Li Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4479655/publications.pdf

Version: 2024-02-01

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	Low temperature inhibits anthocyanin accumulation in strawberry fruit by activating FvMAPK3-induced phosphorylation of FvMYB10 and degradation of Chalcone Synthase 1. Plant Cell, 2022, 34, 1226-1249.	3.1	46
2	Characterization of cassava ORANGE proteins and their capability to increase provitamin A carotenoids accumulation. PLoS ONE, 2022, 17, e0262412.	1.1	10
3	Plant carotenoids: recent advances and future perspectives. Molecular Horticulture, 2022, 2, .	2.3	118
4	Proteinâ€"protein interaction techniques to investigate post-translational regulation of carotenogenesis. Methods in Enzymology, 2022, , 301-325.	0.4	4
5	TRIPTYCHON-LIKE regulates aspects of both fruit flavor and color in citrus. Journal of Experimental Botany, 2022, 73, 3610-3624.	2.4	11
6	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.	2.9	9
7	Understanding of exogenous auxin in regulating sucrose metabolism during postharvest tomato fruit ripening. Postharvest Biology and Technology, 2022, 189, 111913.	2.9	8
8	Golden Riceâ€"Lessons learned for inspiring future metabolic engineering strategies and synthetic biology solutions. Methods in Enzymology, 2022, , 1-29.	0.4	7
9	Phytoene Synthase: The Key Rate-Limiting Enzyme of Carotenoid Biosynthesis in Plants. Frontiers in Plant Science, 2022, 13, 884720.	1.7	28
10	Sulfate availability and soil selenate adsorption alleviate selenium toxicity in rice plants. Environmental and Experimental Botany, 2022, 201, 104971.	2.0	7
11	Genotypic variation of flavonols and antioxidant capacity in broccoli. Food Chemistry, 2021, 338, 127997.	4.2	32
12	Arabidopsis ORANGE protein regulates plastid pre-protein import through interacting with Tic proteins. Journal of Experimental Botany, 2021, 72, 1059-1072.	2.4	17
13	Multi-strategy engineering greatly enhances provitamin A carotenoid accumulation and stability in Arabidopsis seeds. ABIOTECH, 2021, 2, 191-214.	1.8	11
14	Comparative transcriptome analyses shed light on carotenoid production and plastid development in melon fruit. Horticulture Research, 2021, 8, 112.	2.9	22
15	Effect of continuous white light illumination on glucosinolate metabolism during postharvest storage of broccoli. LWT - Food Science and Technology, 2021, 145, 111302.	2.5	16
16	Exogenous methyl jasmonate regulates sucrose metabolism in tomato during postharvest ripening. Postharvest Biology and Technology, 2021, 181, 111639.	2.9	19
17	Chromosome-Scale Genome and Comparative Transcriptomic Analysis Reveal Transcriptional Regulators of Î²-Carotene Biosynthesis in Mango. Frontiers in Plant Science, 2021, 12, 749108.	1.7	8
18	The roles of selectivity filters in determining aluminum transport by AtNIP1;2. Plant Signaling and Behavior, 2021, , 1991686.	1.2	4

#	Article	IF	Citations
19	Genetic mapping of green curd gene Gr in cauliflower. Theoretical and Applied Genetics, 2020, 133, 353-364.	1.8	12
20	Plant Synthetic Metabolic Engineering for Enhancing Crop Nutritional Quality. Plant Communications, 2020, 1, 100017.	3.6	53
21	Toward the â€˜goldenâ€™ era: The status in uncovering the regulatory control of carotenoid accumulation in plants. Plant Science, 2020, 290, 110331.	1.7	89
22	Carotenoid Pigment Accumulation in Horticultural Plants. Horticultural Plant Journal, 2020, 6, 343-360.	2.3	60
23	Biochemical basis of differential selenium tolerance in arugula (Eruca sativa Mill.) and lettuce (Lactuca sativa L.). Plant Physiology and Biochemistry, 2020, 157, 328-338.	2.8	11
24	Effects of elevated CO2 on pigment metabolism of postharvest mandarin fruit for degreening. Food Chemistry, 2020, 318, 126462.	4.2	27
25	Comparative proteomic and ultrastructural analysis shed light on fruit pigmentation distinct in two Lycium species. Industrial Crops and Products, 2020, 147, 112267.	2.5	11
26	ORHis, 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.	3.9	35
27	Pathways for Carotenoid Biosynthesis, Degradation, and Storage. Methods in Molecular Biology, 2020, 2083, 3-23.	0.4	25
28	Ectopic expression of <scp>ORANGE</scp> promotes carotenoid accumulation and fruit development in tomato. Plant Biotechnology Journal, 2019, 17, 33-49.	4.1	83
29	A Neighboring Aromatic-Aromatic Amino Acid Combination Governs Activity Divergence between Tomato Phytoene Synthases. Plant Physiology, 2019, 180, 1988-2003.	2.3	50
30	ORANGE Represses Chloroplast Biogenesis in Etiolated Arabidopsis Cotyledons via Interaction with TCP14. Plant Cell, 2019, 31, 2996-3014.	3.1	49
31	The Role of Carotenogenic Metabolic Flux in Carotenoid Accumulation and Chromoplast Differentiation: Lessons From the Melon Fruit. Frontiers in Plant Science, 2019, 10, 1250.	1.7	18
32	Characterization of Cauliflower OR Mutant Variants. Frontiers in Plant Science, 2019, 10, 1716.	1.7	21
33	Interference with Clp protease impairs carotenoid accumulation during tomato fruit ripening. Journal of Experimental Botany, 2018, 69, 1557-1568.	2.4	58
34	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.	3.9	112
35	Carotenoid Metabolism in Plants: The Role of Plastids. Molecular Plant, 2018, 11, 58-74.	3.9	449
36	Subfunctionalization of the Ruby2â€“Ruby1 gene cluster during the domestication of citrus. Nature Plants, 2018, 4, 930-941.	4.7	121

