CITATION REPORT List of articles citing

BSKs mediate signal transduction from the receptor kinase BRI1 in Arabidopsis

DOI: 10.1126/science.1156973 Science, 2008, 321, 557-60.

Source: https://exaly.com/paper-pdf/44517884/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
532	Cognitive neuroscience: searching for the bottleneck in the brain. 2008 , 18, R965-8		13
531	Plant signaling: brassinosteroids, immunity and effectors are BAK!. 2008 , 18, R963-5		17
530	. 2009,		11
529	BRASSINOSTEROID UPREGULATED1, encoding a helix-loop-helix protein, is a novel gene involved in brassinosteroid signaling and controls bending of the lamina joint in rice. 2009 , 151, 669-80		157
528	Three related receptor-like kinases are required for optimal cell elongation in Arabidopsis thaliana. 2009 , 106, 7648-53		250
527	Mechanisms of brassinosteroids interacting with multiple hormones. 2009 , 4, 1117-20		44
526	Function of alpha subunit of heterotrimeric G protein in brassinosteroid response of rice plants. 2009 , 4, 126-8		18
525	Brassinosteroids counteract abscisic acid in germination and growth of Arabidopsis. 2009 , 64, 225-30		27
524	A family of receptor-like kinases are regulated by BES1 and involved in plant growth in Arabidopsis thaliana. 2009 , 4, 784-6		50
523	BIN2 functions redundantly with other Arabidopsis GSK3-like kinases to regulate brassinosteroid signaling. 2009 , 150, 710-21		137
522	Function of the alpha subunit of rice heterotrimeric G protein in brassinosteroid signaling. 2009 , 50, 16	1-72	62
521	A leaky mutation in DWARF4 reveals an antagonistic role of brassinosteroid in the inhibition of root growth by jasmonate in Arabidopsis. 2009 , 151, 1412-20		90
520	Brassinosteroids Confer Stress Tolerance. 119-135		21
519	Brassinosteroid: a biotechnological target for enhancing crop yield and stress tolerance. 2009 , 26, 131-	6	266
518	Advances in the regulation and crosstalks of phytohormones. 2009 , 54, 4069-4082		6
517	Arabidopsis MYB30 is a direct target of BES1 and cooperates with BES1 to regulate brassinosteroid-induced gene expression. 2009 , 58, 275-86		176
516	Impact of segmental chromosomal duplications on leaf size in the grandifolia-D mutants of Arabidopsis thaliana. 2009 , 60, 122-33		42

(2010-2009)

515	DWARF AND LOW-TILLERING, a new member of the GRAS family, plays positive roles in brassinosteroid signaling in rice. 2009 , 58, 803-16	222
514	Membrane steroid-binding protein 1 (MSBP1) negatively regulates brassinosteroid signaling by enhancing the endocytosis of BAK1. 2009 , 19, 864-76	47
513	Receptor-like kinases shape the plant. 2009 , 11, 1166-73	208
512	Brassinosteroid signal transduction from cell-surface receptor kinases to nuclear transcription factors. 2009 , 11, 1254-60	430
511	Phosphoproteomics reveals new ERK MAP kinase targets and links ERK to nucleoporin-mediated nuclear transport. 2009 , 16, 1026-35	129
510	Plant proteomics update (2007-2008): Second-generation proteomic techniques, an appropriate experimental design, and data analysis to fulfill MIAPE standards, increase plant proteome coverage and expand biological knowledge. 2009 , 72, 285-314	174
509	The primary signaling outputs of brassinosteroids are regulated by abscisic acid signaling. 2009 , 106, 4543-8	208
508	Auxin, Brassinosteroids, and G-Protein Signaling. 2010 , 135-154	3
507	Application of FLIM-FIDSAM for the in vivo analysis of hormone competence of different cell types. 2010 , 398, 1919-25	12
506	Predominant actions of cytosolic BSU1 and nuclear BIN2 regulate subcellular localization of BES1 in brassinosteroid signaling. 2010 , 29, 291-6	73
505	Phosphorylation dependent nucleocytoplasmic shuttling of BES1 is a key regulatory event in brassinosteroid signaling. 2010 , 29, 283-90	72
504	Advances in genome studies: The PAG 2010 conference. 2010 , 10, 1-9	4
503	Proteomics shed light on the brassinosteroid signaling mechanisms. 2010 , 13, 27-33	54
502	Omics meet networks - using systems approaches to infer regulatory networks in plants. 2010 , 13, 126-31	109
501	Complex signals for simple cells: the expanding ranks of signals and receptors guiding stomatal development. 2010 , 13, 548-55	35
500	Multi-tasking of somatic embryogenesis receptor-like protein kinases. 2010 , 13, 509-14	90
499	Brassinosteroids control AtEXPA5 gene expression in Arabidopsis thaliana. 2010 , 71, 380-7	59
498	Proteomic study identifies proteins involved in brassinosteroid regulation of rice growth. 2010 , 52, 1075-85	24

