

A Peptide Hormone and Its Receptor Protein Kinase Re

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Maturation processes and structures of small secreted peptides in plants. <i>Frontiers in Plant Science</i> , 2014, 5, 311.	1.7	33
2	Maleâ€“female communication triggers calcium signatures during fertilization in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2014, 5, 4645.	5.8	146
3	Antagonistic relationship between AtRALF1 and brassinosteroid regulates cell expansion-related genes. <i>Plant Signaling and Behavior</i> , 2014, 9, e976146.	1.2	18
4	The beginning of a seed: regulatory mechanisms of double fertilization. <i>Frontiers in Plant Science</i> , 2014, 5, 452.	1.7	69
5	The Secreted Peptide PIP1 Amplifies Immunity through Receptor-Like Kinase 7. <i>PLoS Pathogens</i> , 2014, 10, e1004331.	2.1	186
6	Extracellular signals and receptor-like kinases regulating ROP GTPases in plants. <i>Frontiers in Plant Science</i> , 2014, 5, 449.	1.7	33
7	Peptide Ligands in Plants. <i>The Enzymes</i> , 2014, 35, 85-112.	0.7	2
8	Multiple Roles of the Plasma Membrane H ⁺ -ATPase and Its Regulation. <i>The Enzymes</i> , 2014, 35, 191-211.	0.7	9
9	Signaling Peptides in Plants. <i>Cell & Developmental Biology</i> , 2014, 03, .	0.3	15
10	A Calcium Dialog Mediated by the FERONIA Signal Transduction Pathway Controls Plant Sperm Delivery. <i>Developmental Cell</i> , 2014, 29, 491-500.	3.1	172
11	An update on receptor-like kinase involvement in the maintenance of plant cell wall integrity. <i>Annals of Botany</i> , 2014, 114, 1339-1347.	1.4	92
12	To Grow or Not to Grow: FERONIA Has Her Say. <i>Molecular Plant</i> , 2014, 7, 1261-1263.	3.9	8
13	Knowing your friends and foes â€“ plant receptorâ€“like kinases as initiators of symbiosis or defence. <i>New Phytologist</i> , 2014, 204, 791-802.	3.5	130
14	Phosphoproteomic Analyses Reveal Early Signaling Events in the Osmotic Stress Response. <i>Plant Physiology</i> , 2014, 165, 1171-1187.	2.3	77
15	Across the great divide: the plant cell surface continuum. <i>Current Opinion in Plant Biology</i> , 2014, 22, 132-140.	3.5	28
16	The Receptor-like Kinase FERONIA Is Required for Mechanical Signal Transduction in <i>Arabidopsis</i> Seedlings. <i>Current Biology</i> , 2014, 24, 1887-1892.	1.8	267
17	Receptor kinaseâ€“mediated control of primary active proton pumping at the plasma membrane. <i>Plant Journal</i> , 2014, 80, 951-964.	2.8	112
18	Ca ²⁺ signalling in plant immune response: from pattern recognition receptors to Ca ²⁺ decoding mechanisms. <i>New Phytologist</i> , 2014, 204, 782-790.	3.5	148

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19	Ca ²⁺ -Activated Reactive Oxygen Species Production by <i>Arabidopsis</i> RbohH and RbohJ Is Essential for Proper Pollen Tube Tip Growth. <i>Plant Cell</i> , 2014, 26, 1069-1080.	3.1	243
20	Endogenous peptide ligand-receptor systems for diverse signaling networks in plants. <i>Current Opinion in Plant Biology</i> , 2014, 21, 140-146.	3.5	36
21	Growth Control: A Saga of Cell Walls, ROS, and Peptide Receptors. <i>Plant Cell</i> , 2014, 26, 1848-1856.	3.1	100
22	From Receptor-Like Kinases to Calcium Spikes: What Are the Missing Links?. <i>Molecular Plant</i> , 2014, 7, 1501-1504.	3.9	12
23	Understanding the RALF family: a tale of many species. <i>Trends in Plant Science</i> , 2014, 19, 664-671.	4.3	131
24	Tools and Strategies to Match Peptide-Ligand Receptor Pairs. <i>Plant Cell</i> , 2014, 26, 1838-1847.	3.1	98
25	Phosphoproteomics in photosynthetic organisms. <i>Electrophoresis</i> , 2014, 35, 3441-3451.	1.3	3
26	<i>FERONIA</i> receptor kinase interacts with <i>S</i> -adenosylmethionine synthetase and suppresses <i>S</i> -adenosylmethionine production and ethylene biosynthesis in <i>A. thaliana</i> . <i>Plant, Cell and Environment</i> , 2015, 38, 2566-2574.	2.8	98