#	Article	IF	Citations
37	Effects of Selenium Supplementation on Glucosinolate Biosynthesis in Broccoli. Journal of Agricultural and Food Chemistry, 2018, 66, 8036-8044.	2.4	51
38	Genome-Wide Linkage-Disequilibrium Mapping to the Candidate Gene Level in Melon (Cucumis melo). Scientific Reports, 2017, 7, 9770.	1.6	62
39	Distinct Mechanisms of the ORANGE Protein in Controlling Carotenoid Flux. Plant Physiology, 2017, 173, 376-389.	2.3	97
40	Zinc and selenium accumulation and their effect on iron bioavailability in common bean seeds. Plant Physiology and Biochemistry, 2017, 111, 193-202.	2.8	24
41	Selenium-Induced Toxicity Is Counteracted by Sulfur in Broccoli (Brassica oleracea L. var. italica). Frontiers in Plant Science, 2017, 8, 1425.	1.7	42
42	Selenium promotes sulfur accumulation and plant growth in wheat (Triticum aestivum). Physiologia Plantarum, 2016, 158, 80-91.	2.6	82
43	Plastid ribosomal protein S5 is involved in photosynthesis, plant development, and cold stress tolerance in Arabidopsis. Journal of Experimental Botany, 2016, 67, 2731-2744.	2.4	81
44	A Tomato Vacuolar Invertase Inhibitor Mediates Sucrose Metabolism and Influences Fruit Ripening. Plant Physiology, 2016, 172, 1596-1611.	2.3	141
45	Plastids and Carotenoid Accumulation. Sub-Cellular Biochemistry, 2016, 79, 273-293.	1.0	35
46	Carotenoid metabolism and regulation in horticultural crops. Horticulture Research, 2015, 2, 15036.	2.9	370
47	A bulk segregant transcriptome analysis reveals metabolic and cellular processes associated with Orange allelic variation and fruit Î²-carotene accumulation in melon fruit. BMC Plant Biology, 2015, 15, 274.	1.6	58
48	A â€˜goldenâ€™ SNP in CmOr governs the fruit flesh color of melon (<scp>C</scp>ucumis) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.8	173
49	Carotenoid Metabolism in Plants. Molecular Plant, 2015, 8, 68-82.	3.9	863
50	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, 3558-3563.	3.3	236
51	Molecular characterization and transcriptome analysis of orange head Chinese cabbage (Brassica) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	36
52	A Single Amino Acid Substitution in an ORANGE Protein Promotes Carotenoid Overaccumulation in Arabidopsis. Plant Physiology, 2015, 169, 421-431.	2.3	91
53	Regulatory control of carotenoid accumulation in winter squash during storage. Planta, 2014, 240, 1063-1074.	1.6	32
54	Genotypic variation of zinc and selenium concentration in grains of Brazilian wheat lines. Plant Science, 2014, 224, 27-35.	1.7	34

