# Jinxing Lin

List of Publications by Year
in descending order

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|---|---|---|---|
| 157 papers | 7,112 citations | 43973 48 h-index | 76769 74 g-index |
| 162 all docs | 162 docs citations | 162 times ranked | 7686 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Roles of the wound hormone jasmonate in plant regeneration. Journal of Experimental Botany, 2023, 74, 1198-1206. | 2.4 | 15 |
| 2 | Seasonal changes in cambium activity from active to dormant stage affect the formation of secondary xylem in Pinus tabulaeformis Carr.. Tree Physiology, 2022, 42, 585-599. | 1.4 | 10 |
| 3 | Spatial regulation of RBOHD via AtECA4â€mediated recycling and clathrinâ€mediated endocytosis contributes to ROS accumulation during salt stress response but not flg22â€induced immune response. Plant Journal, 2022, 109, 816-830. | 2.8 | 16 |
| 4 | Transcription factor dynamics in plants: Insights and technologies for in vivo imaging. Plant Physiology, 2022, 189, 23-36. | 2.3 | 1 |
| 5 | Rejuvenation increases leaf biomass and flavonoid accumulation in Ginkgo biloba. Horticulture Research, 2022, 9, . | 2.9 | 26 |
| 6 | The Chinese pine genome and methylome unveil key features of conifer evolution. Cell, 2022, 185, 204-217.e14. | 13.5 | 151 |
| 7 | Cytology, transcriptomics, and mass spectrometry imaging reveal changes in late-maturation elm (Ulmus pumila) seeds. Journal of Plant Physiology, 2022, 271, 153639. | 1.6 | 1 |
| 8 | Non-Coding RNA Analyses of Seasonal Cambium Activity in Populus tomentosa. Cells, 2022, 11, 640. | 1.8 | 10 |
| 9 | Environmental Cues Contribute to Dynamic Plasma Membrane Organization of Nanodomains Containing Flotillin-1 and Hypersensitive Induced Reaction-1 Proteins in Arabidopsis thaliana. Frontiers in Plant Science, 2022, 13, . | 1.7 | 5 |
| 10 | Genome-wide analysis of long non-coding RNAs in shoot apical meristem and vascular cambium in Populus tomentosa. Journal of Plant Physiology, 2022, 275, 153759. | 1.6 | 4 |
| 11 | Regulation of cytoskeletonâ€associated protein activities: Linking cellular signals to plant cytoskeletal function. Journal of Integrative Plant Biology, 2021, 63, 241-250. | 4.1 | 28 |
| 12 | Coordination of Phospholipid-Based Signaling and Membrane Trafficking in Plant Immunity. Trends in Plant Science, 2021, 26, 407-420. | 4.3 | 29 |
| 13 | In vivo single-particle tracking of the aquaporin AtPIP2;1 in stomata reveals cell type-specific dynamics. Plant Physiology, 2021, 185, 1666-1681. | 2.3 | 26 |
| 14 | Plant multiscale networks: charting plant connectivity by multi-level analysis and imaging techniques. Science China Life Sciences, 2021, 64, 1392-1422. | 2.3 | 21 |
| 15 | A label-free, fast and high-specificity technique for plant cell wall imaging and composition analysis. Plant Methods, 2021, 17, 29. | 1.9 | 9 |
| 16 | Age-dependent microRNAs in regulation of vascular cambium activity in Chinese fir (Cunninghamia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.9 | 5 |
| 17 | Dynamic spatial reorganization of BSK1 complexes in the plasma membrane underpins signal-specific activation for growth and immunity. Molecular Plant, 2021, 14, 588-603. | 3.9 | 32 |
| 18 | 3D Imaging of Lipid-Guided Vesicle Trafficking Along the Cytoskeleton. Trends in Plant Science, 2021, 26, 421-422. | 4.3 | 1 |

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|---|---|---|---|