497	CLAVATA2 forms a distinct CLE-binding receptor complex regulating Arabidopsis stem cell specification. 2010 , 63, 889-900	131
496	ASKtheta, a group-III Arabidopsis GSK3, functions in the brassinosteroid signalling pathway. 2010 , 62, 215-23	66
495	Intragenic suppression of a trafficking-defective brassinosteroid receptor mutant in Arabidopsis. 2010 , 185, 1283-96	17
494	Monitoring the outside: cell wall-sensing mechanisms. 2010 , 153, 1445-52	74
493	Regulation of Arabidopsis brassinosteroid signaling by atypical basic helix-loop-helix proteins. 2009 , 21, 3781-91	131
492	TCP1 modulates brassinosteroid biosynthesis by regulating the expression of the key biosynthetic gene DWARF4 in Arabidopsis thaliana. 2010 , 22, 1161-73	144
491	Activation-tagged suppressors of a weak brassinosteroid receptor mutant. 2010 , 3, 260-8	17
490	Dramatic change in function and expression pattern of a gene duplicated by polyploidy created a paternal effect gene in the Brassicaceae. 2010 , 27, 2817-28	57
489	Arabidopsis IWS1 interacts with transcription factor BES1 and is involved in plant steroid hormone brassinosteroid regulated gene expression. 2010 , 107, 3918-23	115
488	A receptor-like cytoplasmic kinase, BIK1, associates with a flagellin receptor complex to initiate plant innate immunity. 2010 , 107, 496-501	511
487	Antagonistic HLH/bHLH transcription factors mediate brassinosteroid regulation of cell elongation and plant development in rice and Arabidopsis. 2009 , 21, 3767-80	299
486	Cessation of coleoptile elongation and loss of auxin sensitivity in developing rye seedlings: a quantitative proteomic analysis. 2010 , 5, 509-17	21
485	Phosphorylation of receptor-like cytoplasmic kinases by bacterial flagellin. 2010 , 5, 598-600	14
484	The Physiological, Biochemical and Molecular Roles of Brassinosteroids and Salicylic Acid in Plant Processes and Salt Tolerance. 2010 , 29, 162-190	2 00
483	Involvement of brassinosteroid signals in the floral-induction network of Arabidopsis. 2010 , 61, 4221-30	73
482	Plant immunity triggered by microbial molecular signatures. 2010 , 3, 783-93	200
481	Brassinosteroid signal transduction from receptor kinases to transcription factors. 2010 , 61, 681-704	47 ¹
480	Receptor-like cytoplasmic kinases integrate signaling from multiple plant immune receptors and are targeted by a Pseudomonas syringae effector. 2010 , 7, 290-301	527

479	Signaling from the endoplasmic reticulum activates brassinosteroid signaling and promotes acclimation to stress in Arabidopsis. 2010 , 3, ra69	163
478	BACK MATTER. 2010 , 367-418	
477	Integrated G Proteins Signaling in Plants. 2010 ,	7
476	Taking the very first steps: from polarity to axial domains in the early Arabidopsis embryo. 2011 , 62, 1687-97	36
475	Transcriptomics and proteomics study in regulation of brassinosteroids. 2011 , 393-402	
474	Brassinosteroids: A Class of Plant Hormone. 2011 ,	20
473	Quantitative analysis of plasma membrane proteome using two-dimensional difference gel electrophoresis. 2012 , 876, 67-82	10
472	The Plant Plasma Membrane. 2011 ,	8
471	Methylation of a phosphatase specifies dephosphorylation and degradation of activated brassinosteroid receptors. 2011 , 4, ra29	106
470	Quantitative phosphoproteomics strategies for understanding protein kinase-mediated signal transduction pathways. 2011 , 8, 81-94	62
469	Structural insight into brassinosteroid perception by BRI1. 2011 , 474, 472-6	280
468	Dual role of BKI1 and 14-3-3 s in brassinosteroid signaling to link receptor with transcription factors. 2011 , 21, 825-34	108
467	Crosstalk in cellular signaling: background noise or the real thing?. 2011 , 21, 985-91	87
466	The CDG1 kinase mediates brassinosteroid signal transduction from BRI1 receptor kinase to BSU1 phosphatase and GSK3-like kinase BIN2. 2011 , 43, 561-71	224
465	A few standing for many: embryo receptor-like kinases. 2011 , 16, 211-7	21
464	The mechanisms of brassinosteroidsOaction: from signal transduction to plant development. 2011 , 4, 588-600	201
463	Brassinosteroid signal transduction: from receptor kinase activation to transcriptional networks regulating plant development. 2011 , 23, 1219-30	400
462	Brassinosteroids. 2011 , 9, e0151	115

461	BAK1 is not a target of the Pseudomonas syringae effector AvrPto. 2011 , 24, 100-7	56
460	A brassinosteroid transcriptional network revealed by genome-wide identification of BESI target genes in Arabidopsis thaliana. 2011 , 65, 634-46	414
459	The RLK/Pelle family of kinases. 2011 , 66, 117-27	159
458	Physical association of pattern-triggered immunity (PTI) and effector-triggered immunity (ETI) immune receptors in Arabidopsis. 2011 , 12, 702-8	72
457	Recent advances in the regulation of brassinosteroid signaling and biosynthesis pathways. 2011 , 53, 455-68	93
456	PP2A activates brassinosteroid-responsive genelexpression and plant growth by dephosphorylating BZR1. 2011 , 13, 124-31	328
455	Mass spectrometry accelerates membrane protein analysis. 2011 , 36, 388-96	66
454	Plants grow on brassinosteroids. 2011 , 14, 530-7	124
453	Characterization of brassinosteroid-regulated proteins in a nuclear-enriched fraction of Arabidopsis suspension-cultured cells. 2011 , 49, 985-95	12
452	Regulatory mechanisms of brassinosteroid signaling in plants. 2011 , 29-56	1
451	Quantification of the brassinosteroid insensitive1 receptor in planta. 2011 , 156, 1691-700	29
450	Quantitative analysis of protein phosphorylation using two-dimensional difference gel electrophoresis. 2012 , 876, 47-66	7
449	Phosphoproteomics perspective on plant signal transduction and tyrosine phosphorylation. 2011 , 72, 997-1006	35
448	BIN2/DWF12 Antagonistically Transduces Brassinosteroid and Auxin Signals in the Roots of Arabidopsis. 2011 , 54, 126-134	26
447	Characterization of cp3 reveals a new bri1 allele, bri1-120, and the importance of the LRR domain of BRI1 mediating BR signaling. 2011 , 11, 8	22
446	CASCADE_SCAN: mining signal transduction network from high-throughput data based on steepest descent method. 2011 , 12, 164	11
445	Proteomics insights into plant signaling and development. 2011 , 11, 744-55	34
444	Time to articulate a vision for the future of plant proteomics - A global perspective: An initiative for establishing the International Plant Proteomics Organization (INPPO). 2011 , 11, 1559-68	24

