

# Li-xi Jiang

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,836  
citations

257450

24  
h-index

276875

41  
g-index

49  
all docs

49  
docs citations

49  
times ranked

2283  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Whole-Genome Resequencing of a Worldwide Collection of Rapeseed Accessions Reveals the Genetic Basis of Ecotype Divergence. <i>Molecular Plant</i> , 2019, 12, 30-43.  | 8.3 | 175       |
| 2  | Cadmium-induced stress on the seed germination and seedling growth of <i>Brassica napus</i> L., and its alleviation through exogenous plant growth regulators. <i>Plant Growth Regulation</i> , 2009, 58, 47-59.   | 3.4 | 172       |
| 3  | <i>Seed Fatty Acid Reducer</i> acts downstream of gibberellin signalling pathway to lower seed fatty acid storage in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2012, 35, 2155-2169.  | 5.7 | 93        |
| 4  | The Effect of <i>TRANSPARENT TESTA2</i> on Seed Fatty Acid Biosynthesis and Tolerance to Environmental Stresses during Young Seedling Establishment in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 160, 1023-1036.  | 4.8 | 79        |
| 5  | <i>TRANSPARENT TESTA8</i> Inhibits Seed Fatty Acid Accumulation by Targeting Several Seed Development Regulators in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2014, 165, 905-916.   | 4.8 | 78        |
| 6  | Elevating seed oil content in a polyploid crop by induced mutations in <i>SEED FATTY ACID REDUCER</i> genes. <i>Plant Biotechnology Journal</i> , 2020, 18, 2251-2266.   | 8.3 | 77        |
| 7  | Role of jasmonic acid in improving tolerance of rapeseed ( <i>Brassica napus</i> L.) to Cd toxicity. <i>Journal of Zhejiang University: Science B</i> , 2018, 19, 130-146.   | 2.8 | 71        |
| 8  | The alleviation of cadmium toxicity in oilseed rape ( <i>Brassica napus</i> ) by the application of salicylic acid. <i>Plant Growth Regulation</i> , 2015, 75, 641-655.  | 3.4 | 69        |
| 9  | Multi-omics analysis reveals molecular mechanisms of shoot adaption to salt stress in Tibetan wild barley. <i>BMC Genomics</i> , 2016, 17, 889.  | 2.8 | 68        |
| 10 | <i>TRANSPARENT TESTA2</i> regulates embryonic fatty acid biosynthesis by targeting <i>FUSCA3</i> during the early developmental stage of <i>Arabidopsis</i> seeds. <i>Plant Journal</i> , 2014, 77, 757-769.   | 5.7 | 63        |
| 11 | Removal of DELLA repression promotes leaf senescence in <i>Arabidopsis</i> . <i>Plant Science</i> , 2014, 219-220, 26-34.  | 3.6 | 63        |
| 12 | Characterization of Pigmentation and Cellulose Synthesis in Colored Cotton Fibers. <i>Crop Science</i> , 2007, 47, 1540-1546.  | 1.8 | 57        |
| 13 | The HKT Transporter <i>HvHKT1;5</i> Negatively Regulates Salt Tolerance. <i>Plant Physiology</i> , 2020, 182, 584-596.   | 4.8 | 57        |
| 14 | Ionic, metabolomic and proteomic analyses reveal molecular mechanisms of root adaption to salt stress in Tibetan wild barley. <i>Plant Physiology and Biochemistry</i> , 2018, 123, 319-330.   | 5.8 | 55        |
| 15 | Modelling of gene loss propensity in the pangenomes of three <i>Brassica</i> species suggests different mechanisms between polyploids and diploids. <i>Plant Biotechnology Journal</i> , 2021, 19, 2488-2500.  | 8.3 | 44        |
| 16 | The Remodeling of Seedling Development in Response to Long-Term Magnesium Toxicity and Regulation by ABA-DELLA Signaling in <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2014, 55, 1713-1726.   | 3.1 | 43        |
| 17 | Analysis of gene expression profiles of two near-isogenic lines differing at a QTL region affecting oil content at high temperatures during seed maturation in oilseed rape ( <i>Brassica napus</i> L.). <i>Theoretical and Applied Genetics</i> , 2012, 124, 515-531. | 3.6 | 41        |
| 18 | Overexpression of the Tibetan Plateau annual wild barley ( <i>Hordeum spontaneum</i> ) HsCIPKs enhances rice tolerance to heavy metal toxicities and other abiotic stresses. <i>Rice</i> , 2018, 11, 51.   | 4.0 | 37        |