| 19 | Genome-wide DNA mutations in Arabidopsis plants after multigenerational exposure to high temperatures. Genome Biology, 2021, 22, 160. | 3.8 | 35 |
| 20 | Ginkgo biloba. Trends in Genetics, 2021, 37, 488-489. | 2.9 | 10 |
| 21 | Synaptotagmins at the endoplasmic reticulumâ€“plasma membrane contact sites maintain diacylglycerol homeostasis during abiotic stress. Plant Cell, 2021, 33, 2431-2453. | 3.1 | 41 |
| 22 | Transcriptomic and epigenomic remodeling occurs during vascular cambium periodicity in Populus tomentosa. Horticulture Research, 2021, 8, 102. | 2.9 | 16 |
| 23 | Cross-talk between clathrin-dependent post-Golgi trafficking and clathrin-mediated endocytosis in Arabidopsis root cells. Plant Cell, 2021, 33, 3057-3075. | 3.1 | 24 |
| 24 | SNARE proteins VAMP721 and VAMP722 mediate the postâ€Golgi trafficking required for auxinâ€mediated development in Arabidopsis. Plant Journal, 2021, 108, 426-440. | 2.8 | 24 |
| 25 | Hydroponic cultivation conditions allowing the reproducible investigation of poplar root suberization and water transport. Plant Methods, 2021, 17, 129. | 1.9 | 4 |
| 26 | Three-dimensional reconstruction of Picea wilsonii Mast. pollen grains using automated electron microscopy. Science China Life Sciences, 2020, 63, 171-179. | 2.3 | 20 |
| 27 | Organization and dynamics of functional plant membrane microdomains. Cellular and Molecular Life Sciences, 2020, 77, 275-287. | 2.4 | 26 |
| 28 | Multifeature analyses of vascular cambial cells reveal longevity mechanisms in old Ginkgo biloba trees. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 2201-2210. | 3.3 | 81 |
| 29 | The Tetracentron genome provides insight into the early evolution of eudicots and the formation of vessel elements. Genome Biology, 2020, 21, 291. | 3.8 | 23 |
| 30 | MiR156 regulates anthocyanin biosynthesis through SPL targets and other microRNAs in poplar. Horticulture Research, 2020, 7, 118. | 2.9 | 90 |
| 31 | High-efficiency procedure to characterize, segment, and quantify complex multicellularity in raw micrographs in plants. Plant Methods, 2020, 16, 100. | 1.9 | 8 |
| 32 | The RALF1-FERONIA interaction modulates endocytosis to mediate control of root growth in Arabidopsis. Development (Cambridge), 2020, 147, . | 1.2 | 36 |
| 33 | Systeminâ€mediated longâ€distance systemic defense responses. New Phytologist, 2020, 226, 1573-1582. | 3.5 | 31 |
| 34 | Single-Molecule Techniques for Imaging Exo-Endocytosis Coupling in Cells. Trends in Plant Science, 2019, 24, 879-880. | 4.3 | 6 |
| 35 | The Histone H3K4 Demethylase JMJ16 Represses Leaf Senescence in Arabidopsis. Plant Cell, 2019, 31, 430-443. | 3.1 | 89 |
| 36 | At the intersection of exocytosis and endocytosis in plants. New Phytologist, 2019, 224, 1479-1489. | 3.5 | 63 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Advances in Imaging Plant Cell Walls. Trends in Plant Science, 2019, 24, 867-878. | 4.3 | 79 |
| 38 | TTL Proteins Scaffold Brassinosteroid Signaling Components at the Plasma Membrane to Optimize Signal Transduction in Arabidopsis. Plant Cell, 2019, 31, 1807-1828. | 3.1 | 47 |
| 39 | Techniques for detecting protein-protein interactions in living cells: principles, limitations, and recent progress. Science China Life Sciences, 2019, 62, 619-632. | 2.3 | 51 |
| 40 | Development and chemical characterization of Casparian strips in the roots of Chinese fir (Cunninghamia lanceolata). Trees - Structure and Function, 2019, 33, 827-836. | 0.9 | 22 |
