

Jinxing Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153
papers

4,825
citations

42
h-index

63
g-index

162
ext. papers

6,128
ext. citations

7.3
avg, IF

5.47
L-index

#	Paper	IF	Citations
153	Rejuvenation increases leaf biomass and flavonoid accumulation in Ginkgo biloba.. <i>Horticulture Research</i> , 2022 ,	7.7	3
152	Cytology, transcriptomics, and mass spectrometry imaging reveal changes in late-maturation elm (<i>Ulmus pumila</i>) seeds.. <i>Journal of Plant Physiology</i> , 2022 , 271, 153639	3.6	0
151	The Chinese pine genome and methylome unveil key features of conifer evolution.. <i>Cell</i> , 2021 ,	56.2	14
150	Roles of the wound hormone jasmonate in plant regeneration.. <i>Journal of Experimental Botany</i> , 2021 ,	7	3
149	Spatial regulation of RBOHD via AtECA4-mediated recycling and clathrin-mediated endocytosis contributes to ROS accumulation during salt stress response but not flg22-induced immune response. <i>Plant Journal</i> , 2021 ,	6.9	2
148	Age-dependent microRNAs in regulation of vascular cambium activity in Chinese fir (<i>Cunninghamia lanceolata</i>). <i>Trees - Structure and Function</i> , 2021 , 35, 1451-1466	2.6	0
147	Dynamic spatial reorganization of BSK1 complexes in the plasma membrane underpins signal-specific activation for growth and immunity. <i>Molecular Plant</i> , 2021 , 14, 588-603	14.4	5
146	3D Imaging of Lipid-Guided Vesicle Trafficking Along the Cytoskeleton. <i>Trends in Plant Science</i> , 2021 , 26, 421-422	13.1	1
145	Genome-wide DNA mutations in Arabidopsis plants after multigenerational exposure to high temperatures. <i>Genome Biology</i> , 2021 , 22, 160	18.3	7
144	Ginkgo biloba. <i>Trends in Genetics</i> , 2021 , 37, 488-489	8.5	1
143	Synaptotagmins at the endoplasmic reticulum-plasma membrane contact sites maintain diacylglycerol homeostasis during abiotic stress. <i>Plant Cell</i> , 2021 , 33, 2431-2453	11.6	15
142	Transcriptomic and epigenomic remodeling occurs during vascular cambium periodicity in <i>Populus tomentosa</i> . <i>Horticulture Research</i> , 2021 , 8, 102	7.7	1
141	Regulation of cytoskeleton-associated protein activities: Linking cellular signals to plant cytoskeletal function. <i>Journal of Integrative Plant Biology</i> , 2021 , 63, 241-250	8.3	10
140	Coordination of Phospholipid-Based Signaling and Membrane Trafficking in Plant Immunity. <i>Trends in Plant Science</i> , 2021 , 26, 407-420	13.1	6
139	In vivo single-particle tracking of the aquaporin AtPIP2;1 in stomata reveals cell type-specific dynamics. <i>Plant Physiology</i> , 2021 , 185, 1666-1681	6.6	9
138	Plant multiscale networks: charting plant connectivity by multi-level analysis and imaging techniques. <i>Science China Life Sciences</i> , 2021 , 64, 1392-1422	8.5	3
137	A label-free, fast and high-specificity technique for plant cell wall imaging and composition analysis. <i>Plant Methods</i> , 2021 , 17, 29	5.8	1