443	The Arabidopsis thaliana 2-D gel mitochondrial proteome: Refining the value of reference maps for assessing protein abundance, contaminants and post-translational modifications. 2011 , 11, 1720-33	56
442	Plant organelle proteomics: collaborating for optimal cell function. 2011 , 30, 772-853	75
441	PP2A phosphatases: the "on-off" regulatory switches of brassinosteroid signaling. 2011 , 4, pe25	37
440	Proteomics analysis reveals post-translational mechanisms for cold-induced metabolic changes in Arabidopsis. 2011 , 4, 361-74	35
439	Plant Hormone Perception at the Plasma Membrane. 2011 , 401-422	
438	Functional importance of BAK1 tyrosine phosphorylation in vivo. 2011 , 6, 400-5	19
437	MASCP Gator: an aggregation portal for the visualization of Arabidopsis proteomics data. 2011 , 155, 259-70	83
436	Brassinosteroids can regulate cellulose biosynthesis by controlling the expression of CESA genes in Arabidopsis. 2011 , 62, 4495-506	126
435	Dynamics of brassinosteroid response modulated by negative regulator LIC in rice. 2012 , 8, e1002686	95
434	Transphosphorylation of E. coli Proteins during Production of Recombinant Protein Kinases Provides a Robust System to Characterize Kinase Specificity. 2012 , 3, 262	19
433	Tyrosine Phosphorylation of the BRI1 Receptor Kinase Occurs via a Post-Translational Modification and is Activated by the Juxtamembrane Domain. 2012 , 3, 175	39
432	Genetic evidence for an indispensable role of somatic embryogenesis receptor kinases in brassinosteroid signaling. 2012 , 8, e1002452	188
431	Arabidopsis microtubule destabilizing protein40 is involved in brassinosteroid regulation of hypocotyl elongation. 2012 , 24, 4012-25	82
430	Deactivation of the Arabidopsis BRASSINOSTEROID INSENSITIVE 1 (BRI1) receptor kinase by autophosphorylation within the glycine-rich loop. 2012 , 109, 327-32	62
429	A plasma membrane receptor kinase, GHR1, mediates abscisic acid- and hydrogen peroxide-regulated stomatal movement in Arabidopsis. 2012 , 24, 2546-61	246
428	GSK3-like kinases integrate brassinosteroid signaling and stomatal development. 2012 , 5, pe30	19
427	Brassinosteroids antagonize gibberellin- and salicylate-mediated root immunity in rice. 2012 , 158, 1833-46	161
426	MYBL2 is a substrate of GSK3-like kinase BIN2 and acts as a corepressor of BES1 in brassinosteroid signaling pathway in Arabidopsis. 2012 , 109, 20142-7	83

425	Constitutive activation of brassinosteroid signaling in the Arabidopsis elongated-D/bak1 mutant. 2012 , 80, 489-501	22
424	Receptor Kinase Interactions: Complexity of Signalling. 2012 , 145-172	2
423	An interaction between BZR1 and DELLAs mediates direct signaling crosstalk between brassinosteroids and gibberellins in Arabidopsis. 2012 , 5, ra72	177
422	Brassinosteroid signaling and application in rice. 2012 , 39, 3-9	44
421	Brassinosteroid signaling network and regulation of photomorphogenesis. 2012 , 46, 701-24	326
420	Effects of exogenous auxin and ethylene on the Arabidopsis root proteome. 2012 , 84, 18-23	11
419	Regulation of brassinosteroid biosynthesis and inactivation. 2012 , 54, 746-59	107
418	A mutation in Arabidopsis BSK5 encoding a brassinosteroid-signaling kinase protein affects responses to salinity and abscisic acid. 2012 , 426, 522-7	46
417	Benefits of brassinosteroid crosstalk. 2012 , 17, 594-605	232
416	Receptor-Mediated Endocytosis in Plants. 2012 , 151-164	2
415	Plant Signaling Under Abiotic Stress Environment. 2012 , 297-323	24
414	Phytohormones and Abiotic Stress Tolerance in Plants. 2012 ,	42
413	Plant Signalling Networks. 2012 ,	
412	DWARF AND LOW-TILLERING acts as a direct downstream target of a GSK3/SHAGGY-like kinase to mediate brassinosteroid responses in rice. 2012 , 24, 2562-77	187
411	Brassinosteroid regulates stomatal development by GSK3-mediated inhibition of a MAPK pathway. 2012 , 482, 419-22	369
410	Phosphoproteomics: Detection, Identification and Importance of Protein Phosphorylation. 2012,	2
409	The initiative on Model Organism Proteomes (iMOP) Session September 6, 2011, Geneva, Switzerland. 2012 , 12, 346-50	3
408	Structural basis for the impact of phosphorylation on the activation of plant receptor-like kinase BAK1. 2012 , 22, 1304-8	60