| 41 | Phosphorylation-Mediated Dynamics of Nitrate Transceptor NRT1.1 Regulate Auxin Flux and Nitrate Signaling in Lateral Root Growth. Plant Physiology, 2019, 181, 480-498. | 2.3 | 86 |
| 42 | Secretion of Phospholipase DÎ´ Functions as a Regulatory Mechanism in Plant Innate Immunity. Plant Cell, 2019, 31, 3015-3032. | 3.1 | 55 |
| 43 | Extracting lipid vesicles from plasma membranes via self-assembly of clathrin-inspired scaffolding nanoparticles. Colloids and Surfaces B: Biointerfaces, 2019, 176, 239-248. | 2.5 | 5 |
| 44 | Peptide Aptamers to Inhibit Protein Function in Plants. Trends in Plant Science, 2018, 23, 281-284. | 4.3 | 9 |
| 45 | Exploring the Spatiotemporal Organization of Membrane Proteins in Living Plant Cells. Annual Review of Plant Biology, 2018, 69, 525-551. | 8.6 | 38 |
| 46 | Arabidopsis Blue Light Receptor Phototropin 1 Undergoes Blue Light-Induced Activation in Membrane Microdomains. Molecular Plant, 2018, 11, 846-859. | 3.9 | 44 |
| 47 | Expression of tomato prosystemin gene in Arabidopsis reveals systemic translocation of its mRNA and confers necrotrophic fungal resistance. New Phytologist, 2018, 217, 799-812. | 3.5 | 39 |
| 48 | In vivo cytological and chemical analysis of Casparian strips using stimulated Raman scattering microscopy. Journal of Plant Physiology, 2018, 220, 136-144. | 1.6 | 21 |
| 49 | Single-Particle Tracking for the Quantification of Membrane Protein Dynamics in Living Plant Cells. Molecular Plant, 2018, 11, 1315-1327. | 3.9 | 32 |
| 50 | Sterols regulate endocytic pathways during flg22-induced defense responses in Arabidopsis. Development (Cambridge), 2018, 145, . | 1.2 | 43 |
| 51 | Membrane microdomains and the cytoskeleton constrain At<scp>HIR</scp>1 dynamics and facilitate the formation of an At<scp>HIR</scp>1â€associated immune complex. Plant Journal, 2017, 90, 3-16. | 2.8 | 66 |
| 52 | The dynamics and endocytosis of Flot1 protein in response to flg22 in Arabidopsis. Journal of Plant Physiology, 2017, 215, 73-84. | 1.6 | 31 |
| 53 | A modified GFP facilitates counting membrane protein subunits by step-wise photobleaching in Arabidopsis. Journal of Plant Physiology, 2017, 213, 129-133. | 1.6 | 9 |
| 54 | THESEUS1 positively modulates plant defense responses against Botrytis cinerea through GUANINE EXCHANGE FACTOR4 signaling. Journal of Integrative Plant Biology, 2017, 59, 797-804. | 4.1 | 37 |

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|---|---|---|---|
| 55 | Tracking Tonoplast Protein Behaviors in Intact Vacuoles Isolated from Arabidopsis Leaves. Molecular Plant, 2017, 10, 349-352. | 3.9 | 5 |
| 56 | Quantification of Membrane Protein Dynamics and Interactions in Plant Cells by Fluorescence Correlation Spectroscopy. Molecular Plant, 2016, 9, 1229-1239. | 3.9 | 26 |
| 57 | Gene expression and proteomic analysis of shoot apical meristem transition from dormancy to activation in Cunninghamia lanceolata (Lamb.) Hook. Scientific Reports, 2016, 6, 19938. | 1.6 | 20 |
| 58 | Differential Regulation of Clathrin and Its Adaptor Proteins during Membrane Recruitment for Endocytosis. Plant Physiology, 2016, 171, 215-229. | 2.3 | 56 |
| 59 | An Effective and Inducible System of TAL Effector-Mediated Transcriptional Repression inÂArabidopsis. Molecular Plant, 2016, 9, 1546-1549. | 3.9 | 5 |
| 60 | Transcriptome and Degradome Sequencing Reveals Dormancy Mechanisms of Cunninghamia lanceolata Seeds. Plant Physiology, 2016, 172, 2347-2362. | 2.3 | 33 |