136	Cross-talk between clathrin-dependent post-Golgi trafficking and clathrin-mediated endocytosis in Arabidopsis root cells. <i>Plant Cell</i> , 2021 , 33, 3057-3075	11.6	7
135	SNARE proteins VAMP721 and VAMP722 mediate the post-Golgi trafficking required for auxin-mediated development in Arabidopsis. <i>Plant Journal</i> , 2021 , 108, 426-440	6.9	1
134	Hydroponic cultivation conditions allowing the reproducible investigation of poplar root suberization and water transport.. <i>Plant Methods</i> , 2021 , 17, 129	5.8	0
133	The RALF1-FERONIA interaction modulates endocytosis to mediate control of root growth in. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	12
132	Systemin-mediated long-distance systemic defense responses. <i>New Phytologist</i> , 2020 , 226, 1573-1582	9.8	10
131	Multifeature analyses of vascular cambial cells reveal longevity mechanisms in old trees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 2201-2210	11.5	39
130	The Tetracentron genome provides insight into the early evolution of eudicots and the formation of vessel elements. <i>Genome Biology</i> , 2020 , 21, 291	18.3	5
129	MiR156 regulates anthocyanin biosynthesis through targets and other microRNAs in poplar. <i>Horticulture Research</i> , 2020 , 7, 118	7.7	29
128	High-efficiency procedure to characterize, segment, and quantify complex multicellularity in raw micrographs in plants. <i>Plant Methods</i> , 2020 , 16, 100	5.8	3
127	Three-dimensional reconstruction of <i>Picea wilsonii</i> Mast. pollen grains using automated electron microscopy. <i>Science China Life Sciences</i> , 2020 , 63, 171-179	8.5	7
126	Organization and dynamics of functional plant membrane microdomains. <i>Cellular and Molecular Life Sciences</i> , 2020 , 77, 275-287	10.3	9
125	The Histone H3K4 Demethylase JMJ16 Represses Leaf Senescence in Arabidopsis. <i>Plant Cell</i> , 2019 , 31, 430-443	11.6	47
124	At the intersection of exocytosis and endocytosis in plants. <i>New Phytologist</i> , 2019 , 224, 1479-1489	9.8	28
123	Advances in Imaging Plant Cell Walls. <i>Trends in Plant Science</i> , 2019 , 24, 867-878	13.1	41
122	TTL Proteins Scaffold Brassinosteroid Signaling Components at the Plasma Membrane to Optimize Signal Transduction in Arabidopsis. <i>Plant Cell</i> , 2019 , 31, 1807-1828	11.6	22
121	Techniques for detecting protein-protein interactions in living cells: principles, limitations, and recent progress. <i>Science China Life Sciences</i> , 2019 , 62, 619-632	8.5	34
120	Development and chemical characterization of Casparian strips in the roots of Chinese fir (<i>Cunninghamia lanceolata</i>). <i>Trees - Structure and Function</i> , 2019 , 33, 827-836	2.6	9
119	Single-Molecule Techniques for Imaging Exo-Endocytosis Coupling in Cells. <i>Trends in Plant Science</i> , 2019 , 24, 879-880	13.1	5

118	Phosphorylation-Mediated Dynamics of Nitrate Transceptor NRT1.1 Regulate Auxin Flux and Nitrate Signaling in Lateral Root Growth. <i>Plant Physiology</i> , 2019 , 181, 480-498	6.6	42
117	Secretion of Phospholipase D Functions as a Regulatory Mechanism in Plant Innate Immunity. <i>Plant Cell</i> , 2019 , 31, 3015-3032	11.6	27
116	Extracting lipid vesicles from plasma membranes via self-assembly of clathrin-inspired scaffolding nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 176, 239-248	6	4
115	Peptide Aptamers to Inhibit Protein Function in Plants. <i>Trends in Plant Science</i> , 2018 , 23, 281-284	13.1	5
114	Exploring the Spatiotemporal Organization of Membrane Proteins in Living Plant Cells. <i>Annual Review of Plant Biology</i> , 2018 , 69, 525-551	30.7	26
113	Arabidopsis Blue Light Receptor Phototropin 1 Undergoes Blue Light-Induced Activation in Membrane Microdomains. <i>Molecular Plant</i> , 2018 , 11, 846-859	14.4	27
112	Expression of tomato prosystemin gene in Arabidopsis reveals systemic translocation of its mRNA and confers necrotrophic fungal resistance. <i>New Phytologist</i> , 2018 , 217, 799-812	9.8	17
111	In vivo cytological and chemical analysis of Casparian strips using stimulated Raman scattering microscopy. <i>Journal of Plant Physiology</i> , 2018 , 220, 136-144	3.6	15
110	Single-Particle Tracking for the Quantification of Membrane Protein Dynamics in Living Plant Cells. <i>Molecular Plant</i> , 2018 , 11, 1315-1327	14.4	20
109	Sterols regulate endocytic pathways during flg22-induced defense responses in. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	26
108	Membrane microdomains and the cytoskeleton constrain AtHIR1 dynamics and facilitate the formation of an AtHIR1-associated immune complex. <i>Plant Journal</i> , 2017 , 90, 3-16	6.9	41
107	The dynamics and endocytosis of Flot1 protein in response to flg22 in Arabidopsis. <i>Journal of Plant Physiology</i> , 2017 , 215, 73-84	3.6	20
106	A modified GFP facilitates counting membrane protein subunits by step-wise photobleaching in Arabidopsis. <i>Journal of Plant Physiology</i> , 2017 , 213, 129-133	3.6	6
105	THESEUS1 positively modulates plant defense responses against Botrytis cinerea through GUANINE EXCHANGE FACTOR4 signaling. <i>Journal of Integrative Plant Biology</i> , 2017 , 59, 797-804	8.3	22
104	Tracking Tonoplast Protein Behaviors in Intact Vacuoles Isolated from Arabidopsis Leaves. <i>Molecular Plant</i> , 2017 , 10, 349-352	14.4	4
103	Transcriptome and Degradome Sequencing Reveals Dormancy Mechanisms of Cunninghamia lanceolata Seeds. <i>Plant Physiology</i> , 2016 , 172, 2347-2362	6.6	19
102	Transcriptional regulation of vascular cambium activity during the transition from juvenile to mature stages in Cunninghamia lanceolata. <i>Journal of Plant Physiology</i> , 2016 , 200, 7-17	3.6	7
101	Seasonal development of cambial activity in relation to xylem formation in Chinese fir. <i>Journal of Plant Physiology</i> , 2016 , 195, 23-30	3.6	10

