# Jia Li

## List of Publications by Year in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 85 papers | 7,540 citations | 94433 37 h-index | 58581 82 g-index |
| 86 all docs | 86 docs citations | 86 times ranked | 6299 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | BAK1, an Arabidopsis LRR Receptor-like Protein Kinase, Interacts with BRI1 and Modulates Brassinosteroid Signaling. Cell, 2002, 110, 213-222. | 28.9 | 1,231 |
| 2 | The receptor-like kinase SERK3/BAK1 is a central regulator of innate immunity in plants. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12217-12222. | 7.1 | 998 |
| 3 | Sequential Transphosphorylation of the BRI1/BAK1 Receptor Kinase Complex Impacts Early Events in Brassinosteroid Signaling. Developmental Cell, 2008, 15, 220-235. | 7.0 | 485 |
| 4 | BAK1 and BKK1 Regulate Brassinosteroid-Dependent Growth and Brassinosteroid-Independent Cell-Death Pathways. Current Biology, 2007, 17, 1109-1115. | 3.9 | 378 |
| 5 | Identification and Functional Analysis of in Vivo Phosphorylation Sites of the Arabidopsis BRASSINOSTEROID-INSENSITIVE1 Receptor Kinase. Plant Cell, 2005, 17, 1685-1703. | 6.6 | 364 |
| 6 | Genetic Evidence for an Indispensable Role of Somatic Embryogenesis Receptor Kinases in Brassinosteroid Signaling. PLoS Genetics, 2012, 8, e1002452. | 3.5 | 243 |
| 7 | Brassinosteroids Regulate Root Growth, Development, and Symbiosis. Molecular Plant, 2016, 9, 86-100. | 8.3 | 218 |
| 8 | Genome-wide cloning and sequence analysis of leucine-rich repeat receptor-like protein kinase genes in Arabidopsis thaliana. BMC Genomics, 2010, 11, 19. | 2.8 | 196 |
| 9 | TCP1 Modulates Brassinosteroid Biosynthesis by Regulating the Expression of the Key Biosynthetic GeneDWARF4inArabidopsis thalianaÂ Â. Plant Cell, 2010, 22, 1161-1173. | 6.6 | 178 |
| 10 | Engineering OsBAK1 gene as a molecular tool to improve rice architecture for high yield. Plant Biotechnology Journal, 2009, 7, 791-806. | 8.3 | 176 |
| 11 | <scp>PAG1</scp>, a cotton brassinosteroid catabolism gene, modulates fiber elongation. New Phytologist, 2014, 203, 437-448. | 7.3 | 170 |
| 12 | Regulation of Brassinosteroid Biosynthesis and Inactivation<sup>F</sup>. Journal of Integrative Plant Biology, 2012, 54, 746-759. | 8.5 | 153 |
| 13 | RGF1 INSENSITIVE 1 to 5, a group of LRR receptor-like kinases, are essential for the perception of root meristem growth factor 1 in Arabidopsis thaliana. Cell Research, 2016, 26, 686-698. | 12.0 | 144 |
| 14 | A group of receptor kinases are essential for CLAVATA signalling to maintain stem cell homeostasis. Nature Plants, 2018, 4, 205-211. | 9.3 | 135 |
| 15 | BRL1, a leucineâ€rich repeat receptorâ€like protein kinase, is functionally redundant with BRI1 in regulating Arabidopsis brassinosteroid signaling. Plant Journal, 2004, 40, 399-409. | 5.7 | 126 |
| 16 | Genome-Wide Expression Pattern Analyses of the Arabidopsis Leucine-Rich Repeat Receptor-Like Kinases. Molecular Plant, 2016, 9, 289-300. | 8.3 | 125 |
| 17 | Multi-tasking of somatic embryogenesis receptor-like protein kinases. Current Opinion in Plant Biology, 2010, 13, 509-514. | 7.1 | 116 |
| 18 | BES1 is activated by EMS1-TPD1-SERK1/2-mediated signaling to control tapetum development in Arabidopsis thaliana. Nature Communications, 2019, 10, 4164. | 12.8 | 97 |

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|---|---|---|---|
| 19 | Multiple transcriptional factors control stomata development in rice. New Phytologist, 2019, 223, 220-232. | 7.3 | 97 |
| 20 | BEN1, a gene encoding a dihydroflavonol 4-reductase (DFR)-like protein, regulates the levels of brassinosteroids inArabidopsis thaliana. Plant Journal, 2007, 51, 220-233. | 5.7 | 87 |