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|----|--|------|-----------|
| 19 | The effect of exogenous methyl jasmonate on the flowering time, floral organ morphology, and transcript levels of a group of genes implicated in the development of oilseed rape flowers ( <i>Brassica napus</i> ). <i>Journal of Experimental Botany</i> , 2018, 69, 1721-1733. | 10.3 | 34        |
| 20 | SHAGGY-like kinase 12 regulates flowering through mediating CONSTANS stability in <i>Arabidopsis</i> . <i>Science Advances</i> , 2020, 6, eaaw0413.  | 10.3 | 34        |
| 21 | ALLEVIATION OF CADMIUM TOXICITY IN SOYBEAN BY POTASSIUM SUPPLEMENTATION. <i>Journal of Plant Nutrition</i> , 2010, 33, 1926-1938.  | 1.9  | 32        |
| 22 | Genome-wide identification, phylogenetic and expression pattern analysis of GATA family genes in <i>Brassica napus</i> . <i>BMC Plant Biology</i> , 2020, 20, 543.   | 3.6  | 32        |
| 23 | Effect of high night temperature on storage lipids and transcriptome changes in developing seeds of oilseed rape. <i>Journal of Experimental Botany</i> , 2018, 69, 1721-1733.   | 4.8  | 30        |
| 24 | Genome-wide association study reveals new genes involved in leaf trichome formation in polyploid oilseed rape ( <i>Brassica napus</i> L.). <i>Plant, Cell and Environment</i> , 2020, 43, 675-691.   | 5.7  | 28        |
| 25 | TRANSPARENT TESTA 4-mediated flavonoids negatively affect embryonic fatty acid biosynthesis in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 2773-2790.  | 5.7  | 26        |
| 26 | Characterization of Salinity Tolerance of Transgenic Rice Lines Harboring HsCBL8 of Wild Barley ( <i>Hordeum spontaneum</i> ) Line from Qinghai-Tibet Plateau. <i>Frontiers in Plant Science</i> , 2016, 7, 1678.  | 3.6  | 25        |
| 27 | Melatonin Represses Oil and Anthocyanin Accumulation in Seeds. <i>Plant Physiology</i> , 2020, 183, 898-914.   | 4.8  | 25        |
| 28 | Detection of Tocopherol in Oilseed Rape ( <i>Brassica napus</i> L.) Using Gas Chromatography with Flame Ionization Detector. <i>Journal of Integrative Agriculture</i> , 2013, 12, 803-814.  | 3.5  | 24        |
| 29 | Allelic Variation of BnaC.TT2.a and Its Association with Seed Coat Color and Fatty Acids in Rapeseed ( <i>Brassica napus</i> L.). <i>PLoS ONE</i> , 2016, 11, e0146661.  | 2.5  | 20        |
| 30 | Creation of male-sterile lines that can be restored to fertility by exogenous methyl jasmonate for the establishment of a two-line system for the hybrid production of rice ( <i>Oryza sativa</i> L.). <i>Plant Biotechnology Journal</i> , 2021, 19, 365-374.                   | 8.3  | 17        |
| 31 | Effects of waterlogging stress on early seedling development and transcriptomic responses in <i>Brassica napus</i> . <i>Molecular Breeding</i> , 2020, 40, 1.  | 2.1  | 16        |
| 32 | Elucidating the physiological and biochemical responses of different tobacco ( <i>Nicotiana glauca</i> ) lines to drought stress. <i>Plant Growth Regulation</i> , 2015, 76, 61-70.  | 4.3  | 14        |
| 33 | Genome-wide identification and characterization of SnRK family genes in <i>Brassica napus</i> . <i>BMC Plant Biology</i> , 2020, 20, 287.  | 3.6  | 14        |
| 34 | Response of seed tocopherols in oilseed rape to nitrogen fertilizer sources and application rates. <i>Journal of Zhejiang University: Science B</i> , 2014, 15, 181-193.   | 2.8  | 13        |
| 35 | Comparison of vitality between seedlings germinated from black-coated and yellow-coated seeds of a turnip rape ( <i>Brassica rapa</i> L.) subjected to NaCl and CdCl <sub>2</sub> stresses. <i>Plant Growth Regulation</i> , 2015, 76, 61-70.                                    | 3.4  | 11        |
| 36 | Genome-wide association study reveals a patatin-like lipase relating to the reduction of seed oil content in <i>Brassica napus</i> . <i>BMC Plant Biology</i> , 2021, 21, 6.   | 3.6  | 11        |