100	Application of Variable Angle Total Internal Reflection Fluorescence Microscopy to Investigate Protein Dynamics in Intact Plant Cells. <i>Methods in Molecular Biology</i> , 2016 , 1363, 123-32	1.4	1
99	Quantification of Membrane Protein Dynamics and Interactions in Plant Cells by Fluorescence Correlation Spectroscopy. <i>Molecular Plant</i> , 2016 , 9, 1229-1239	14.4	19
98	Gene expression and proteomic analysis of shoot apical meristem transition from dormancy to activation in <i>Cunninghamia lanceolata</i> (Lamb.) Hook. <i>Scientific Reports</i> , 2016 , 6, 19938	4.9	15
97	Differential Regulation of Clathrin and Its Adaptor Proteins during Membrane Recruitment for Endocytosis. <i>Plant Physiology</i> , 2016 , 171, 215-29	6.6	43
96	An Effective and Inducible System of TAL Effector-Mediated Transcriptional Repression in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2016 , 9, 1546-1549	14.4	5
95	Subcellular Redistribution of Root Aquaporins Induced by Hydrogen Peroxide. <i>Molecular Plant</i> , 2015 , 8, 1103-14	14.4	45
94	Endocytosis and its regulation in plants. <i>Trends in Plant Science</i> , 2015 , 20, 388-97	13.1	118
93	Spatiotemporal Dynamics of the BRI1 Receptor and its Regulation by Membrane Microdomains in Living <i>Arabidopsis</i> Cells. <i>Molecular Plant</i> , 2015 , 8, 1334-49	14.4	79
92	Genome-wide analysis reveals dynamic changes in expression of microRNAs during vascular cambium development in Chinese fir, <i>Cunninghamia lanceolata</i> . <i>Journal of Experimental Botany</i> , 2015 , 66, 3041-54	7	28
91	MicroRNA857 Is Involved in the Regulation of Secondary Growth of Vascular Tissues in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015 , 169, 2539-52	6.6	50
90	Single-molecule fluorescence imaging to quantify membrane protein dynamics and oligomerization in living plant cells. <i>Nature Protocols</i> , 2015 , 10, 2054-63	18.8	44
89	Clathrin and Membrane Microdomains Cooperatively Regulate RbohD Dynamics and Activity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014 , 26, 1729-1745	11.6	128
88	γ -Aminobutyric acid (GABA) homeostasis regulates pollen germination and polarized growth in <i>Picea wilsonii</i> . <i>Planta</i> , 2013 , 238, 831-43	4.7	26
87	Dynamic analysis of <i>Arabidopsis</i> AP2 β -subunit reveals a key role in clathrin-mediated endocytosis and plant development. <i>Development (Cambridge)</i> , 2013 , 140, 3826-37	6.6	104
86	The regulation of cambial activity in Chinese fir (<i>Cunninghamia lanceolata</i>) involves extensive transcriptome remodeling. <i>New Phytologist</i> , 2013 , 199, 708-19	9.8	55
85	Probing plasma membrane dynamics at the single-molecule level. <i>Trends in Plant Science</i> , 2013 , 18, 617-24	13.1	35
84	Anatomical and chemical characteristics associated with lodging resistance in wheat. <i>Crop Journal</i> , 2013 , 1, 43-49	4.6	84
83	Fullerene-induced increase of glycosyl residue on living plant cell wall. <i>Environmental Science & Technology</i> , 2013 , 47, 7490-8	10.3	63

