se</i> -Methylselenocysteine and Glucosinolates in Se-Biofortified Broccoli ( <i>Brassica oleracea</i> L. var. <i>italica</i> ) Sprouts and Florets. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6216-6223.	2.4	57
39	Î²-Carotene accumulation induced by the cauliflower Or gene is not due to an increased capacity of biosynthesis. <i>Phytochemistry</i> , 2006, 67, 1177-1184.	1.4	54
40	Plant Synthetic Metabolic Engineering for Enhancing Crop Nutritional Quality. <i>Plant Communications</i> , 2020, 1, 100017.	3.6	53
41	Regulatory control of high levels of carotenoid accumulation in potato tubers. <i>Plant, Cell and Environment</i> , 2011, 34, 1020-1030.	2.8	52
42	Effects of Selenium Supplementation on Glucosinolate Biosynthesis in Broccoli. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8036-8044.	2.4	51
43	Evaluation of Genotypic Variation of Broccoli ( <i>Brassica oleracea</i> var. <i>italica</i> ) in Response to Selenium Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 3657-3665.	2.4	50
44	A Neighboring Aromatic-Aromatic Amino Acid Combination Governs Activity Divergence between Tomato Phytoene Synthases. <i>Plant Physiology</i> , 2019, 180, 1988-2003.	2.3	50
45	Phytoene desaturase is present in a large protein complex in the plastid membrane. <i>Physiologia Plantarum</i> , 2008, 133, 190-198.	2.6	49
46	ORANGE Represses Chloroplast Biogenesis in Etiolated Arabidopsis Cotyledons via Interaction with TCP14. <i>Plant Cell</i> , 2019, 31, 2996-3014.	3.1	49
47	Biochemical and molecular characterization of the homocysteine S-methyltransferase from broccoli ( <i>Brassica oleracea</i> var. <i>italica</i> ). <i>Phytochemistry</i> , 2007, 68, 1112-1119.	1.4	46
48	Low temperature inhibits anthocyanin accumulation in strawberry fruit by activating FvMAPK3-induced phosphorylation of FvMYB10 and degradation of Chalcone Synthase 1. <i>Plant Cell</i> , 2022, 34, 1226-1249.	3.1	46
49	Selenium-Induced Toxicity Is Counteracted by Sulfur in Broccoli ( <i>Brassica oleracea</i> L. var. <i>italica</i> ). <i>Frontiers in Plant Science</i> , 2017, 8, 1425.	1.7	42
50	The cauliflower <i>Orange</i> gene enhances petiole elongation by suppressing expression of <i>eukaryotic release factor 1</i> . <i>New Phytologist</i> , 2011, 190, 89-100.	3.5	41
51	Molecular characterization and transcriptome analysis of orange head Chinese cabbage ( <i>Brassica</i> ) Tj ETQq1 1 0.784314 rgBT/Overlo 1.6 36		
52	Plastids and Carotenoid Accumulation. <i>Sub-Cellular Biochemistry</i> , 2016, 79, 273-293.	1.0	35
53	ORHis, a Natural Variant of OR, Specifically Interacts with Plastid Division Factor ARC3 to Regulate Chromoplast Number and Carotenoid Accumulation. <i>Molecular Plant</i> , 2020, 13, 864-878.	3.9	35
54	Genotypic variation of zinc and selenium concentration in grains of Brazilian wheat lines. <i>Plant Science</i> , 2014, 224, 27-35.	1.7	34

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55	Regulatory control of carotenoid accumulation in winter squash during storage. <i>Planta</i> , 2014, 240, 1063-1074.	1.6	32
56	Genotypic variation of flavonols and antioxidant capacity in broccoli. <i>Food Chemistry</i> , 2021, 338, 127997.	4.2	32
57	Fine mapping and identification of candidate Br-or gene controlling orange head of Chinese cabbage ( <i>Brassica rapa</i> L. ssp. <i>pekinensis</i> ). <i>Molecular Breeding</i> , 2013, 32, 799-805.	1.0	30
58	Phytoene Synthase: The Key Rate-Limiting Enzyme of Carotenoid Biosynthesis in Plants. <i>Frontiers in Plant Science</i> , 2022, 13, 884720.	1.7	28
59	Effects of elevated CO <sub>2</sub> on pigment metabolism of postharvest mandarin fruit for degreening. <i>Food Chemistry</i> , 2020, 318, 126462.	4.2	27
60	Use of the cauliflower Or gene for improving crop nutritional quality. <i>Biotechnology Annual Review</i> , 2008, 14, 171-190.	2.1	26
61	Involvement of a Broccoli COQ5 Methyltransferase in the Production of Volatile Selenium Compounds. <i>Plant Physiology</i> , 2009, 151, 528-540.	2.3	25
62	Transcriptome analysis of ectopic chloroplast development in green curd cauliflower ( <i>Brassica</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.6	25
63	Pathways for Carotenoid Biosynthesis, Degradation, and Storage. <i>Methods in Molecular Biology</i> , 2020, 2083, 3-23.	0.4	25
64	Zinc and selenium accumulation and their effect on iron bioavailability in common bean seeds. <i>Plant Physiology and Biochemistry</i> , 2017, 111, 193-202.	2.8	24