| 61 | Transcriptional regulation of vascular cambium activity during the transition from juvenile to mature stages in Cunninghamia lanceolata. Journal of Plant Physiology, 2016, 200, 7-17. | 1.6 | 19 |
| 62 | Seasonal development of cambial activity in relation to xylem formation in Chinese fir. Journal of Plant Physiology, 2016, 195, 23-30. | 1.6 | 16 |
| 63 | Application of Variable Angle Total Internal Reflection Fluorescence Microscopy to Investigate Protein Dynamics in Intact Plant Cells. Methods in Molecular Biology, 2016, 1363, 123-132. | 0.4 | 1 |
| 64 | Subcellular Redistribution of Root Aquaporins Induced by Hydrogen Peroxide. Molecular Plant, 2015, 8, 1103-1114. | 3.9 | 66 |
| 65 | Endocytosis and its regulation in plants. Trends in Plant Science, 2015, 20, 388-397. | 4.3 | 198 |
| 66 | Spatiotemporal Dynamics of the BRI1 Receptor and its Regulation by Membrane Microdomains in Living Arabidopsis Cells. Molecular Plant, 2015, 8, 1334-1349. | 3.9 | 131 |
| 67 | Genome-wide analysis reveals dynamic changes in expression of microRNAs during vascular cambium development in Chinese fir, Cunninghamia lanceolata. Journal of Experimental Botany, 2015, 66, 3041-3054. | 2.4 | 37 |
| 68 | MicroRNA857 Is Involved in the Regulation of Secondary Growth of Vascular Tissues in Arabidopsis. Plant Physiology, 2015, 169, pp.01011.2015. | 2.3 | 67 |
| 69 | Single-molecule fluorescence imaging to quantify membrane protein dynamics and oligomerization in living plant cells. Nature Protocols, 2015, 10, 2054-2063. | 5.5 | 60 |
| 70 | Research progress on the regulation of cambium activity periodicity. Chinese Science Bulletin, 2015, 60, 619-629. | 0.4 | 0 |
| 71 | Clathrin and Membrane Microdomains Cooperatively Regulate RbohD Dynamics and Activity in Arabidopsis Â Â. Plant Cell, 2014, 26, 1729-1745. | 3.1 | 182 |
| 72 | Î³-Aminobutyric acid (GABA) homeostasis regulates pollen germination and polarized growth in Picea wilsonii. Planta, 2013, 238, 831-843. | 1.6 | 34 |

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|---|---|---|---|
| 73 | Dynamic analysis of Arabidopsis AP2 Ïƒ subunit reveals a key role in clathrin-mediated endocytosis and plant development. Development (Cambridge), 2013, 140, 3826-3837. | 1.2 | 139 |
| 74 | The regulation of cambial activity in <scp>C</scp>hinese fir (<scp>C</scp>unninghamia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 T | 3.5 | 69 |
| 75 | Probing plasma membrane dynamics at the single-molecule level. Trends in Plant Science, 2013, 18, 617-624. | 4.3 | 39 |
| 76 | Anatomical and chemical characteristics associated with lodging resistance in wheat. Crop Journal, 2013, 1, 43-49. | 2.3 | 142 |
| 77 | Fullerene-Induced Increase of Glycosyl Residue on Living Plant Cell Wall. Environmental Science & Technology, 2013, 47, 7490-7498. | 4.6 | 72 |
| 78 | Reliable dissipative control of discreteâ€time switched singular systems with mixed time delays and stochastic actuator failures. IET Control Theory and Applications, 2013, 7, 1447-1462. | 1.2 | 43 |
| 79 | Single-particle analysis reveals shutoff control of the Arabidopsis ammonium transporter AMT1;3 by clustering and internalization. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13204-13209. | 3.3 | 91 |
| 80 | Dynamic analysis of Arabidopsis AP2 Ïƒ subunit reveals a key role in clathrin-mediated endocytosis and plant development. Journal of Cell Science, 2013, 126, e1-e1. | 1.2 | 0 |