82	Reliable dissipative control of discrete-time switched singular systems with mixed time delays and stochastic actuator failures. <i>IET Control Theory and Applications</i> , 2013 , 7, 1447-1462	2.5	38
81	Single-particle analysis reveals shutoff control of the Arabidopsis ammonium transporter AMT1;3 by clustering and internalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13204-9	11.5	68
80	Dynamic analysis of Arabidopsis AP2 β subunit reveals a key role in clathrin-mediated endocytosis and plant development. <i>Journal of Cell Science</i> , 2013 , 126, e1-e1	5.3	
79	Phosphorylation and ubiquitination of dynamin-related proteins (AtDRP3A/3B) synergically regulate mitochondrial proliferation during mitosis. <i>Plant Journal</i> , 2012 , 72, 43-56	6.9	15
78	Transcriptome-wide identification and characterization of miRNAs from <i>Pinus densata</i> . <i>BMC Genomics</i> , 2012 , 13, 132	4.5	46
77	Identification and characterization of small non-coding RNAs from Chinese fir by high throughput sequencing. <i>BMC Plant Biology</i> , 2012 , 12, 146	5.3	66
76	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. <i>Journal of Integrative Plant Biology</i> , 2012 , 54, 800-13	8.3	17
75	Proteomic and phosphoproteomic analysis of <i>Picea wilsonii</i> pollen development under nutrient limitation. <i>Journal of Proteome Research</i> , 2012 , 11, 4180-90	5.6	16
74	Mutation in SUMO E3 ligase, SIZ1, disrupts the mature female gametophyte in Arabidopsis. <i>PLoS ONE</i> , 2012 , 7, e29470	3.7	23
73	A membrane microdomain-associated protein, Arabidopsis Flot1, is involved in a clathrin-independent endocytic pathway and is required for seedling development. <i>Plant Cell</i> , 2012 , 24, 2105-22	11.6	142
72	Probing and tracking organelles in living plant cells. <i>Protoplasma</i> , 2012 , 249 Suppl 2, S157-67	3.4	8
71	The signal transducer NPH3 integrates the phototropin1 photosensor with PIN2-based polar auxin transport in Arabidopsis root phototropism. <i>Plant Cell</i> , 2012 , 24, 551-65	11.6	102
70	Salt stress triggers enhanced cycling of Arabidopsis root plasma-membrane aquaporins. <i>Plant Signaling and Behavior</i> , 2012 , 7, 529-32	2.5	20
69	Net sodium fluxes change significantly at anatomically distinct root zones of rice (<i>Oryza sativa</i> L.) seedlings. <i>Journal of Plant Physiology</i> , 2011 , 168, 1249-55	3.6	11
68	Golgi apparatus-localized synaptotagmin 2 is required for unconventional secretion in Arabidopsis. <i>PLoS ONE</i> , 2011 , 6, e26477	3.7	43
67	Stagnant deoxygenated growth enhances root suberization and lignifications, but differentially affects water and NaCl permeabilities in rice (<i>Oryza sativa</i> L.) roots. <i>Plant, Cell and Environment</i> , 2011 , 34, 1223-40	8.4	75
66	Reliable control for a class of uncertain singular systems with interval time-varying delay. <i>Asian Journal of Control</i> , 2011 , 13, 542-552	1.7	13
65	Variable-angle total internal reflection fluorescence microscopy of intact cells of Arabidopsis thaliana. <i>Plant Methods</i> , 2011 , 7, 27	5.8	46

