

Knights in Action: Lectin Receptor-Like Kinases in Plan

Molecular Plant

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The use of nanoscale fluorescence microscopic to decipher cell wall modifications during fungal penetration. <i>Frontiers in Plant Science</i> , 2014, 5, 270.	1.7	9
2	Lectin domains at the frontiers of plant defense. <i>Frontiers in Plant Science</i> , 2014, 5, 397.	1.7	213
3	The Receptor-Like Kinase SIT1 Mediates Salt Sensitivity by Activating MAPK3/6 and Regulating Ethylene Homeostasis in Rice. <i>Plant Cell</i> , 2014, 26, 2538-2553.	3.1	203
4	<i>Arabidopsis</i> Lectin Receptor Kinases LecRK-IX.1 and LecRK-IX.2 Are Functional Analogs in Regulating <i>Phytophthora</i> Resistance and Plant Cell Death. <i>Molecular Plant-Microbe Interactions</i> , 2015, 28, 1032-1048.	1.4	78
5	Protein-Carbohydrate Interactions as Part of Plant Defense and Animal Immunity. <i>Molecules</i> , 2015, 20, 9029-9053.	1.7	81
6	The tomato <i>ε3</i> gene: a novel gene for resistance to <i>Fusarium</i> wilt disease. <i>New Phytologist</i> , 2015, 207, 106-118.	3.5	169
7	Plant oligosaccharides – outsiders among elicitors?. <i>Biochemistry (Moscow)</i> , 2015, 80, 881-900.	0.7	12
8	Pea lectin receptor-like kinase functions in salinity adaptation without yield penalty, by alleviating osmotic and ionic stresses and upregulating stress-responsive genes. <i>Plant Molecular Biology</i> , 2015, 88, 193-206.	2.0	58
9	Protein Dynamics in the Plant Extracellular Space. <i>Proteomes</i> , 2016, 4, 22.	1.7	33
10	Identification and Expression Profiling of the Lectin Gene Superfamily in Mulberry. <i>Plant Genome</i> , 2016, 9, plantgenome2015.10.0107.	1.6	22
11	Plant Reproduction: AMOR Enables Males to Respond to Female Signals. <i>Current Biology</i> , 2016, 26, R321-R323.	1.8	9
12	The AMOR Arabinogalactan Sugar Chain Induces Pollen-Tube Competency to Respond to Ovular Guidance. <i>Current Biology</i> , 2016, 26, 1091-1097.	1.8	103
13	Genome-wide identification and domain organization of lectin domains in cucumber. <i>Plant Physiology and Biochemistry</i> , 2016, 108, 165-176.	2.8	23
14	Genome-wide analysis of the lectin receptor-like kinase family in foxtail millet (<i>Setaria italica</i> L.). <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 127, 335-346.	1.2	27
15	Genome-wide analysis of lectin receptor-like kinases in <i>Populus</i> . <i>BMC Genomics</i> , 2016, 17, 699.	1.2	72
16	Transcriptome analysis of genes related to resistance against powdery mildew in wheat-Thinopyrum alien addition disomic line germplasm SN6306. <i>Gene</i> , 2016, 590, 5-17.	1.0	13
17	Polarized Defense Against Fungal Pathogens Is Mediated by the Jacalin-Related Lectin Domain of Modular Poaceae-Specific Proteins. <i>Molecular Plant</i> , 2016, 9, 514-527.	3.9	67
18	An update on cell surface proteins containing extensin-motifs. <i>Journal of Experimental Botany</i> , 2016, 67, 477-487.	2.4	68

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19	Prediction and validation of cis-regulatory elements in 5' upstream regulatory regions of lectin receptor-like kinase gene family in rice. <i>Protoplasma</i> , 2017, 254, 669-684.	1.0	19
20	A cell-free method for expressing and reconstituting membrane proteins enables functional characterization of the plant receptor-like protein kinase FERONIA. <i>Journal of Biological Chemistry</i> , 2017, 292, 5932-5942.	1.6	16
21	The L-type lectin receptor-like kinase (PnLecRLK1) from the Antarctic moss <i>Pohlia nutans</i> enhances chilling-stress tolerance and abscisic acid sensitivity in <i>Arabidopsis</i> . <i>Plant Growth Regulation</i> , 2017, 81, 409-418.	1.8	17
22	Evaluation of multiple approaches to identify genome-wide polymorphisms in closely related genotypes of sweet cherry (<i>Prunus avium</i> L.). <i>Computational and Structural Biotechnology Journal</i> , 2017, 15, 290-298.	1.9	10