| 21 | TCP Transcription Factors Associate with PHYTOCHROME INTERACTING FACTOR 4 and CRYPTOCHROME 1 to Regulate Thermomorphogenesis in Arabidopsis thaliana. IScience, 2019, 15, 600-610. | 4.1 | 81 |
| 22 | CIK Receptor Kinases Determine Cell Fate Specification during Early Anther Development in Arabidopsis. Plant Cell, 2018, 30, 2383-2401. | 6.6 | 79 |
| 23 | Arabidopsis DELLA Protein Degradation Is Controlled by a Type-One Protein Phosphatase, TOPP4. PLoS Genetics, 2014, 10, e1004464. | 3.5 | 67 |
| 24 | Regulation of the stability of RGF1 receptor by the ubiquitin-specific proteases UBP12/UBP13 is critical for root meristem maintenance. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1123-1128. | 7.1 | 67 |
| 25 | TCP Transcription Factors Regulate Shade Avoidance via Directly Mediating the Expression of Both PHYTOCHROME INTERACTING FACTORs and Auxin Biosynthetic Genes. Plant Physiology, 2018, 176, 1850-1861. | 4.8 | 65 |
| 26 | Somatic Embryogenesis Receptor Kinases Control Root Development Mainly via Brassinosteroidâ€independent Actions in Arabidopsis thaliana. Journal of Integrative Plant Biology, 2012, 54, 388-399. | 8.5 | 63 |
| 27 | Loss of the common immune coreceptor BAK1 leads to NLR-dependent cell death. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27044-27053. | 7.1 | 63 |
| 28 | Asymmetric distribution of cytokinins determines root hydrotropism in Arabidopsis thaliana. Cell Research, 2019, 29, 984-993. | 12.0 | 61 |
| 29 | Brassinosteroid Biosynthesis Is Modulated via a Transcription Factor Cascade of COG1, PIF4, and PIF5. Plant Physiology, 2017, 174, 1260-1273. | 4.8 | 55 |
| 30 | BAK1 and BKK1 in Arabidopsis thaliana confer reduced susceptibility to turnip crinkle virus. European Journal of Plant Pathology, 2010, 127, 149-156. | 1.7 | 50 |
| 31 | TYPE-ONE PROTEIN PHOSPHATASE4 Regulates Pavement Cell Interdigitation by Modulating PIN-FORMED1 Polarity and Trafficking in Arabidopsis. Plant Physiology, 2015, 167, 1058-1075. | 4.8 | 48 |
| 32 | RGF1-RGI1, a Peptide-Receptor Complex, Regulates Arabidopsis Root Meristem Development via a MAPK Signaling Cascade. Molecular Plant, 2020, 13, 1594-1607. | 8.3 | 47 |
| 33 | Paired Receptor and Coreceptor Kinases Perceive Extracellular Signals to Control Plant Development. Plant Physiology, 2020, 182, 1667-1681. | 4.8 | 47 |
| 34 | TCP1 Modulates DWF4 Expression via Directly Interacting with the GGNCCC Motifs in the Promoter Region of DWF4 in Arabidopsis thaliana. Journal of Genetics and Genomics, 2015, 42, 383-392. | 3.9 | 46 |
| 35 | Nucleocytoplasmic trafficking is essential for <scp>BAK</scp>1â€•and <scp>BKK</scp>1â€•mediated cellâ€•death control. Plant Journal, 2016, 85, 520-531. | 5.7 | 45 |
| 36 | TOPP4 Regulates the Stability of PHYTOCHROME INTERACTING FACTOR5 during Photomorphogenesis in Arabidopsis. Plant Physiology, 2016, 170, 1381-1397. | 4.8 | 44 |

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|---|---|---|---|
| 37 | Receptorâ€Like Kinases: Key Regulators of Plant Development and Defense. Journal of Integrative Plant Biology, 2013, 55, 1184-1187. | 8.5 | 42 |
| 38 | <scp>BAK</scp>1 Directly Regulates Brassinosteroid Perception and <scp>BRI</scp>1 Activation. Journal of Integrative Plant Biology, 2013, 55, 1264-1270. | 8.5 | 41 |
| 39 | Somatic embryogenesis receptor-like kinase 5 in the ecotype Landsberg erecta of Arabidopsis is a functional RD LRR-RLK in regulating brassinosteroid signaling and cell death control. Frontiers in Plant Science, 2015, 6, 852. | 3.6 | 40 |
| 40 | Regulation of Brassinosteroid Homeostasis in Higher Plants. Frontiers in Plant Science, 2020, 11, 583622. | 3.6 | 40 |
| 41 | Kinase SnRK1.1 regulates nitrate channel SLAH3 engaged in nitrate-dependent alleviation of ammonium toxicity. Plant Physiology, 2021, 186, 731-749. | 4.8 | 37 |