64	Casparian strip development and its potential function in salt tolerance. <i>Plant Signaling and Behavior</i> , 2011 , 6, 1499-502	2.5	53
63	Development of Casparian strip in rice cultivars. <i>Plant Signaling and Behavior</i> , 2011 , 6, 59-65	2.5	26
62	Single-molecule analysis of PIP2;1 dynamics and partitioning reveals multiple modes of Arabidopsis plasma membrane aquaporin regulation. <i>Plant Cell</i> , 2011 , 23, 3780-97	11.6	178
61	Arabidopsis R-SNARE proteins VAMP721 and VAMP722 are required for cell plate formation. <i>PLoS ONE</i> , 2011 , 6, e26129	3.7	65
60	Multiple receptor complexes assembled for transmitting CLV3 signaling in Arabidopsis. <i>Plant Signaling and Behavior</i> , 2010 , 5, 300-2	2.5	8
59	Study of the inhibitory effect of water-soluble fullerenes on plant growth at the cellular level. <i>ACS Nano</i> , 2010 , 4, 5743-8	16.7	139
58	Analysis of interactions among the CLAVATA3 receptors reveals a direct interaction between CLAVATA2 and CORYNE in Arabidopsis. <i>Plant Journal</i> , 2010 , 61, 223-33	6.9	102
57	The speed of mitochondrial movement is regulated by the cytoskeleton and myosin in <i>Picea wilsonii</i> pollen tubes. <i>Planta</i> , 2010 , 231, 779-91	4.7	19
56	Disruption of actin filaments induces mitochondrial Ca ²⁺ release to the cytoplasm and [Ca ²⁺] _c changes in Arabidopsis root hairs. <i>BMC Plant Biology</i> , 2010 , 10, 53	5.3	29
55	Calmodulin binds to extracellular sites on the plasma membrane of plant cells and elicits a rise in intracellular calcium concentration. <i>Journal of Biological Chemistry</i> , 2009 , 284, 12000-7	5.4	29
54	Overexpression of PWTUA1, a pollen-specific tubulin gene, increases pollen tube elongation by altering the distribution of alpha-tubulin and promoting vesicle transport. <i>Journal of Experimental Botany</i> , 2009 , 60, 2737-49	7	31
53	Combined proteomic and cytological analysis of Ca ²⁺ -calmodulin regulation in <i>Picea meyeri</i> pollen tube growth. <i>Plant Physiology</i> , 2009 , 149, 1111-26	6.6	47
52	Dynamic changes in flag leaf angle contribute to high photosynthetic capacity. <i>Science Bulletin</i> , 2009 , 54, 3045-3052		4
51	Nitric oxide modulates the influx of extracellular Ca ²⁺ and actin filament organization during cell wall construction in <i>Pinus bungeana</i> pollen tubes. <i>New Phytologist</i> , 2009 , 182, 851-862	9.8	77
50	Actin turnover is required for myosin-dependent mitochondrial movements in Arabidopsis root hairs. <i>PLoS ONE</i> , 2009 , 4, e5961	3.7	53
49	No detectable maternal effects of elevated CO ₂ on Arabidopsis thaliana over 15 generations. <i>PLoS ONE</i> , 2009 , 4, e6035	3.7	23
48	Pollen Viability, Pollination, Seed Set, and Seed Germination of Croftonweed (<i>Eupatorium adenophorum</i>) in China. <i>Weed Science</i> , 2008 , 56, 42-51	2	15
47	Isolation of de-exined pollen and cytological studies of the pollen intines of <i>Pinus bungeana</i> Zucc. Ex Endl. and <i>Picea wilsonii</i> Mast. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2008 , 203, 332-340	1.9	20