23	Molecular Mechanism of Plant Recognition of Extracellular ATP. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1051, 233-253.	0.8	19
24	A Lectin Receptor-Like Kinase Mediates Pattern-Triggered Salicylic Acid Signaling. <i>Plant Physiology</i> , 2017, 174, 2501-2514.	2.3	70
25	Post genomics era for orchid research. , 2017, 58, 61.		29
26	Genome-Wide Screening for Lectin Motifs in <i>Arabidopsis thaliana</i> . <i>Plant Genome</i> , 2017, 10, plantgenome2017.02.0010.	1.6	49
27	An Update on Jacalin-Like Lectins and Their Role in Plant Defense. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1592.	1.8	71
28	Comparative studies on tolerance of rice genotypes differing in their tolerance to moderate salt stress. <i>BMC Plant Biology</i> , 2017, 17, 141.	1.6	51
29	Duplication and diversification of lectin receptor-like kinases (LecRLK) genes in soybean. <i>Scientific Reports</i> , 2018, 8, 5861.	1.6	30
30	Pathogen-Associated Molecular Patterns and Their Perception in Plants. , 2018, , 79-113.		3
31	Classification and phylogenetic analyses of the <i>Arabidopsis</i> and tomato G-type lectin receptor kinases. <i>BMC Genomics</i> , 2018, 19, 239.	1.2	35
32	Genome-wide identification of lectin receptor kinases in pear: Functional characterization of the L-type LecRLK gene PbLRK138. <i>Gene</i> , 2018, 661, 11-21.	1.0	15
33	Cutting in the middleman: hidden substrates at the interface between proteases and plant development. <i>New Phytologist</i> , 2018, 218, 916-922.	3.5	11
34	Capacitation in Plant and Animal Fertilization. <i>Trends in Plant Science</i> , 2018, 23, 129-139.	4.3	12
35	<i>Arabidopsis</i> PRK6 interacts specifically with AtRopGEF8/12 and induces depolarized growth of pollen tubes when overexpressed. <i>Science China Life Sciences</i> , 2018, 61, 100-112.	2.3	27
36	Generation and characterization of expressed sequence tags (ESTs) from coralloid root cDNA library of <i>Cycas debaoensis</i> . <i>Plant Diversity</i> , 2018, 40, 245-252.	1.8	1

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37	Comparative whole genome re-sequencing analysis in upland New Rice for Africa: insights into the breeding history and respective genome compositions. <i>Rice</i> , 2018, 11, 33.	1.7	9
38	Genome-wide classification, evolutionary analysis and gene expression patterns of the kinome in <i>Gossypium</i> . <i>PLoS ONE</i> , 2018, 13, e0197392.	1.1	12
39	Mitogen-Activated Protein Kinase Cascades in Plant Hormone Signaling. <i>Frontiers in Plant Science</i> , 2018, 9, 1387.	1.7	232
40	Callose balancing at plasmodesmata. <i>Journal of Experimental Botany</i> , 2018, 69, 5325-5339.	2.4	91
41	Ectopic Expression of GsSRK in <i>Medicago sativa</i> Reveals Its Involvement in Plant Architecture and Salt Stress Responses. <i>Frontiers in Plant Science</i> , 2018, 9, 226.	1.7	32
42	Transcriptomic analysis between self- and cross-pollinated pistils of tea plants (<i>Camellia sinensis</i>). <i>BMC Genomics</i> , 2018, 19, 289.	1.2	29
43	Genome-Wide Analysis of Lectin Receptor-Like Kinases in Tomato (<i>Solanum lycopersicum</i>) and Its Association with the Infection of Tomato Yellow Leaf Curl Virus. <i>Plant Molecular Biology Reporter</i> , 2018, 36, 429-438.	1.0	14
44	Mediation of plant-mycorrhizal interaction by a lectin receptor-like kinase. <i>Nature Plants</i> , 2019, 5, 676-680.	4.7	42
45	Magnesium Deficiency Induced Global Transcriptome Change in <i>Citrus sinensis</i> Leaves Revealed by RNA-Seq. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3129.	1.8	28
46	Chemical genetic identification of a lectin receptor kinase that transduces immune responses and interferes with abscisic acid signaling. <i>Plant Journal</i> , 2019, 98, 492-510.	2.8	19