(2013-2012)

407	Brassinosteroid action in flowering plants: a Darwinian perspective. 2012 , 63, 3511-22	54
406	Fluorescent castasterone reveals BRI1 signaling from the plasma membrane. 2012 , 8, 583-9	156
405	Signal Transduction of Phytohormones Under Abiotic Stresses. 2012 , 1-48	13
404	Comparison of phytohormone signaling mechanisms. 2012 , 15, 84-91	112
403	Abiotic stress-inducible receptor-like kinases negatively control ABA signaling in Arabidopsis. 2012 , 70, 599-613	130
402	Rapid auxin-mediated changes in the proteome of the epidermal cells in rye coleoptiles: implications for the initiation of growth. 2012 , 14, 420-7	17
401	The Regulation of Brassinosteroid Biosynthesis in Arabidopsis. 2013 , 32, 396-410	81
400	Mechanisms and networks for brassinosteroid regulated gene expression. 2013 , 16, 545-53	117
399	Brassinosteroid biosynthesis and signalling in Petunia hybrida. 2013 , 64, 2435-48	15
398	BAK1 directly regulates brassinosteroid perception and BRI1 activation. 2013 , 55, 1264-70	33
397	A mathematical model for the coreceptors SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE1 and SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE3 in BRASSINOSTEROID INSENSITIVE1-mediated signaling. 2013 , 163, 1472-81	10
396	Receptor-like kinases in plant innate immunity. 2013 , 55, 1271-86	74
395	Identification of BZR1-interacting proteins as potential components of the brassinosteroid signaling pathway in Arabidopsis through tandem affinity purification. 2013 , 12, 3653-65	39
394	A receptor-like kinase gene (GbRLK) from Gossypium barbadense enhances salinity and drought-stress tolerance in Arabidopsis. 2013 , 13, 110	56
393	Structural and functional characterization of Arabidopsis GSK3-like kinase AtSK12. 2013 , 36, 564-70	15
392	Mechanisms of signaling crosstalk between brassinosteroids and gibberellins. 2013 , 8, e24686	43
391	A triple helix-loop-helix/basic helix-loop-helix cascade controls cell elongation downstream of multiple hormonal and environmental signaling pathways in Arabidopsis. 2012 , 24, 4917-29	147
390	Sensing the environment: key roles of membrane-localized kinases in plant perception and response to abiotic stress. 2013 , 64, 445-58	274

389	Assessing the diverse functions of BAK1 and its homologs in arabidopsis, beyond BR signaling and PTI responses. 2013 , 35, 7-16	36
388	Structural characterization of the RLCK family member BSK8: a pseudokinase with an unprecedented architecture. 2013 , 425, 4455-67	21
387	Computational modelling of the BRI1 receptor system. 2013 , 36, 1728-37	5
386	Brassinosteroids: Biosynthesis and Role in Growth, Development, and Thermotolerance Responses. 2013 , 309-329	7
385	Brassinosteroid signalling. 2013 , 140, 1615-20	235
384	Brassinosteroid signaling network: implications on yield and stress tolerance. 2013 , 32, 1017-30	71
383	Big roles of small kinases: the complex functions of receptor-like cytoplasmic kinases in plant immunity and development. 2013 , 55, 1188-97	80
382	BSKs are partially redundant positive regulators of brassinosteroid signaling in Arabidopsis. 2013 , 74, 905-19	96
381	Ligand perception, activation, and early signaling of plant steroid receptor brassinosteroid insensitive 1. 2013 , 55, 1198-211	30
380	Diverse roles of ERECTA family genes in plant development. 2013 , 55, 1238-50	79
379	The cyclophilin CYP20-2 modulates the conformation of BRASSINAZOLE-RESISTANT1, which binds the promoter of FLOWERING LOCUS D to regulate flowering in Arabidopsis. 2013 , 25, 2504-21	61
378	Visualization of BRI1 and BAK1(SERK3) membrane receptor heterooligomers during brassinosteroid signaling. 2013 , 162, 1911-25	87
377	Advancements in the analysis of the Arabidopsis plasma membrane proteome. 2013 , 4, 86	26
376	The brassinosteroid signaling pathway-new key players and interconnections with other signaling networks crucial for plant development and stress tolerance. 2013 , 14, 8740-74	90
375	Molecular cloning, sequence characterization and expression analysis of a CD63 homologue from the coleopteran beetle, Tenebrio molitor. 2013 , 14, 20744-67	11
374	BSK1, a receptor-like cytoplasmic kinase, involved in both BR signaling and innate immunity in Arabidopsis. 2013 , 8,	25
373	Inverse modulation of plant immune and brassinosteroid signaling pathways by the receptor-like cytoplasmic kinase BIK1. 2013 , 110, 12114-9	124
372	Sucrose-induced receptor kinase SIRK1 regulates a plasma membrane aquaporin in Arabidopsis. 2013 , 12, 2856-73	76

(2014-2013)