| 81 | The Signal Transducer NPH3 Integrates the Phototropin1 Photosensor with PIN2-Based Polar Auxin Transport in Arabidopsis Root Phototropism. Plant Cell, 2012, 24, 551-565. | 3.1 | 113 |
| 82 | Salt stress triggers enhanced cycling of Arabidopsis root plasma-membrane aquaporins. Plant Signaling and Behavior, 2012, 7, 529-532. | 1.2 | 24 |
| 83 | Transcriptome-wide identification and characterization of miRNAs from Pinus densata. BMC Genomics, 2012, 13, 132. | 1.2 | 68 |
| 84 | Identification and characterization of small non-coding RNAs from Chinese fir by high throughput sequencing. BMC Plant Biology, 2012, 12, 146. | 1.6 | 95 |
| 85 | An Arabidopsis Class II Formin, AtFH19, Nucleates Actin Assembly, Binds to the Barbed End of Actin Filaments, and Antagonizes the Effect of AtFH1 on Actin Dynamics<sup>F</sup>. Journal of Integrative Plant Biology, 2012, 54, 800-813. | 4.1 | 20 |
| 86 | Proteomic and Phosphoproteomic Analysis of Picea wilsonii Pollen Development under Nutrient Limitation. Journal of Proteome Research, 2012, 11, 4180-4190. | 1.8 | 19 |
| 87 | Mutation in SUMO E3 ligase, SIZ1, Disrupts the Mature Female Gametophyte in Arabidopsis. PLoS ONE, 2012, 7, e29470. | 1.1 | 28 |
| 88 | A Membrane Microdomain-Associated Protein, Arabidopsis Flot1, Is Involved in a Clathrin-Independent Endocytic Pathway and Is Required for Seedling Development. Plant Cell, 2012, 24, 2105-2122. | 3.1 | 200 |
| 89 | Probing and tracking organelles in living plant cells. Protoplasma, 2012, 249, 157-167. | 1.0 | 10 |
| 90 | Phosphorylation and ubiquitination of dynaminâ€related proteins (AtDRP3A/3B) synergically regulate mitochondrial proliferation during mitosis. Plant Journal, 2012, 72, 43-56. | 2.8 | 32 |

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|---|---|---|---|
| 91 | Net sodium fluxes change significantly at anatomically distinct root zones of rice (Oryza sativa L.) seedlings. Journal of Plant Physiology, 2011, 168, 1249-1255. | 1.6 | 11 |
| 92 | Golgi Apparatus-Localized Synaptotagmin 2 Is Required for Unconventional Secretion in Arabidopsis. PLoS ONE, 2011, 6, e26477. | 1.1 | 51 |
| 93 | Stagnant deoxygenated growth enhances root suberization and lignifications, but differentially affects water and NaCl permeabilities in rice (Oryza sativa L.) roots. Plant, Cell and Environment, 2011, 34, 1223-1240. | 2.8 | 103 |
| 94 | Reliable control for a class of uncertain singular systems with interval time-varying delay. Asian Journal of Control, 2011, 13, 542-552. | 1.9 | 17 |
| 95 | Variable-angle total internal reflection fluorescence microscopy of intact cells of Arabidopsis thaliana. Plant Methods, 2011, 7, 27. | 1.9 | 51 |
| 96 | Casparian strip development and its potential function in salt tolerance. Plant Signaling and Behavior, 2011, 6, 1499-1502. | 1.2 | 98 |
| 97 | Development of Casparian strip in rice cultivars. Plant Signaling and Behavior, 2011, 6, 59-65. | 1.2 | 32 |
| 98 | Single-Molecule Analysis of PIP2;1 Dynamics and Partitioning Reveals Multiple Modes of Arabidopsis Plasma Membrane Aquaporin Regulation Â. Plant Cell, 2011, 23, 3780-3797. | 3.1 | 229 |
| 99 | Arabidopsis R-SNARE Proteins VAMP721 and VAMP722 Are Required for Cell Plate Formation. PLoS ONE, 2011, 6, e26129. | 1.1 | 86 |
| 100 | Analysis of interactions among the CLAVATA3 receptors reveals a direct interaction between CLAVATA2 and CORYNE in Arabidopsis. Plant Journal, 2010, 61, 223-233. | 2.8 | 116 |