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28	Phosphoproteomics-based peptide ligand-receptor kinase pairing. Commentary on: "A peptide hormone and its receptor protein kinase regulate plant cell expansion". <i>Frontiers in Plant Science</i> , 2015, 6, 224.	1.7	9
29	Effect of ovary induction on bread wheat anther culture: ovary genotype and developmental stage, and candidate gene association. <i>Frontiers in Plant Science</i> , 2015, 6, 402.	1.7	25
31	The Yin and Yang of Cell Wall Integrity Control: Brassinosteroid and <i>FERONIA</i> Signaling. <i>Plant and Cell Physiology</i> , 2015, 56, 224-231.	1.5	56
32	A mechanism of growth inhibition by abscisic acid in germinating seeds of <i>Arabidopsis thaliana</i> based on inhibition of plasma membrane H ⁺ -ATPase and decreased cytosolic pH, K ⁺ , and anions. <i>Journal of Experimental Botany</i> , 2015, 66, 813-825.	2.4	71
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35	At the border: the plasma membrane-cell wall continuum. <i>Journal of Experimental Botany</i> , 2015, 66, 1553-1563.	2.4	82
36	Plasma membrane H ⁺ -ATPase is involved in methyl jasmonate-induced root hair formation in lettuce (<i>Lactuca sativa</i> L.) seedlings. <i>Plant Cell Reports</i> , 2015, 34, 1025-1036.	2.8	7
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38	Signals fly when kinases meet Rho-of-plants (ROP) small G-proteins. <i>Plant Science</i> , 2015, 237, 93-107.	1.7	23
39	Receptor protein kinase FERONIA controls leaf starch accumulation by interacting with glyceraldehyde-3-phosphate dehydrogenase. <i>Biochemical and Biophysical Research Communications</i> , 2015, 465, 77-82.	1.0	57
40	A Receptor-Like Kinase, Related to Cell Wall Sensor of Higher Plants, is Required for Sexual Reproduction in the Unicellular Charophycean Alga, <i>Closterium peracerosum</i> – <i>strigosum</i> – <i>littorale</i> Complex. <i>Plant and Cell Physiology</i> , 2015, 56, 1456-1462.	1.5	25
41	Plant elicitor peptides in induced defense against insects. <i>Current Opinion in Insect Science</i> , 2015, 9, 44-50.	2.2	29
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43	Peptide signalling during the pollen tube journey and double fertilization. <i>Journal of Experimental Botany</i> , 2015, 66, 5139-5150.	2.4	111
44	TURAN and EVAN Mediate Pollen Tube Reception in Arabidopsis Synergids through Protein Glycosylation. <i>PLoS Biology</i> , 2015, 13, e1002139.	2.6	55
45	Calcium Signaling during Reproduction and Biotrophic Fungal Interactions in Plants. <i>Molecular Plant</i> , 2015, 8, 595-611.	3.9	44
46	Genome-wide identification and analysis of <i>Catharanthus roseus</i> RLK1-like kinases in rice. <i>Planta</i> , 2015, 241, 603-613.	1.6	55
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48	Mapping of a Cellulose-Deficient Mutant Named <i>dwarf1-1</i> in <i>Sorghum bicolor</i> to the Green Revolution Gene <i>gibberellin20-oxidase</i> Reveals a Positive Regulatory Association between Gibberellin and Cellulose Biosynthesis. <i>Plant Physiology</i> , 2015, 169, 705-716.	2.3	37
49	Cytoskeletal Components Define Protein Location to Membrane Microdomains*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2493-2509.	2.5	45
50	The state of cell wall pectin monitored by wall associated kinases: A model. <i>Plant Signaling and Behavior</i> , 2015, 10, e1035854.	1.2	32
51	Receptor-like cytoplasmic kinase MARIS functions downstream of <i>Cr</i> RLK1L-dependent signaling during tip growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12211-12216.	3.3	125