371	From squalene to brassinolide: the steroid metabolic and signaling pathways across the plant kingdom. 2013 , 6, 1738-57	102
370	The brassinosteroid insensitive1-like3 signalosome complex regulates Arabidopsis root development. 2013 , 25, 3377-88	60
369	A wheat PI4K gene whose product possesses threonine autophophorylation activity confers tolerance to drought and salt in Arabidopsis. 2013 , 64, 2915-27	76
368	What causes opposing actions of brassinosteroids on stomatal development?. 2013 , 162, 3-8	25
367	BR-SIGNALING KINASE1 physically associates with FLAGELLIN SENSING2 and regulates plant innate immunity in Arabidopsis. 2013 , 25, 1143-57	160
366	BR signal influences Arabidopsis ovule and seed number through regulating related genes expression by BZR1. 2013 , 6, 456-69	62
365	Molecular Basis of Cytokinin Action during Root Development. 2013 , 224-235	
364	Identification of differentially expressed proteins and phosphorylated proteins in rice seedlings in response to strigolactone treatment. 2014 , 9, e93947	7
363	The bHLH transcription factor HBI1 mediates the trade-off between growth and pathogen-associated molecular pattern-triggered immunity in Arabidopsis. 2014 , 26, 828-41	132
362	Functional genomics of seed dormancy in wheat: advances and prospects. 2014 , 5, 458	43
361	Antagonistic regulation of Arabidopsis growth by brassinosteroids and abiotic stresses. 2014 , 37, 795-803	50
360	Arabidopsis DELLA protein degradation is controlled by a type-one protein phosphatase, TOPP4. 2014 , 10, e1004464	51
359	YODA signalling in the early Arabidopsis embryo. 2014 , 42, 408-12	21
358	Association mapping of brassinosteroid candidate genes and plant architecture in a diverse panel of Sorghum bicolor. 2014 , 127, 2645-62	24
357	A receptor-like protein mediates the response to pectin modification by activating brassinosteroid signaling. 2014 , 111, 15261-6	101
356	A brassinosteroid-signaling kinase interacts with multiple receptor-like kinases in Arabidopsis. 2014 , 7, 441-4	20
355	BRASSINOSTEROID INSENSITIVE2 interacts with ABSCISIC ACID INSENSITIVE5 to mediate the antagonism of brassinosteroids to abscisic acid during seed germination in Arabidopsis. 2014 , 26, 4394-408	161
354	Structural insights into the negative regulation of BRI1 signaling by BRI1-interacting protein BKI1. 2014 , 24, 1328-41	54

353	Brassinosteroids Implicated in Growth and Stress Responses. 2014 , 163-190	7
352	Transcriptome of the inflorescence meristems of the biofuel plant Jatropha curcas treated with cytokinin. 2014 , 15, 974	40
351	Developmentally distinct activities of the exocyst enable rapid cell elongation and determine meristem size during primary root growth in Arabidopsis. 2014 , 14, 386	23
350	Antagonistic regulation of growth and immunity by the Arabidopsis basic helix-loop-helix transcription factor homolog of brassinosteroid enhanced expression2 interacting with increased leaf inclination1 binding bHLH1. 2014 , 164, 1443-55	88
349	PAMP Signaling in Plant Innate Immunity. 2014 , 17-161	1
348	Phytohormones: A Window to Metabolism, Signaling and Biotechnological Applications. 2014,	14
347	Brassinosteroid-mediated regulation of agronomic traits in rice. 2014 , 33, 683-96	120
346	Crystal structures of the phosphorylated BRI1 kinase domain and implications for brassinosteroid signal initiation. 2014 , 78, 31-43	107
345	Quantitative proteomics reveals the role of protein phosphorylation in rice embryos during early stages of germination. 2014 , 13, 1766-82	59
344	Brassinosteroid nuclear signaling recruits HSP90 activity. 2014 , 203, 743-57	41
343	Turning on the microscope turret: a new view for the study of brassinosteroid signaling in plant development. 2014 , 151, 172-83	23
342	Plant GSK3 proteins regulate xylem cell differentiation downstream of TDIF-TDR signalling. 2014 , 5, 3504	152
341	Two for all: receptor-associated kinases SOBIR1 and BAK1. 2014 , 19, 123-32	177
340	Quantitative proteomics of Sesuvium portulacastrum leaves revealed that ion transportation by V-ATPase and sugar accumulation in chloroplast played crucial roles in halophyte salt tolerance. 2014 , 99, 84-100	43
339	The arabidopsis gulliver2/phyB mutant exhibits reduced sensitivity to brassinazole. 2014 , 57, 20-27	6
338	Protein interactome analysis of 12 mitogen-activated protein kinase kinase kinase in rice using a yeast two-hybrid system. 2014 , 14, 105-15	10
337	Brassinosteroid regulates cell elongation by modulating gibberellin metabolism in rice. 2014 , 26, 4376-93	442
336	A genotypic difference in primary root length is associated with the inhibitory role of transforming growth factor-beta receptor-interacting protein-1 on root meristem size in wheat. 2014 , 77, 931-43	15

(2015-2014)