| 101 | The speed of mitochondrial movement is regulated by the cytoskeleton and myosin in Picea wilsonii pollen tubes. Planta, 2010, 231, 779-791. | 1.6 | 23 |
| 102 | Disruption of actin filaments induces mitochondrial Ca2+ release to the cytoplasm and [Ca2+]c changes in Arabidopsis root hairs. BMC Plant Biology, 2010, 10, 53. | 1.6 | 36 |
| 103 | Multiple receptor complexes assembled for transmitting CLV3 signaling in Arabidopsis. Plant Signaling and Behavior, 2010, 5, 300-302. | 1.2 | 9 |
| 104 | Study of the Inhibitory Effect of Water-Soluble Fullerenes on Plant Growth at the Cellular Level. ACS Nano, 2010, 4, 5743-5748. | 7.3 | 158 |
| 105 | Calmodulin Binds to Extracellular Sites on the Plasma Membrane of Plant Cells and Elicits a Rise in Intracellular Calcium Concentration. Journal of Biological Chemistry, 2009, 284, 12000-12007. | 1.6 | 35 |
| 106 | Overexpression of PwTUA1, a pollen-specific tubulin gene, increases pollen tube elongation by altering the distribution of Â-tubulin and promoting vesicle transport. Journal of Experimental Botany, 2009, 60, 2737-2749. | 2.4 | 37 |
| 107 | Combined Proteomic and Cytological Analysis of Ca2+-Calmodulin Regulation in Picea meyeri Pollen Tube Growth Â Â. Plant Physiology, 2009, 149, 1111-1126. | 2.3 | 55 |
| 108 | Dynamic changes in flag leaf angle contribute to high photosynthetic capacity. Science Bulletin, 2009, 54, 3045-3052. | 1.7 | 6 |

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| 109 | Nitric oxide modulates the influx of extracellular Ca<sup>2+</sup> and actin filament organization during cell wall construction in Pinus bungeana pollen tubes. New Phytologist, 2009, 182, 851-862. | 3.5 | 82 |
| 110 | Actin Turnover Is Required for Myosin-Dependent Mitochondrial Movements in Arabidopsis Root Hairs. PLoS ONE, 2009, 4, e5961. | 1.1 | 78 |
| 111 | No Detectable Maternal Effects of Elevated CO2 on Arabidopsis thaliana Over 15 Generations. PLoS ONE, 2009, 4, e6035. | 1.1 | 26 |
| 112 | Pollen Viability, Pollination, Seed Set, and Seed Germination of Croftonweed (Eupatorium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td | 0.8 | 17 |
| 113 | Isolation of de-exined pollen and cytological studies of the pollen intines of Pinus bungeana Zucc. Ex Endl. and Picea wilsonii Mast. Flora: Morphology, Distribution, Functional Ecology of Plants, 2008, 203, 332-340. | 0.6 | 23 |
| 114 | Integrative Proteomic and Cytological Analysis of the Effects of Extracellular Ca<sup>2+</sup> Influx on Pinus bungeana Pollen Tube Development. Journal of Proteome Research, 2008, 7, 4299-4312. | 1.8 | 34 |
| 115 | The localization of Rac GTPase in Picea willsonii pollen tubes implies roles in tube growth and the movement of the tube nucleus and sperm cells. Plant Science, 2007, 172, 1210-1217. | 1.7 | 0 |
| 116 | In vitro germination and growth of lily pollen tubes is affected by calcium inhibitor with reference to calcium distribution. Flora: Morphology, Distribution, Functional Ecology of Plants, 2007, 202, 581-588. | 0.6 | 4 |
| 117 | Disruption of Actin Filaments by Latrunculin B Affects Cell Wall Construction in Picea meyeri Pollen Tube by Disturbing Vesicle Trafficking. Plant and Cell Physiology, 2007, 48, 19-30. | 1.5 | 93 |
| 118 | Okadaic acid and trifluoperazine enhance Agrobacterium-mediated transformation in eastern white pine. Plant Cell Reports, 2007, 26, 673-682. | 2.8 | 9 |
| 119 | A rapid, efficient method for the mass production of pollen protoplasts from Pinus bungeana Zucc. ex Endl. and Picea wilsonii Mast.. Flora: Morphology, Distribution, Functional Ecology of Plants, 2006, 201, 74-80. | 0.6 | 4 |