#	Article	IF	Citations
55	Impact of selenium supply on Se-methylselenocysteine and glucosinolate accumulation in selenium-biofortified Brassica sprouts. Food Chemistry, 2014, 165, 578-586.	4.2	100
56	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.	1.0	30
57	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, 6216-6223.	2.4	57
58	Evaluation of germplasm effect on Fe, Zn and Se content in wheat seedlings. Plant Science, 2013, 210, 206-213.	1.7	21
59	Chromoplast biogenesis and carotenoid accumulation. Archives of Biochemistry and Biophysics, 2013, 539, 102-109.	1.4	197
60	Proteomic analysis of chromoplasts from six crop species reveals insights into chromoplast function and development. Journal of Experimental Botany, 2013, 64, 949-961.	2.4	85
61	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.	1.1	75
62	The Or Gene Enhances Carotenoid Accumulation and Stability During Post-Harvest Storage of Potato Tubers. Molecular Plant, 2012, 5, 339-352.	3.9	120
63	Characterization of the regulatory network of BoMYB2 in controlling anthocyanin biosynthesis in purple cauliflower. Planta, 2012, 236, 1153-1164.	1.6	75
64	Translate Plant Metabolism into Modern Agriculture: A Starting Point. Molecular Plant, 2012, 5, 291-293.	3.9	2
65	Evaluation of Genotypic Variation of Broccoli (Brassica oleracea var. italic) in Response to Selenium Treatment. Journal of Agricultural and Food Chemistry, 2011, 59, 3657-3665.	2.4	50
66	Evaluation of Different Multidimensional LCâ€"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, 4647-4660.	1.8	108
67	Regulatory control of high levels of carotenoid accumulation in potato tubers. Plant, Cell and Environment, 2011, 34, 1020-1030.	2.8	52
68	The cauliflower Orange gene enhances petiole elongation by suppressing expression of eukaryotic release factor 1. New Phytologist, 2011, 190, 89-100.	3.5	41
69	Transcriptome analysis of ectopic chloroplast development in green curd cauliflower (Brassica) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	25
70	Selenium accumulation in lettuce germplasm. Planta, 2011, 233, 649-660.	1.6	82
71	Think outside the box. Plant Signaling and Behavior, 2010, 5, 76-77.	1.2	13
72	The Purple Cauliflower Arises from Activation of a MYB Transcription Factor. Plant Physiology, 2010, 154, 1470-1480.	2.3	250

#	Article	IF	Citations
73	Eukaryotic release factor 1-2 affects Arabidopsis responses to glucose and phytohormones during germination and early seedling development. Journal of Experimental Botany, 2010, 61, 357-367.	2.4	16
74	Modulation of Carotenoid Accumulation in Transgenic Potato by Inducing Chromoplast Formation with Enhanced Sink Strength. Methods in Molecular Biology, 2010, 643, 77-93.	0.4	7
75	Involvement of a Broccoli COQ5 Methyltransferase in the Production of Volatile Selenium Compounds Â. Plant Physiology, 2009, 151, 528-540.	2.3	25
76	Transcriptional regulation of anthocyanin biosynthesis in red cabbage. Planta, 2009, 230, 1141-1153.	1.6	152
77	Carotenoid Metabolism: Biosynthesis, Regulation, and Beyond. Journal of Integrative Plant Biology, 2008, 50, 778-785.	4.1	236
78	Phytoene desaturase is present in a large protein complex in the plastid membrane. Physiologia Plantarum, 2008, 133, 190-198.	2.6	49
79	Use of the cauliflower Or gene for improving crop nutritional quality. Biotechnology Annual Review, 2008, 14, 171-190.	2.1	26
80	Effect of the cauliflower Or transgene on carotenoid accumulation and chromoplast formation in transgenic potato tubers. Journal of Experimental Botany, 2008, 59, 213-223.	2.4	220
81	The Cauliflower Or Gene Encodes a DnaJ Cysteine-Rich Domain-Containing Protein That Mediates High Levels of Î²-Carotene Accumulation. Plant Cell, 2007, 18, 3594-3605.	3.1	485
82	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, 2080-2094.	1.3	94
83	Biochemical and molecular characterization of the homocysteine S-methyltransferase from broccoli (Brassica oleracea var. italica). Phytochemistry, 2007, 68, 1112-1119.	1.4	46
84	Metabolic engineering of carotenoid accumulation by creating a metabolic sink. Transgenic Research, 2007, 16, 581-585.	1.3	98
85	Î²-Carotene accumulation induced by the cauliflower Or gene is not due to an increased capacity of biosynthesis. Phytochemistry, 2006, 67, 1177-1184.	1.4	54
86	Molecular and Biochemical Characterization of the Selenocysteine Se-Methyltransferase Gene and Se-Methylselenocysteine Synthesis in Broccoli. Plant Physiology, 2005, 138, 409-420.	2.3	144
87	Overexpression of a bacterial branched-chain Î±-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.	1.7	12
88	Overexpression of polyphenol oxidase in transgenic tomato plants results in enhanced bacterial disease resistance. Planta, 2002, 215, 239-247.	1.6	452
89	A novel gene mutation that confers abnormal patterns of Î²-carotene accumulation in cauliflower (Brassica oleracea var. botrytis). Plant Journal, 2001, 26, 59-67.	2.8	222
90	Involvement of cytokinins in STOP1-mediated resistance to proton toxicity. Stress Biology, 0, , 1.	1.5	0