335	The growth-defense pivot: crisis management in plants mediated by LRR-RK surface receptors. 2014 , 39, 447-56	100
334	Bikinin-like inhibitors targeting GSK3/Shaggy-like kinases: characterisation of novel compounds and elucidation of their catabolism in planta. 2014 , 14, 172	12
333	Brassinosteroid-related transcription factor BIL1/BZR1 increases plant resistance to insect feeding. 2014 , 78, 960-8	22
332	Revisiting the evolutionary history and roles of protein phosphatases with Kelch-like domains in plants. 2014 , 164, 1527-41	33
331	Transcription factor HAT1 is phosphorylated by BIN2 kinase and mediates brassinosteroid repressed gene expression in Arabidopsis. 2014 , 77, 59-70	67
330	Plant PRRs and the activation of innate immune signaling. 2014 , 54, 263-72	567
329	A kinase-phosphatase signaling module with BSK8 and BSL2 involved in regulation of sucrose-phosphate synthase. 2014 , 13, 3397-409	22
328	Histone lysine methyltransferase SDG8 is involved in brassinosteroid-regulated gene expression in Arabidopsis thaliana. 2014 , 7, 1303-1315	47
327	The role of brassinosteroids and abscisic acid in stomatal development. 2014 , 225, 95-101	13
326	Overexpression of GbRLK, a putative receptor-like kinase gene, improved cotton tolerance to Verticillium wilt. 2015 , 5, 15048	34
325	Gene Networks Involved in Hormonal Control of Root Development in Arabidopsis thaliana: A Framework for Studying Its Disturbance by Metal Stress. 2015 , 16, 19195-224	44
324	The roles of phosphorylation and SHAGGY-like protein kinases in geminivirus C4 protein induced hyperplasia. 2015 , 10, e0122356	42
323	Versatile roles of brassinosteroid in plants in the context of its homoeostasis, signaling and crosstalks. 2015 , 6, 950	117
322	Plant Phosphoproteomics. 2015,	1
321	Genes and networks regulating root anatomy and architecture. 2015, 208, 26-38	82
320	Functional insights of plant GSK3-like kinases: multi-taskers in diverse cellular signal transduction pathways. 2015 , 8, 552-65	84
319	The molecular circuitry of brassinosteroid signaling. 2015 , 206, 522-40	155
318	The Arabidopsis transcription factor BRASSINOSTEROID INSENSITIVE1-ETHYL METHANESULFONATE-SUPPRESSOR1 is a direct substrate of MITOGEN-ACTIVATED PROTEIN KINASE6 and regulates immunity. 2015 , 167, 1076-86	58

317	Down-regulation of BdBRI1, a putative brassinosteroid receptor gene produces a dwarf phenotype with enhanced drought tolerance in Brachypodium distachyon. 2015 , 234, 163-73	69
316	TCP1 Modulates DWF4 Expression via Directly Interacting with the GGNCCC Motifs in the Promoter Region of DWF4 in Arabidopsis thaliana. 2015 , 42, 383-92	24
315	Comparative proteomics of root plasma membrane proteins reveals the involvement of calcium signalling in NaCl-facilitated nitrate uptake in Salicornia europaea. 2015 , 66, 4497-510	24
314	The Arabidopsis ROP-activated receptor-like cytoplasmic kinase RLCK VI_A3 is involved in control of basal resistance to powdery mildew and trichome branching. 2015 , 34, 457-68	16
313	Interconnection between flowering time control and activation of systemic acquired resistance. 2015 , 6, 174	24
312	Identification of genes involved in the drought adaptation and recovery in Portulaca oleracea by differential display. 2015 , 90, 38-49	7
311	A History of Brassinosteroid Research from 1970 through 2005: Thirty-Five Years of Phytochemistry, Physiology, Genes, and Mutants. 2015 , 34, 828-844	42
310	Correlation analysis of the transcriptome of growing leaves with mature leaf parameters in a maize RIL population. 2015 , 16, 168	33
309	The TDIF signaling network. 2015 , 28, 106-10	23
308	Plant hormone signalling through the eye of the mass spectrometer. 2015 , 15, 1113-26	10
307	The Populus ARBORKNOX1 homeodomain transcription factor regulates woody growth through binding to evolutionarily conserved target genes of diverse function. 2015 , 205, 682-94	40
306	Trade-off between growth and immunity: role of brassinosteroids. 2015 , 20, 12-9	144
305	Plant Hormone Signaling Systems in Plant Innate Immunity. 2015,	15
304	The Arabidopsis Receptor Kinase ZAR1 Is Required for Zygote Asymmetric Division and Its Daughter Cell Fate. 2016 , 12, e1005933	60
303	Wheat Brassinosteroid-Insensitive1 (TaBRI1) Interacts with Members of TaSERK Gene Family and Cause Early Flowering and Seed Yield Enhancement in Arabidopsis. 2016 , 11, e0153273	34
302	Proteomic Analysis of a Poplar Cell Suspension Culture Suggests a Major Role of Protein S-Acylation in Diverse Cellular Processes. 2016 , 7, 477	15
301	Four receptor-like cytoplasmic kinases regulate development and immunity in rice. 2016 , 39, 1381-92	28
300	Receptor kinase complex transmits RALF peptide signal to inhibit root growth in Arabidopsis. 2016 , 113, E8326-E8334	86

(2016-2016)