52	Regulation of the plasma membrane proton pump (H ⁺ -ATPase) by phosphorylation. <i>Current Opinion in Plant Biology</i> , 2015, 28, 68-75.	3.5	142
53	Functional analysis of related <i>Cr</i> RLK1L receptor-like kinases in pollen tube reception. <i>EMBO Reports</i> , 2015, 16, 107-115.	2.0	82
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58	The Poplar Rust-Induced Secreted Protein (RISP) Inhibits the Growth of the Leaf Rust Pathogen <i>Melampsora larici-populina</i> and Triggers Cell Culture Alkalinisation. <i>Frontiers in Plant Science</i> , 2016, 7, 97.	1.7	11
59	Comprehensive Analysis of the Membrane Phosphoproteome Regulated by Oligogalacturonides in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1107.	1.7	43
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61	ROS Regulation of Polar Growth in Plant Cells. <i>Plant Physiology</i> , 2016, 171, 1593-1605.	2.3	106
62	Cellulose Deficiency Is Enhanced on Hyper Accumulation of Sucrose by a H ⁺ -Coupled Sucrose Symporter. <i>Plant Physiology</i> , 2016, 171, 110-124.	2.3	57
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64	Receptor kinase complex transmits RALF peptide signal to inhibit root growth in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8326-E8334.	3.3	138
65	Two FERONIA-like receptor (FLR) genes are required to maintain architecture, fertility, and seed yield in rice. <i>Molecular Breeding</i> , 2016, 36, 1.	1.0	34
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67	A SDD1-like subtilase is exuded by tobacco roots. <i>Functional Plant Biology</i> , 2016, 43, 141.	1.1	8
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69	Proteome Modification in Tomato Plants upon Long-Term Aluminum Treatment. <i>Journal of Proteome Research</i> , 2016, 15, 1670-1684.	1.8	37
70	Comprehensive analysis of plant rapid alkalization factor (RALF) genes. <i>Plant Physiology and Biochemistry</i> , 2016, 106, 82-90.	2.8	55
71	The Role of LORELEI in Pollen Tube Reception at the Interface of the Synergid Cell and Pollen Tube Requires the Modified Eight-Cysteine Motif and the Receptor-Like Kinase FERONIA. <i>Plant Cell</i> , 2016, 28, 1035-1052.	3.1	90
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73	Rapid Oligo-Galacturonide Induced Changes in Protein Phosphorylation in <i>Arabidopsis</i> . <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1351-1359.	2.5	47

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74	Expression of a constitutively activated plasma membrane H ⁺ -ATPase in <i>Nicotiana tabacum</i> BY-2 cells results in cell expansion. <i>Planta</i> , 2016, 244, 1109-1124.	1.6	14
75	The Regulation of Plant Cell Expansion: Auxin-Induced Turgor-Driven Cell Elongation. , 2016, , 156-173.		3
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77	A dual mechanism of cellulose deficiency in <i>shv3svl1</i> . <i>Plant Signaling and Behavior</i> , 2016, 11, e1218108.	1.2	5
78	Auxin Influx Carrier AUX1 Confers Acid Resistance for <i>Arabidopsis</i> Root Elongation Through the Regulation of Plasma Membrane H ⁺ -ATPase. <i>Plant and Cell Physiology</i> , 2016, 57, 2194-2201.	1.5	40
79	Growing Out of Stress: The Role of Cell- and Organ-Scale Growth Control in Plant Water-Stress Responses. <i>Plant Cell</i> , 2016, 28, 1769-1782.	3.1	138
80	FERONIA interacts with ABI2-type phosphatases to facilitate signaling cross-talk between abscisic acid and RALF peptide in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5519-27.	3.3	185
81	Rapid hyperosmotic-induced Ca ²⁺ responses in <i>Arabidopsis thaliana</i> exhibit sensory potentiation and involvement of plastidial KEA transporters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5242-9.	3.3	81