46	Integrative proteomic and cytological analysis of the effects of extracellular Ca(2+) influx on Pinus bungeana pollen tube development. <i>Journal of Proteome Research</i> , 2008 , 7, 4299-312	5.6	31
45	Okadaic acid and trifluoperazine enhance Agrobacterium-mediated transformation in eastern white pine. <i>Plant Cell Reports</i> , 2007 , 26, 673-82	5.1	8
44	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. <i>Plant Science</i> , 2007 , 172, 1210-1217	5.3	
43	In vitro germination and growth of lily pollen tubes is affected by calcium inhibitor with reference to calcium distribution. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2007 , 202, 581-588	1.9	4
42	Disruption of actin filaments by latrunculin B affects cell wall construction in Picea meyeri pollen tube by disturbing vesicle trafficking. <i>Plant and Cell Physiology</i> , 2007 , 48, 19-30	4.9	81
41	Pollen and Pollen Tube Proteomics 2007 , 270-282		2
40	Effects of stem structure and cell wall components on bending strength in wheat. <i>Science Bulletin</i> , 2006 , 51, 815-823	10.6	23
39	Protein phosphatases 1 and 2A and the regulation of calcium uptake and pollen tube development in Picea wilsonii. <i>Tree Physiology</i> , 2006 , 26, 1001-12	4.2	8
38	Roles of the ubiquitin/proteasome pathway in pollen tube growth with emphasis on MG132-induced alterations in ultrastructure, cytoskeleton, and cell wall components. <i>Plant Physiology</i> , 2006 , 141, 1578-90	6.6	51
37	Imaging of dynamic secretory vesicles in living pollen tubes of Picea meyeri using evanescent wave microscopy. <i>Plant Physiology</i> , 2006 , 141, 1591-603	6.6	71
36	A rapid, efficient method for the mass production of pollen protoplasts from Pinus bungeana Zucc. ex Endl. and Picea wilsonii Mast.. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2006 , 201, 74-80	1.9	4
35	Abnormalities in pistil development result in low seed set in Leymus chinensis (Poaceae). <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2006 , 201, 658-667	1.9	21
34	Awns play a dominant role in carbohydrate production during the grain-filling stages in wheat (Triticum aestivum). <i>Physiologia Plantarum</i> , 2006 , 127, 701-709	4.6	48
33	Elevated CO2 induces physiological, biochemical and structural changes in leaves of Arabidopsis thaliana. <i>New Phytologist</i> , 2006 , 172, 92-103	9.8	233
32	Differential display proteomic analysis of Picea meyeri pollen germination and pollen-tube growth after inhibition of actin polymerization by latrunculin B. <i>Plant Journal</i> , 2006 , 47, 174-95	6.9	64
31	How repeated epiphyllly correlates with gene expression of resident knox1 in the leaves of tobacco epiphyllous shoots. <i>Open Life Sciences</i> , 2006 , 1, 263-274	1.2	1
30	AgCl precipitates in isolated cuticular membranes reduce rates of cuticular transpiration. <i>Planta</i> , 2006 , 223, 283-90	4.7	26
29	Expression of a transcription factor from Capsicum annum in pine calli counteracts the inhibitory effects of salt stress on adventitious shoot formation. <i>Molecular Genetics and Genomics</i> , 2006 , 276, 242-53 ¹		21