299	Arabidopsis receptor-like cytoplasmic kinase BIK1: purification, crystallization and X-ray diffraction analysis. 2016 , 72, 738-742	3
298	Functional characterization of GmBZL2 (AtBZR1 like gene) reveals the conserved BR signaling regulation in Glycine max. 2016 , 6, 31134	22
297	The growing story of (ARABIDOPSIS) CRINKLY 4. 2016 , 67, 4835-47	11
296	Receptor-like kinases take center stage in plant biology. 2016 , 59, 863-6	8
295	SERKing Coreceptors for Receptors. 2016 , 21, 1017-1033	109
294	A Small G Protein as a Novel Component of the Rice Brassinosteroid Signal Transduction. 2016 , 9, 1260-1271	21
293	Modulators of Stomatal Lineage Signal Transduction Alter Membrane Contact Sites and Reveal Specialization among ERECTA Kinases. 2016 , 38, 345-57	27
292	Brassinosteroids: Physiology and Stress Management in Plants. 2016 , 279-314	1
291	Farnesylation mediates brassinosteroid biosynthesis to regulate abscisic acid responses. 2016 , 2, 16114	74
290	Role of brassinosteroid signaling in modulating Tobacco mosaic virus resistance in Nicotiana benthamiana. 2016 , 6, 20579	55
289	Receptor-Like Kinases and Regulation of Plant Innate Immunity. 2016 , 40, 105-142	9
288	Comparative proteomics of leaves found at different stem positions of maize seedlings. 2016 , 198, 116-28	5
287	Going mainstream: How is the body axis of plants first initiated in the embryo?. 2016 , 419, 78-84	10
286	Identification of Phosphoinositide-Binding Protein PATELLIN2 as a Substrate of Arabidopsis MPK4 MAP Kinase during Septum Formation in Cytokinesis. 2016 , 57, 1744-55	28
285	The Receptor-Like Cytoplasmic Kinase OsRLCK102 Regulates XA21-Mediated Immunity and Plant Development in Rice. 2016 , 34, 628-637	7
284	The antagonistic regulation of abscisic acid-inhibited root growth by brassinosteroids is partially mediated via direct suppression of ABSCISIC ACID INSENSITIVE 5 expression by BRASSINAZOLE RESISTANT 1. 2016 , 39, 1994-2003	52
283	Immunophilin-like FKBP42/TWISTED DWARF1 Interacts with the Receptor Kinase BRI1 to Regulate Brassinosteroid Signaling in Arabidopsis. 2016 , 9, 593-600	20
282	The Brassinosteroid-Activated BRI1 Receptor Kinase Is Switched off by Dephosphorylation Mediated by Cytoplasm-Localized PP2A B&ubunits. 2016 , 9, 148-157	43

281	Brassinosteroids Regulate Root Growth, Development, and Symbiosis. 2016 , 9, 86-100	138
280	OsBRI1 Activates BR Signaling by Preventing Binding between the TPR and Kinase Domains of OsBSK3 via Phosphorylation. 2016 , 170, 1149-61	259
279	The RLA1/SMOS1 Transcription Factor Functions with OsBZR1 to Regulate Brassinosteroid Signaling and Rice Architecture. 2017 , 29, 292-309	75
278	The Structural Basis of Ligand Perception and Signal Activation by Receptor Kinases. 2017 , 68, 109-137	127
277	RXLR Effector AVR2 Up-Regulates a Brassinosteroid-Responsive bHLH Transcription Factor to Suppress Immunity. 2017 , 174, 356-369	46
276	RD26 mediates crosstalk between drought and brassinosteroid signalling pathways. 2017 , 8, 14573	119
275	Plant cell wall signalling and receptor-like kinases. 2017 , 474, 471-492	86
274	Meta-Analysis of the Transcriptome Reveals a Core Set of Shade-Avoidance Genes in Arabidopsis. 2017 , 93, 692-702	17
273	The brassinosteroid receptor BRI1 can generate cGMP enabling cGMP-dependent downstream signaling. 2017 , 91, 590-600	28
272	Structural basis for the regulation of phytohormone receptors. 2017 , 81, 1261-1273	4
271	iTRAQ-based proteomics of sunflower cultivars differing in resistance to parasitic weed Orobanche cumana. 2017 , 17, 1700009	22
270	Carbonic Anhydrases Function in Anther Cell Differentiation Downstream of the Receptor-Like Kinase EMS1. 2017 , 29, 1335-1356	32
269	The F-box Protein KIB1 Mediates Brassinosteroid-Induced Inactivation and Degradation of GSK3-like Kinases in Arabidopsis. 2017 , 66, 648-657.e4	63
268	Bound by Fate: The Role of Reactive Oxygen Species in Receptor-Like Kinase Signaling. 2017 , 29, 638-654	86
267	Glucose and Brassinosteroid Signaling Network in Controlling Plant Growth and Development Under Different Environmental Conditions. 2017 , 443-469	0
266	Receptor Kinases in Plant-Pathogen Interactions: More Than Pattern Recognition. 2017 , 29, 618-637	295
265	Global Identification of ERK Substrates by Phosphoproteomics Based on IMAC and 2D-DIGE. 2017 , 1487, 137-149	7

263	Stress Signaling in Plants: Genomics and Proteomics Perspective, Volume 2. 2017 ,	1
262	Brassinosteroids: Physiological Roles and its Signalling in Plants. 2017 , 241-260	5
261	Top Bending Panicle1 is involved in brassinosteroid signaling and regulates the plant architecture in rice. 2017 , 121, 1-13	8
260	Transcription Factor OsWRKY53 Positively Regulates Brassinosteroid Signaling and Plant Architecture. 2017 , 175, 1337-1349	52
259	Light perception in aerial tissues enhances DWF4 accumulation in root tips and induces root growth. 2017 , 7, 1808	11
258	Dynamic complexity: plant receptor complexes at the plasma membrane. 2017 , 40, 15-21	20
257	Cross-talk of Brassinosteroid signaling in controlling growth and stress responses. 2017 , 474, 2641-2661	122
256	Genome-wide identification and expression profiling analysis of brassinolide signal transduction genes regulating apple tree architecture. 2017 , 39, 1	9
255	Comparative study of Arabidopsis PBS1 and a wheat PBS1 homolog helps understand the mechanism of PBS1 functioning in innate immunity. 2017 , 7, 5487	14
254	Evolutionarily conserved BIL4 suppresses the degradation of brassinosteroid receptor BRI1 and regulates cell elongation. 2017 , 7, 5739	20
253	Comparative functional genomics of the TPR gene family in Arabidopsis, rice and maize. 2017 , 37, 1	3
252	A Quantitative Proteomic Analysis of Brassinosteroid-induced Protein Phosphorylation in Rice (L.). 2017 , 8, 514	16
251	Structural Characterization of Maize SIRK1 Kinase Domain Reveals an Unusual Architecture of the Activation Segment. 2017 , 8, 852	6
250	OsBSK1-2, an Orthologous of AtBSK1, Is Involved in Rice Immunity. 2017 , 8, 908	12
249	Detection of differentially methylated regions of irradiated fig tree selections. 2017, 74, 285-293	2
248	The Root Transition Zone: A Hot Spot for Signal Crosstalk. 2018 , 23, 403-409	36
247	Comprehensive transcriptome analyses correlated with untargeted metabolome reveal differentially expressed pathways in response to cell wall alterations. 2018 , 96, 509-529	5
246	The brassinosteroid-regulated transcription factors BZR1/BES1 function as a coordinator in multisignal-regulated plant growth. 2018 , 1861, 561-571	55