47	Transcriptomic Insights into Innate Immunity Responding to Red Rot Disease in Red Alga <i>Pyropia yezoensis</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 5970.	1.8	18
48	Sunflower pan-genome analysis shows that hybridization altered gene content and disease resistance. <i>Nature Plants</i> , 2019, 5, 54-62.	4.7	172
49	Receptor-Like Kinases Control the Development, Stress Response, and Senescence in Plants. , 2019, , 199-210.		8
50	Phellem versus xylem: genome-wide transcriptomic analysis reveals novel regulators of cork formation in cork oak. <i>Tree Physiology</i> , 2020, 40, 129-141.	1.4	21
51	An integrated RNA-Seq and physiological study reveals gene responses involving in the initial imbibition of seed germination in rice. <i>Plant Growth Regulation</i> , 2020, 90, 249-263.	1.8	14
52	Lectin receptor kinase OsLecRK5.7 is required for pollen development and male fertility. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1227-1245.	4.1	24
53	Genome-Wide Association Study of Wood Anatomical and Morphological Traits in <i>Populus trichocarpa</i> . <i>Frontiers in Plant Science</i> , 2020, 11, 545748.	1.7	21
54	A Plant Lectin Receptor-like Kinase Phosphorylates the Bacterial Effector AvrPtoB to Dampen Its Virulence in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2020, 13, 1499-1512.	3.9	20

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56	Transcriptional Modulation of Resistance against <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> Korean Race K2 in japonica Rice. <i>Agronomy</i> , 2020, 10, 960.	1.3	2
57	Regulatory role of receptor-like cytoplasmic kinases in early immune signaling events in plants. <i>FEMS Microbiology Reviews</i> , 2020, 44, 845-856.	3.9	21
58	Genome-Wide Identification and Characterization of Lectin Receptor-Like Kinase Gene Family in Cucumber and Expression Profiling Analysis under Different Treatments. <i>Genes</i> , 2020, 11, 1032.	1.0	15
59	Lectin Receptor-Like Kinases: The Sensor and Mediator at the Plant Cell Surface. <i>Frontiers in Plant Science</i> , 2020, 11, 596301.	1.7	61
60	Transcriptomic data-driven discovery of global regulatory features of rice seeds developing under heat stress. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2556-2567.	1.9	7
61	<i>Arabidopsis</i> Transmembrane Receptor-Like Kinases (RLKs): A Bridge between Extracellular Signal and Intracellular Regulatory Machinery. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4000.	1.8	71
62	Tomato SD1, encoding a kinase-interacting protein, is a major locus controlling stem development. <i>Journal of Experimental Botany</i> , 2020, 71, 3575-3587.	2.4	12
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65	Transcriptome analysis of responses in <i>Brachypodium distachyon</i> overexpressing the BdbZIP26 transcription factor. <i>BMC Plant Biology</i> , 2020, 20, 174.	1.6	2
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67	Individual-based dendrogeomic analysis of forest dieback driven by extreme droughts. <i>Canadian Journal of Forest Research</i> , 2021, 51, 420-432.	0.8	14
68	Genome-wide identification and characterization of Lectin receptor-like kinase (LecRLK) genes in mungbean (<i>Vigna radiata</i> L. Wilczek). <i>Journal of Applied Genetics</i> , 2021, 62, 223-234.	1.0	10
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70	An L-type lectin receptor-like kinase promotes starch accumulation during rice pollen maturation. <i>Development (Cambridge)</i> , 2021, 148, dev196378.	1.2	16
71	Comprehensive transcriptional analysis reveals salt stress-regulated key pathways, hub genes and time-specific responsive gene categories in common bermudagrass (<i>Cynodon dactylon</i> (L.) Pers.) roots. <i>BMC Plant Biology</i> , 2021, 21, 175.	1.6	15