65	Comparative transcriptome analyses shed light on carotenoid production and plastid development in melon fruit. <i>Horticulture Research</i> , 2021, 8, 112.	2.9	22
66	Evaluation of germplasm effect on Fe, Zn and Se content in wheat seedlings. <i>Plant Science</i> , 2013, 210, 206-213.	1.7	21
67	Characterization of Cauliflower OR Mutant Variants. <i>Frontiers in Plant Science</i> , 2019, 10, 1716.	1.7	21
68	Exogenous methyl jasmonate regulates sucrose metabolism in tomato during postharvest ripening. <i>Postharvest Biology and Technology</i> , 2021, 181, 111639.	2.9	19
69	The Role of Carotenogenic Metabolic Flux in Carotenoid Accumulation and Chromoplast Differentiation: Lessons From the Melon Fruit. <i>Frontiers in Plant Science</i> , 2019, 10, 1250.	1.7	18
70	Arabidopsis ORANGE protein regulates plastid pre-protein import through interacting with Tic proteins. <i>Journal of Experimental Botany</i> , 2021, 72, 1059-1072.	2.4	17
71	Eukaryotic release factor 1-2 affects Arabidopsis responses to glucose and phytohormones during germination and early seedling development. <i>Journal of Experimental Botany</i> , 2010, 61, 357-367.	2.4	16
72	Effect of continuous white light illumination on glucosinolate metabolism during postharvest storage of broccoli. <i>LWT - Food Science and Technology</i> , 2021, 145, 111302.	2.5	16

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73	Think outside the box. <i>Plant Signaling and Behavior</i> , 2010, 5, 76-77.	1.2	13
74	Overexpression of a bacterial branched-chain $\alpha$ -keto acid dehydrogenase complex in <i>Arabidopsis</i> results in accumulation of branched-chain acyl-CoAs and alteration of free amino acid composition in seeds. <i>Plant Science</i> , 2003, 165, 1213-1219.	1.7	12
75	Genetic mapping of green curd gene <i>Gr</i> in cauliflower. <i>Theoretical and Applied Genetics</i> , 2020, 133, 353-364.	1.8	12
76	Biochemical basis of differential selenium tolerance in arugula ( <i>Eruca sativa</i> Mill.) and lettuce ( <i>Lactuca sativa</i> L.). <i>Plant Physiology and Biochemistry</i> , 2020, 157, 328-338.	2.8	11
77	Comparative proteomic and ultrastructural analysis shed light on fruit pigmentation distinct in two <i>Lycium</i> species. <i>Industrial Crops and Products</i> , 2020, 147, 112267.	2.5	11
78	Multi-strategy engineering greatly enhances provitamin A carotenoid accumulation and stability in <i>Arabidopsis</i> seeds. <i>ABIOTECH</i> , 2021, 2, 191-214.	1.8	11
79	TRIPTYCHON-LIKE regulates aspects of both fruit flavor and color in citrus. <i>Journal of Experimental Botany</i> , 2022, 73, 3610-3624.	2.4	11
80	Characterization of cassava ORANGE proteins and their capability to increase provitamin A carotenoids accumulation. <i>PLoS ONE</i> , 2022, 17, e0262412.	1.1	10
81	AtTIP2;2 facilitates resistance to zinc toxicity via promoting zinc immobilization in the root and limiting root-to-shoot zinc translocation in <i>Arabidopsis thaliana</i> . <i>Ecotoxicology and Environmental Safety</i> , 2022, 233, 113333.	2.9	9
82	Chromosome-Scale Genome and Comparative Transcriptomic Analysis Reveal Transcriptional Regulators of $\beta$ -Carotene Biosynthesis in Mango. <i>Frontiers in Plant Science</i> , 2021, 12, 749108.	1.7	8
83	Understanding of exogenous auxin in regulating sucrose metabolism during postharvest tomato fruit ripening. <i>Postharvest Biology and Technology</i> , 2022, 189, 111913.	2.9	8
84	Modulation of Carotenoid Accumulation in Transgenic Potato by Inducing Chromoplast Formation with Enhanced Sink Strength. <i>Methods in Molecular Biology</i> , 2010, 643, 77-93.	0.4	7
85	Golden Rice—Lessons learned for inspiring future metabolic engineering strategies and synthetic biology solutions. <i>Methods in Enzymology</i> , 2022, , 1-29.	0.4	7
86	Sulfate availability and soil selenate adsorption alleviate selenium toxicity in rice plants. <i>Environmental and Experimental Botany</i> , 2022, 201, 104971.	2.0	7
87	The roles of selectivity filters in determining aluminum transport by AtNIP1;2. <i>Plant Signaling and Behavior</i> , 2021, , 1991686.	1.2	4
88	Protein-protein interaction techniques to investigate post-translational regulation of carotenogenesis. <i>Methods in Enzymology</i> , 2022, , 301-325.	0.4	4
89	Translate Plant Metabolism into Modern Agriculture: A Starting Point. <i>Molecular Plant</i> , 2012, 5, 291-293.	3.9	2
90	Involvement of cytokinins in STOP1-mediated resistance to proton toxicity. <i>Stress Biology</i> , 0, , 1.	1.5	0