| 120 | Abnormalities in pistil development result in low seed set in Leymus chinensis (Poaceae). Flora: Morphology, Distribution, Functional Ecology of Plants, 2006, 201, 658-667. | 0.6 | 24 |
| 121 | Awns play a dominant role in carbohydrate production during the grain-filling stages in wheat (Triticum aestivum). Physiologia Plantarum, 2006, 127, 701-709. | 2.6 | 92 |
| 122 | Elevated CO 2 induces physiological, biochemical and structural changes in leaves of Arabidopsis thaliana. New Phytologist, 2006, 172, 92-103. | 3.5 | 302 |
| 123 | Differential display proteomic analysis ofPicea meyeripollen germination and pollen-tube growth after inhibition of actin polymerization by latrunculin B. Plant Journal, 2006, 47, 174-195. | 2.8 | 68 |
| 124 | How repeated epiphylly correlates with gene expression of resident knox1 in the leaves of tobacco epiphyllous shoots. Open Life Sciences, 2006, 1, 263-274. | 0.6 | 1 |
| 125 | AgCl precipitates in isolated cuticular membranes reduce rates of cuticular transpiration. Planta, 2006, 223, 283-290. | 1.6 | 34 |
| 126 | Expression of a transcription factor from Capsicum annuum in pine calli counteracts the inhibitory effects of salt stress on adventitious shoot formation. Molecular Genetics and Genomics, 2006, 276, 242-253. | 1.0 | 25 |

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|---|---|---|---|
| 127 | Effects of stem structure and cell wall components on bending strength in wheat. Science Bulletin, 2006, 51, 815-823. | 4.3 | 36 |
| 128 | Protein phosphatases 1 and 2A and the regulation of calcium uptake and pollen tube development in Picea wilsonii. Tree Physiology, 2006, 26, 1001-1012. | 1.4 | 8 |
| 129 | Roles of the Ubiquitin/Proteasome Pathway in Pollen Tube Growth with Emphasis on MG132-Induced Alterations in Ultrastructure, Cytoskeleton, and Cell Wall Components. Plant Physiology, 2006, 141, 1578-1590. | 2.3 | 59 |
| 130 | Imaging of Dynamic Secretory Vesicles in Living Pollen Tubes of Picea meyeri Using Evanescent Wave Microscopy. Plant Physiology, 2006, 141, 1591-1603. | 2.3 | 75 |
| 131 | Inhibition of RNA and protein synthesis in pollen tube development of Pinus bungeana by actinomycin D and cycloheximide. New Phytologist, 2005, 165, 721-730. | 3.5 | 38 |
| 132 | Effects of Brefeldin A on Pollen Germination and Tube Growth. Antagonistic Effects on Endocytosis and Secretion. Plant Physiology, 2005, 139, 1692-1703. | 2.3 | 86 |
| 133 | Casparian Strips in Needles are More Solute Permeable than Endodermal Transport Barriers in Roots of Pinus bungeana. Plant and Cell Physiology, 2005, 46, 1799-1808. | 1.5 | 35 |
| 134 | Microsporogenesis and pollen development in Leymus chinensis with emphasis on dynamic changes in callose deposition. Flora: Morphology, Distribution, Functional Ecology of Plants, 2005, 200, 256-263. | 0.6 | 20 |
| 135 | Heterotrimeric G protein Î±-subunit is localized in the plasma membrane of Pinus bungeana pollen tubes. Plant Science, 2005, 169, 1066-1073. | 1.7 | 7 |
| 136 | Pollen Dispersion, Pollen Viability and Pistil Receptivity in Leymus chinensis. Annals of Botany, 2004, 93, 295-301. | 1.4 | 103 |
| 137 | Activity and distribution of carbonic anhydrase in leaf and ear parts of wheat (Triticum aestivumL.). Plant Science, 2004, 166, 627-632. | 1.7 | 23 |