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74	Transcriptome and DNA Methylome Reveal Insights Into Phytoplasma Infection Responses in Mulberry (<i>Morus multicaulis</i> Perr.). <i>Frontiers in Plant Science</i> , 2021, 12, 697702.	1.7	9
75	Mapping and mining of major genomic regions conferring resistance to Bruchine (<i>Callosobruchus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	4
76	A balancing act: the role of a lectin receptor kinase in determining seed size and quantity. <i>Plant Physiology</i> , 2021, 187, 21-23.	2.3	0
77	Immunoprecipitation of Plasma Membrane Receptor-Like Kinases for Identification of Phosphorylation Sites and Associated Proteins. <i>Methods in Molecular Biology</i> , 2016, 1363, 133-144.	0.4	30
78	Identification and functional analysis of <i>LecRLK</i> genes in <i>Taxodium</i> "Zhongshanshan"™. <i>PeerJ</i> , 2019, 7, e7498.	0.9	7
79	Genome-wide analysis of lectin receptor-like kinases family from potato (<i>Solanum tuberosum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.9	10
82	A C-type lectin receptor-like kinase regulates the perception of oomycete apoplastic expansin-like proteins. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 183-201.	4.1	21
83	Genome-wide analysis of lectin receptor-like kinases (LecRLKs) in sweet cherry (<i>Prunus avium</i>) and reveals PaLectinL16 enhances sweet cherry resistance with salt stress. <i>Environmental and Experimental Botany</i> , 2022, 194, 104751.	2.0	7
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87	Genome wide study of cysteine rich receptor like proteins in <i>Gossypium</i> sp.. <i>Scientific Reports</i> , 2022, 12, 4885.	1.6	12
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104	The Apple Receptor-Like Kinase MdSRLK3 Positively Regulates Resistance Against Pathogenic Fungus <i>Valsa mali</i> by Affecting the Ca ²⁺ Signaling Pathway. <i>Phytopathology</i> , 2022, 112, 2187-2197.	1.1	6
105	Genomics and Pathways Involved in Maize Resistance to <i>Fusarium</i> Ear Rot and Kernel Contamination With Fumonisin. <i>Frontiers in Plant Science</i> , 2022, 13, 866478.	1.7	8
106	Plasma Membrane-Associated Proteins Identified in <i>Arabidopsis</i> Wild Type, <i>lbr2-2</i> and <i>bak1-4</i> Mutants Treated with LPSs from <i>Pseudomonas syringae</i> and <i>Xanthomonas campestris</i> . <i>Membranes</i> , 2022, 12, 606.	1.4	1
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109	Overexpression of a Phosphatidylinositol-Specific Phospholipase C Gene from <i>Populus simonii</i> P. nigra Improves Salt Tolerance in Transgenic Tobacco. <i>Journal of Plant Biology</i> , 0, , .	0.9	3
110	The L-Type Lectin-like Receptor Kinase Gene <i>TalecRK-IV.1</i> Regulates the Plant Height in Wheat. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8208.	1.8	6
111	Defense Surveillance System at the Interface: Response of Rice Towards <i>Rhizoctonia solani</i> During Sheath Blight Infection. <i>Molecular Plant-Microbe Interactions</i> , 2022, 35, 1081-1095.	1.4	1
112	TMT-based quantitative membrane proteomics identified PRRs potentially involved in the perception of MSP1 in rice leaves. <i>Journal of Proteomics</i> , 2022, 267, 104687.	1.2	12
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114	Analysis of lectin receptor-like kinases and their functions in higher plants. , 2023, , 139-154.		1
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116	Role of receptor-like kinases in plant-pathogen interaction. , 2023, , 121-147.		0
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119	Genetic dissection of crown root traits and their relationships with aboveground agronomic traits in maize. <i>Journal of Integrative Agriculture</i> , 2023, 22, 3394-3407.	1.7	3
123	Signaling Pathway of Reactive Oxygen Species in Crop Plants Under Abiotic Stress. , 2023, , 249-262.		0