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84	Developing a “thick skin”: a paradoxical role for mechanical tension in maintaining epidermal integrity?. <i>Development (Cambridge)</i> , 2016, 143, 3249-3258.	1.2	30
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95	Auxin and Cellular Elongation. <i>Plant Physiology</i> , 2016, 170, 1206-1215.	2.3	87
96	Mass Spectrometry in Plant-omics. <i>Analytical Chemistry</i> , 2016, 88, 3422-3434.	3.2	68
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98	Cell wall integrity signaling in plants: "To grow or not to grow that's the question". <i>Glycobiology</i> , 2016, 26, 950-960.	1.3	161
99	Tip-localized receptors control pollen tube growth and LURE sensing in <i>Arabidopsis</i> . <i>Nature</i> , 2016, 531, 245-248.	13.7	260
100	Fertilization Mechanisms in Flowering Plants. <i>Current Biology</i> , 2016, 26, R125-R139.	1.8	229
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103	Cell wall-associated kinases and pectin perception. <i>Journal of Experimental Botany</i> , 2016, 67, 489-494.	2.4	161
104	Phosphoproteomics in the Age of Rapid and Deep Proteome Profiling. <i>Analytical Chemistry</i> , 2016, 88, 74-94.	3.2	217
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106	The receptor kinase FER is a RALF-regulated scaffold controlling plant immune signaling. <i>Science</i> , 2017, 355, 287-289.	6.0	541
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108	Regulatory peptides in plants. <i>Biochemistry (Moscow)</i> , 2017, 82, 89-94.	0.7	8
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110	Plant cell wall signalling and receptor-like kinases. <i>Biochemical Journal</i> , 2017, 474, 471-492.	1.7	142
111	Evolution, expression analysis, and functional verification of <i>Catharanthus roseus</i> RLK1-like kinase (CrRLK1L) family proteins in pear (<i>Pyrus bretschneideri</i>). <i>Genomics</i> , 2017, 109, 290-301.	1.3	25
112	The Molecular Dialog between Flowering Plant Reproductive Partners Defined by SNP-Informed RNA-Sequencing. <i>Plant Cell</i> , 2017, 29, 984-1006.	3.1	32
113	FERONIA Receptor Kinase at the Crossroads of Hormone Signaling and Stress Responses. <i>Plant and Cell Physiology</i> , 2017, 58, 1143-1150.	1.5	83
114	Blue Light Regulation of Stomatal Opening and the Plasma Membrane H ⁺ -ATPase. <i>Plant Physiology</i> , 2017, 174, 531-538.	2.3	181
115	Signaling with Ions: The Keystone for Apical Cell Growth and Morphogenesis in Pollen Tubes. <i>Plant Physiology</i> , 2017, 173, 91-111.	2.3	110
116	Comparative morphology and transcriptome analysis reveals distinct functions of the primary and secondary laticifer cells in the rubber tree. <i>Scientific Reports</i> , 2017, 7, 3126.	1.6	17
117	Small peptide signaling pathways modulating macronutrient utilization in plants. <i>Current Opinion in Plant Biology</i> , 2017, 39, 31-39.	3.5	28
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121	Bound by Fate: The Role of Reactive Oxygen Species in Receptor-Like Kinase Signaling. <i>Plant Cell</i> , 2017, 29, 638-654.	3.1	116
122	Galactose-binding lectin from mulberry (<i>Morus alba</i> L.) seeds with growth hormone-like activity. <i>Annals of Agrarian Science</i> , 2017, 15, 26-30.	1.2	0
123	Ligand Receptor-Mediated Regulation of Growth in Plants. <i>Current Topics in Developmental Biology</i> , 2017, 123, 331-363.	1.0	15
124	Receptor Kinases in Plant-Pathogen Interactions: More Than Pattern Recognition. <i>Plant Cell</i> , 2017, 29, 618-637.	3.1	552
125	Molecular networks orchestrating plant cell growth. <i>Current Opinion in Plant Biology</i> , 2017, 35, 98-104.	3.5	29
126	Extracellular Alkalinization Assay for the Detection of Early Defense Response. <i>Current Protocols in Plant Biology</i> , 2017, 2, 210-220.	2.8	11