| 138 | Pollen development in Picea asperata Mast.. Flora: Morphology, Distribution, Functional Ecology of Plants, 2003, 198, 112-117. | 0.6 | 13 |
| 139 | Accumulation of copper by roots, hypocotyls, cotyledons and leaves of sunflower (Helianthus) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 4.8 | 81 |
| 140 | Casparian strips in needles of Pinus bungeana : isolation and chemical characterization. Physiologia Plantarum, 2003, 117, 421-424. | 2.6 | 14 |
| 141 | Effect of GA3 spraying on lignin and auxin contents and the correlated enzyme activities in bayberry (Myrica rubra Bieb.) during flower-bud induction. Plant Science, 2003, 164, 549-556. | 1.7 | 35 |
| 142 | Relationships between tree increment, climate and above-ground biomass of grass: a case study in the typical steppe, north China. Acta Oecologica, 2003, 24, 87-94. | 0.5 | 29 |
| 143 | Boron influences pollen germination and pollen tube growth in Picea meyeri. Tree Physiology, 2003, 23, 345-351. | 1.4 | 103 |
| 144 | Positional variation of antipodal cells in polyembryonic rice Ap III before and after fertilization *. Progress in Natural Science: Materials International, 2003, 13, 814-818. | 1.8 | 0 |

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|---|---|---|---|
| 145 | The extreme drought in the 1920s and its effect on tree growth deduced from tree ring analysis: a case study in North China. Annals of Forest Science, 2003, 60, 145-152. | 0.8 | 93 |
| 146 | Significant overestimation of needle surface area estimates based on needle dimensions in Scots pine (Pinus sylvestris). Canadian Journal of Botany, 2002, 80, 927-932. | 1.2 | 9 |
| 147 | Structure and development of epiphylly in knox -transgenic tobacco. Planta, 2002, 214, 521-525. | 1.6 | 7 |
| 148 | Lignification and lignin heterogeneity for various age classes of bamboo (Phyllostachys pubescens ) stems. Physiologia Plantarum, 2002, 114, 296-302. | 2.6 | 67 |
| 149 | The effect of crown position and tree age on resin-canal density in Scots pine (Pinus sylvestris L.) needles. Canadian Journal of Botany, 2001, 79, 1257-1261. | 1.2 | 4 |
| 150 | Dendroclimatic evaluation of climate-growth relationships of Meyer spruce ( Picea meyeri) on a sandy substrate in semi-arid grassland, north China. Trees - Structure and Function, 2001, 15, 230-235. | 0.9 | 60 |
| 151 | Stomatal density and needle anatomy of Scots pine (Pinus sylvestris ) are affected by elevated CO2. New Phytologist, 2001, 150, 665-674. | 3.5 | 88 |
| 152 | The effect of crown position and tree age on resin-canal density in Scots pine (Pinus sylvestris) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 1.2 | 12 |
| 153 | The occurrence of vertical resin canals in Keteleeria, with reference to its systematic position in Pinaceae. Botanical Journal of the Linnean Society, 2000, 134, 567-574. | 0.8 | 13 |
| 154 | Atomic force microscopic observation on substructure of pollen exine inCedrus deodara andMetasequoia glyptostroboides. Science Bulletin, 2000, 45, 1500-1503. | 1.7 | 5 |
| 155 | Studies on inner wall structure of tracheids inTaxus chinensis with resin casting method. Science Bulletin, 1999, 44, 1379-1382. | 1.7 | 4 |
| 156 | Clonal analysis of the development of the barley ( Hordeum vulgare L.) leaf using periclinal chlorophyll chimeras. Planta, 1999, 207, 335-342. | 1.6 | 14 |
| 157 | Taxonomic significance of extracellular crystals on the phloem fibres of Taxaceae. Flora: Morphology, Distribution, Functional Ecology of Plants, 1998, 193, 173-178. | 0.6 | 3 |