28	Microsporogenesis and pollen development in <i>Leymus chinensis</i> with emphasis on dynamic changes in callose deposition. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2005 , 200, 256-263	1.9	17
27	Heterotrimeric G protein β subunit is localized in the plasma membrane of <i>Pinus bungeana</i> pollen tubes. <i>Plant Science</i> , 2005 , 169, 1066-1073	5.3	6
26	Inhibition of RNA and protein synthesis in pollen tube development of <i>Pinus bungeana</i> by actinomycin D and cycloheximide. <i>New Phytologist</i> , 2005 , 165, 721-9	9.8	33
25	Effects of brefeldin A on pollen germination and tube growth. Antagonistic effects on endocytosis and secretion. <i>Plant Physiology</i> , 2005 , 139, 1692-703	6.6	78
24	Casparian strips in needles are more solute permeable than endodermal transport barriers in roots of <i>Pinus bungeana</i> . <i>Plant and Cell Physiology</i> , 2005 , 46, 1799-808	4.9	24
23	Pollen dispersion, pollen viability and pistil receptivity in <i>Leymus chinensis</i> . <i>Annals of Botany</i> , 2004 , 93, 295-301	4.1	81
22	Activity and distribution of carbonic anhydrase in leaf and ear parts of wheat (<i>Triticum aestivum</i> L.). <i>Plant Science</i> , 2004 , 166, 627-632	5.3	17
21	Positional variation of antipodal cells in polyembryonic rice Ap III before and after fertilization. <i>Progress in Natural Science: Materials International</i> , 2003 , 13, 814-818	3.6	
20	The extreme drought in the 1920s and its effect on tree growth deduced from tree ring analysis: a case study in North China. <i>Annals of Forest Science</i> , 2003 , 60, 145-152	3.1	82
19	Pollen development in <i>Picea asperata</i> Mast.. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2003 , 198, 112-117	1.9	12
18	Accumulation of copper by roots, hypocotyls, cotyledons and leaves of sunflower (<i>Helianthus annuus</i> L.). <i>Bioresource Technology</i> , 2003 , 86, 151-5	11	73
17	Casparian strips in needles of <i>Pinus bungeana</i> : isolation and chemical characterization. <i>Physiologia Plantarum</i> , 2003 , 117, 421-424	4.6	11
16	Effect of GA3 spraying on lignin and auxin contents and the correlated enzyme activities in bayberry (<i>Myrica rubra</i> Bieb.) during flower-bud induction. <i>Plant Science</i> , 2003 , 164, 549-556	5.3	28
15	Relationships between tree increment, climate and above-ground biomass of grass: a case study in the typical steppe, north China. <i>Acta Oecologica</i> , 2003 , 24, 87-94	1.7	27
14	Boron influences pollen germination and pollen tube growth in <i>Picea meyeri</i> . <i>Tree Physiology</i> , 2003 , 23, 345-51	4.2	78
13	Structure and development of epiphyllly in knox-transgenic tobacco. <i>Planta</i> , 2002 , 214, 521-5	4.7	7
12	Lignification and lignin heterogeneity for various age classes of bamboo (<i>Phyllostachys pubescens</i>) stems. <i>Physiologia Plantarum</i> , 2002 , 114, 296-302	4.6	45
11	Significant overestimation of needle surface area estimates based on needle dimensions in Scots pine (<i>Pinus sylvestris</i>). <i>Canadian Journal of Botany</i> , 2002 , 80, 927-932		8

10	Dendroclimatic evaluation of climate-growth relationships of Meyer spruce (<i>Picea meyeri</i>) on a sandy substrate in semi-arid grassland, north China. <i>Trees - Structure and Function</i> , 2001 , 15, 230-235	2.6	52
9	Stomatal density and needle anatomy of Scots pine (<i>Pinus sylvestris</i>) are affected by elevated CO ₂ . <i>New Phytologist</i> , 2001 , 150, 665-674	9.8	63
8	The effect of crown position and tree age on resin-canal density in Scots pine (<i>Pinus sylvestris</i> L.) needles. <i>Canadian Journal of Botany</i> , 2001 , 79, 1257-1261		2
7	The effect of crown position and tree age on resin-canal density in Scots pine (<i>Pinus sylvestris</i> L.) needles. <i>Canadian Journal of Botany</i> , 2001 , 79, 1257-1261		12
6	The occurrence of vertical resin canals in <i>Keteleeria</i> , with reference to its systematic position in Pinaceae. <i>Botanical Journal of the Linnean Society</i> , 2000 , 134, 567-574	2.2	10
5	Atomic force microscopic observation on substructure of pollen exine in <i>Cedrus deodara</i> and <i>Metasequoia glyptostroboides</i> . <i>Science Bulletin</i> , 2000 , 45, 1500-1503		5
4	Studies on inner wall structure of tracheids in <i>Taxus chinensis</i> with resin casting method. <i>Science Bulletin</i> , 1999 , 44, 1379-1382		2
3	Clonal analysis of the development of the barley (<i>Hordeum vulgare</i> L.) leaf using periclinal chlorophyll chimeras. <i>Planta</i> , 1999 , 207, 335-342	4.7	11
2	Taxonomic significance of extracellular crystals on the phloem fibres of Taxaceae. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 1998 , 193, 173-178	1.9	2
1	Synaptotagmins Maintain Diacylglycerol Homeostasis at Endoplasmic Reticulum-Plasma Membrane Contact Sites during Abiotic Stress		2