127	Sensing Danger: Key to Activating Plant Immunity. <i>Trends in Plant Science</i> , 2017, 22, 779-791.	4.3	300
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130	RALF4/19 peptides interact with LRX proteins to control pollen tube growth in <i>Arabidopsis</i> . <i>Science</i> , 2017, 358, 1600-1603.	6.0	239
131	Differential Regulation of Two-Tiered Plant Immunity and Sexual Reproduction by ANXUR Receptor-Like Kinases. <i>Plant Cell</i> , 2017, 29, 3140-3156.	3.1	89
132	The pH of the Apoplast: Dynamic Factor with Functional Impact Under Stress. <i>Molecular Plant</i> , 2017, 10, 1371-1386.	3.9	139
133	One new kind of phytohormonal signaling integrator: Up-and-coming GASA family genes. <i>Plant Signaling and Behavior</i> , 2017, 12, e1226453.	1.2	34
134	Connecting Homogalacturonan-Type Pectin Remodeling to Acid Growth. <i>Trends in Plant Science</i> , 2017, 22, 20-29.	4.3	189
135	Complex regulation of plant sex by peptides. <i>Science</i> , 2017, 358, 1544-1545.	6.0	10
136	A Comprehensive Analysis of RALF Proteins in Green Plants Suggests There Are Two Distinct Functional Groups. <i>Frontiers in Plant Science</i> , 2017, 8, 37.	1.7	84
137	A FERONIA-Like Receptor Kinase Regulates Strawberry (<i>Fragaria × ananassa</i>) Fruit Ripening and Quality Formation. <i>Frontiers in Plant Science</i> , 2017, 8, 1099.	1.7	30
138	Two FERONIA-Like Receptor Kinases Regulate Apple Fruit Ripening by Modulating Ethylene Production. <i>Frontiers in Plant Science</i> , 2017, 8, 1406.	1.7	27
139	Role of CrRLK1L Cell Wall Sensors HERCULES1 and 2, THESEUS1, and FERONIA in Growth Adaptation Triggered by Heavy Metals and Trace Elements. <i>Frontiers in Plant Science</i> , 2017, 8, 1554.	1.7	50
140	Highly Efficient Single-Step Enrichment of Low Abundance Phosphopeptides from Plant Membrane Preparations. <i>Frontiers in Plant Science</i> , 2017, 8, 1673.	1.7	24
141	The Kinase ERULUS Controls Pollen Tube Targeting and Growth in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1942.	1.7	31
142	Functional and Structural Characterization of a Receptor-Like Kinase Involved in Germination and Cell Expansion in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 1999.	1.7	9
143	Peptide hormones. , 2017, , 361-404.		3
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145	Plant Lectins and Lectin Receptor-Like Kinases: How Do They Sense the Outside?. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1164.	1.8	116
146	Signaling Peptides: Hidden Molecular Messengers of Abiotic Stress Perception and Response in Plants. , 2018, , 95-125.		4

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147	Plant Physiology: FERONIA Defends the Cell Walls against Corrosion. <i>Current Biology</i> , 2018, 28, R215-R217.	1.8	9
148	The Auxin-Regulated CrRLK1L Kinase ERULUS Controls Cell Wall Composition during Root Hair Tip Growth. <i>Current Biology</i> , 2018, 28, 722-732.e6.	1.8	113
149	From Aspartate to Ethylene: Central Role of N, C, and S Shuttles by Aminotransferases During Biosynthesis of a Major Plant Growth Hormone. <i>Progress in Botany Fortschritte Der Botanik</i> , 2018, , 253-293.	0.1	7
150	Time Bomb for Pollen Tubes: Peptide RALF-Mediated Signaling. <i>Molecular Plant</i> , 2018, 11, 518-520.	3.9	2
151	The FERONIA Receptor Kinase Maintains Cell-Wall Integrity during Salt Stress through Ca ²⁺ Signaling. <i>Current Biology</i> , 2018, 28, 666-675.e5.	1.8	526
152	Pathogen Trojan Horse Delivers Bioactive Host Protein to Alter Maize Anther Cell Behavior in Situ. <i>Plant Cell</i> , 2018, 30, 528-542.	3.1	23
153	Signaling Peptides and Receptors Coordinating Plant Root Development. <i>Trends in Plant Science</i> , 2018, 23, 337-351.	4.3	79
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