| 42 | TWISTED DWARF 1 Associates with BRASSINOSTEROID-INSENSITIVE 1 to Regulate Early Events of the Brassinosteroid Signaling Pathway. Molecular Plant, 2016, 9, 582-592. | 8.3 | 36 |
| 43 | Molecular Mechanisms of Brassinosteroid-Mediated Responses to Changing Environments in Arabidopsis. International Journal of Molecular Sciences, 2020, 21, 2737. | 4.1 | 36 |
| 44 | Sterols are required for cellâ€fate commitment and maintenance of the stomatal lineage in <scp>A</scp>rabidopsis. Plant Journal, 2013, 74, 1029-1044. | 5.7 | 35 |
| 45 | Functional characterisation of brassinosteroid receptor MtBRI1 in Medicago truncatula. Scientific Reports, 2017, 7, 9327. | 3.3 | 34 |
| 46 | SAUR15 Promotes Lateral and Adventitious Root Development via Activating H<sup>+</sup>-ATPases and Auxin Biosynthesis. Plant Physiology, 2020, 184, 837-851. | 4.8 | 33 |
| 47 | Both Light-Induced SA Accumulation and ETI Mediators Contribute to the Cell Death Regulated by BAK1 and BKK1. Frontiers in Plant Science, 2017, 8, 622. | 3.6 | 31 |
| 48 | Receptorâ€like protein kinases: Key regulators controlling root hair development in Arabidopsis thaliana. Journal of Integrative Plant Biology, 2018, 60, 841-850. | 8.5 | 29 |
| 49 | Two receptorâ€like protein kinases, MUSTACHES and MUSTACHESâ€LIKE, regulate lateral root development in Arabidopsis thaliana. New Phytologist, 2020, 227, 1157-1173. | 7.3 | 27 |
| 50 | Perception of the pathogenâ€induced peptide RGF7 by the receptorâ€like kinases RGI4 and RGI5 triggers innate immunity in Arabidopsis thaliana. New Phytologist, 2021, 230, 1110-1125. | 7.3 | 27 |
| 51 | A CLEâ€“BAMâ€“CIK signalling module controls root protophloem differentiation in Arabidopsis. New Phytologist, 2022, 233, 282-296. | 7.3 | 27 |
| 52 | SERK Receptor-like Kinases Control Division Patterns of Vascular Precursors and Ground Tissue Stem Cells during Embryo Development in Arabidopsis. Molecular Plant, 2019, 12, 984-1002. | 8.3 | 26 |
| 53 | Scanning for New BRI1 Mutations via TILLING Analysis. Plant Physiology, 2017, 174, 1881-1896. | 4.8 | 25 |
| 54 | Receptor-like protein kinases, BAK1 and BKK1, regulate a light-dependent cell-death control pathway. Plant Signaling and Behavior, 2008, 3, 813-815. | 2.4 | 24 |

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|---|---|---|---|
| 55 | AtPiezo Plays an Important Role in Root Cap Mechanotransduction. International Journal of Molecular Sciences, 2021, 22, 467. | 4.1 | 24 |
| 56 | Nitrate transporter NRT1.1 and anion channel SLAH3 form a functional unit to regulate nitrateâ€dependent alleviation of ammonium toxicity. Journal of Integrative Plant Biology, 2022, 64, 942-957. | 8.5 | 22 |
| 57 | NRPB3, the third largest subunit of RNA polymerase II, is essential for stomatal patterning and differentiation inArabidopsis. Development (Cambridge), 2016, 143, 1600-11. | 2.5 | 20 |
| 58 | TCP1 positively regulates the expression ofDWF4inArabidopsis thaliana. Plant Signaling and Behavior, 2011, 6, 1117-1118. | 2.4 | 19 |
| 59 | Conserved and differentiated functions of CIK receptor kinases in modulating stem cell signaling in Arabidopsis. Molecular Plant, 2021, 14, 1119-1134. | 8.3 | 18 |
| 60 | Overexpression of a serine carboxypeptidase increases carpel number and seed production in <scp>A</scp>rabidopsis thaliana. Food and Energy Security, 2012, 1, 61-69. | 4.3 | 17 |
| 61 | Receptor-like Kinases in Root Development: Current Progress and Future Directions. Molecular Plant, 2021, 14, 166-185. | 8.3 | 17 |
| 62 | The photomorphogenic repressors BBX28 and BBX29 integrate light and brassinosteroid signaling to inhibit seedling development in Arabidopsis. Plant Cell, 2022, 34, 2266-2285. | 6.6 | 17 |