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|----|---|-----|-----------|
| 37 | BnaSNPDB: An interactive web portal for the efficient retrieval and analysis of SNPs among 1,007 rapeseed accessions. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2766-2773.  | 4.1 | 10        |
| 38 | <i>Arabidopsis thaliana</i> NOP10 is required for gametophyte formation. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 723-736.   | 8.5 | 9         |
| 39 | BnaGVD: A Genomic Variation Database of Rapeseed ( <i>Brassica napus</i> ). <i>Plant and Cell Physiology</i> , 2021, 62, 378-383.   | 3.1 | 9         |
| 40 | Comparison on the carbohydrate metabolic enzyme activities and their gene expression patterns in canola differing seed oil content. <i>Plant Growth Regulation</i> , 2016, 78, 357-369.   | 3.4 | 8         |
| 41 | Identification of candidate genes involved in fatty acids degradation at the late maturity stage in <i>Brassica napus</i> based on transcriptomic analysis. <i>Plant Growth Regulation</i> , 2017, 83, 385-396.                               | 3.4 | 8         |
| 42 | Prediction of heterosis in the recent rapeseed ( <i>Brassica napus</i> ) polyploid by pairing parental nucleotide sequences. <i>PLoS Genetics</i> , 2021, 17, e1009879.   | 3.5 | 8         |
| 43 | The genome and gene editing system of sea barleygrass provide a novel platform for cereal domestication and stress tolerance studies. <i>Plant Communications</i> , 2022, 3, 100333.  | 7.7 | 8         |
| 44 | Effects of 5-aminolevulinic Acid on the Bioactive Compounds and Seedling Growth of Oilseed Rape ( <i>Brassica napus</i> L.). <i>Journal of Plant Biology</i> , 2019, 62, 181-194.   | 2.1 | 7         |
| 45 | Effect of germination potential on storage lipids and transcriptome changes in premature developing seeds of oilseed rape ( <i>Brassica napus</i> L.). <i>Theoretical and Applied Genetics</i> , 2020, 133, 2839-2852.                        | 3.6 | 5         |
| 46 | Construction of a worldwide core collection of rapeseed and association analysis for waterlogging tolerance. <i>Plant Growth Regulation</i> , 2022, 98, 321-328.  | 3.4 | 5         |
| 47 | Characterization of seed fatty acid accumulation in DELLA mutant lines of <i>Arabidopsis</i> . <i>Plant Growth Regulation</i> , 2013, 70, 27-37.  | 3.4 | 4         |
| 48 | Evolutionary Analysis of the YABBY Gene Family in Brassicaceae. <i>Plants</i> , 2021, 10, 2700.   | 3.5 | 3         |
| 49 | cDNA-Amplified fragment length polymorphism analysis reveals differential gene expression induced by exogenous MeJA and GA3 in oilseed rape ( <i>Brassica napus</i> L.) flowers. <i>Journal of Integrative Agriculture</i> , 2017, 16, 47-56. | 3.5 | 2         |