| 63 | Receptor-like cytoplasmic kinases PBL34/35/36 are required for CLE peptide-mediated signaling to maintain shoot apical meristem and root apical meristem homeostasis in Arabidopsis. Plant Cell, 2022, 34, 1289-1307. | 6.6 | 15 |
| 64 | SERKs. Current Biology, 2020, 30, R293-R294. | 3.9 | 14 |
| 65 | SAUR15 interaction with BRI1 activates plasma membrane H+-ATPase to promote organ development of Arabidopsis. Plant Physiology, 2022, 189, 2454-2466. | 4.8 | 14 |
| 66 | Activation Tagging. Methods in Molecular Biology, 2011, 876, 117-133. | 0.9 | 11 |
| 67 | Integration of Light and Brassinosteroid Signaling during Seedling Establishment. International Journal of Molecular Sciences, 2021, 22, 12971. | 4.1 | 11 |
| 68 | Essential roles of SERKs in the ROOT MERISTEM GROWTH FACTOR-mediated signaling pathway. Plant Physiology, 2022, 189, 165-177. | 4.8 | 11 |
| 69 | SERKs regulate embryonic cuticle integrity through the TWS1â€GSO1/2 signaling pathway in Arabidopsis. New Phytologist, 2022, 233, 313-328. | 7.3 | 10 |
| 70 | Brassinosteroids. , 2017, , 291-326. | | 8 |
| 71 | Cis-Regulatory Elements Determine Germline Specificity and Expression Level of an Isopentenyltransferase Gene in Sperm Cells of Arabidopsis. Plant Physiology, 2016, 170, 1524-1534. | 4.8 | 7 |
| 72 | RNA polymerase II associated proteins regulate stomatal development through direct interaction with stomatal transcription factors in Arabidopsis thaliana. New Phytologist, 2021, 230, 171-189. | 7.3 | 7 |

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|---|---|---|---|
| 73 | Protein farnesylation negatively regulates brassinosteroid signaling via reducing BES1 stability in Arabidopsis thaliana. Journal of Integrative Plant Biology, 2021, 63, 1353-1366. | 8.5 | 7 |
| 74 | Accelerated rates of protein evolution in barley grain and pistil biased genes might be legacy of domestication. Plant Molecular Biology, 2015, 89, 253-261. | 3.9 | 6 |
| 75 | Thermal-Enhanced bri1-301 Instability Reveals a Plasma Membrane Protein Quality Control System in Plants. Frontiers in Plant Science, 2018, 9, 1620. | 3.6 | 6 |
| 76 | Arabidopsis ROOT ELONGATION RECEPTOR KINASES negatively regulate root growth putatively via altering cell wall remodeling gene expression. Journal of Integrative Plant Biology, 2022, 64, 1502-1513. | 8.5 | 5 |
| 77 | Functional Analysis and Phosphorylation Site Mapping of Leucine-Rich Repeat Receptor-Like Kinases. , 0, , 469-483. | | 4 |
| 78 | Genome-wide expression and network analyses of mutants in key brassinosteroid signaling genes. BMC Genomics, 2021, 22, 465. | 2.8 | 4 |
| 79 | Activation of the WUS Gene Induces Ectopic Initiation of Floral Meristems on Mature Stem Surface in Arabidopsis thaliana. Plant Molecular Biology, 2005, 58, 915-915. | 3.9 | 3 |
| 80 | Three divergent approaches identified the same RGF1 receptors in Arabidopsis thaliana. Science China Life Sciences, 2017, 60, 1040-1043. | 4.9 | 2 |
| 81 | Cell signaling leads the way. Journal of Integrative Plant Biology, 2018, 60, 743-744. | 8.5 | 2 |
| 82 | Rapid responses: receptorâ€like kinases directly regulate the functions of membrane transport proteins in plants. Journal of Integrative Plant Biology, 2022, , . | 8.5 | 2 |
| 83 | Cell-Death Control by Receptor Kinases in Arabidopsis thaliana. Signaling and Communication in Plants, 2012, , 79-91. | 0.7 | 1 |
| 84 | Evolution of RGF/GLV/CLEL Peptide Hormones and Their Roles in Land Plant Growth and Regulation. International Journal of Molecular Sciences, 2021, 22, 13372. | 4.1 | 1 |
| 85 | Methods to Quantify Cell Division and Hormone Gradients During Root Tropisms. Methods in Molecular Biology, 2022, 2368, 71-80. | 0.9 | 0 |