245	Reactive oxygen species signaling and stomatal movement in plant responses to drought stress and pathogen attack. 2018 , 60, 805-826	190
244	Pathogen-Associated Molecular Patterns and Their Perception in Plants. 2018 , 79-113	1
243	UVR8 Interacts with BES1 and BIM1 to Regulate Transcription and Photomorphogenesis in Arabidopsis. 2018 , 44, 512-523.e5	114
242	BRASSINOSTEROID-SIGNALING KINASE1 Phosphorylates MAPKKK5 to Regulate Immunity in Arabidopsis. 2018 , 176, 2991-3002	62
241	Establishment of Dimethyl Labeling-based Quantitative Acetylproteomics in Arabidopsis. 2018 , 17, 1010-1027	' 19
240	Plant cell surface receptor-mediated signaling - a common theme amid diversity. 2018 , 131,	73
239	Abscisic Acid Signaling Inhibits Brassinosteroid Signaling through Dampening the Dephosphorylation of BIN2 by ABI1 and ABI2. 2018 , 11, 315-325	92
238	Receptor-Like Cytoplasmic Kinases: Central Players in Plant Receptor Kinase-Mediated Signaling. 2018 , 69, 267-299	169
237	LRRK1, a receptor-like cytoplasmic kinase, regulates leaf rolling through modulating bulliform cell development in rice. 2018 , 38, 1	9
236	The Receptor-Like Cytoplasmic Kinase STRK1 Phosphorylates and Activates CatC, Thereby Regulating HO Homeostasis and Improving Salt Tolerance in Rice. 2018 , 30, 1100-1118	66
235	A guanine insert in OsBBS1 leads to early leaf senescence and salt stress sensitivity in rice (Oryza sativa L.). 2018 , 37, 933-946	26
234	Molecular cloning and characterization of a brassinosteriod biosynthesis-related gene PtoDWF4 from Populus tomentosa. 2018 , 38, 1424-1436	20
233	Thermal-Enhanced bri1-301 Instability Reveals a Plasma Membrane Protein Quality Control System in Plants. 2018 , 9, 1620	5
232	Large scale study of anti-sense regulation by differential network analysis. 2018 , 12, 95	1
231	Brassinosteroid Signaling in Plant?Microbe Interactions. 2018 , 19,	41
230	Crosstalk of the Brassinosteroid Signalosome with Phytohormonal and Stress Signaling Components Maintains a Balance between the Processes of Growth and Stress Tolerance. 2018 , 19,	20
229	MeBIK1, a novel cassava receptor-like cytoplasmic kinase, regulates PTI response of transgenic Arabidopsis. 2018 , 45, 658-667	2
228	OST1 Activation by the Brassinosteroid-Regulated Kinase CDG1-LIKE1 in Stomatal Closure. 2018 , 30, 1848-1863	11

227	Auxin-BR Interaction Regulates Plant Growth and Development. 2017 , 8, 2256	61
226	Auxin controls circadian flower opening and closure in the waterlily. 2018 , 18, 143	28
225	Nonselective Chemical Inhibition of Sec7 Domain-Containing ARF GTPase Exchange Factors. 2018 , 30, 2573-2593	12
224	Brassinosteroid Sensing and Signaling in Plants. 2018 , 149-164	2
223	Plant Structural Biology: Hormonal Regulations. 2018,	3
222	Photoexcited CRYPTOCHROME1 Interacts with Dephosphorylated BES1 to Regulate Brassinosteroid Signaling and Photomorphogenesis in Arabidopsis. 2018 , 30, 1989-2005	59
221	The crossroads of receptor-mediated signaling and endocytosis in plants. 2018, 60, 827-840	24
220	A Novel Specialized Immune Player: BSK5 Is Required for Restricting Pathogen Progression. 2019 , 180, 709-710	
219	Emerging roles of vascular brassinosteroid receptors of the BRI1-like family. 2019 , 51, 105-113	9
218	GSK3-like kinase BIN2 phosphorylates RD26 to potentiate drought signaling in Arabidopsis. 2019 , 100, 923-937	32
217	Overexpression of BSK5 in Provides Enhanced Disease Resistance. 2019 , 14, e1637665	1
216	Perturbations of the ZED1 pseudokinase activate plant immunity. 2019 , 15, e1007900	23
215	Mai1 Protein Acts Between Host Recognition of Pathogen Effectors and Mitogen-Activated Protein Kinase Signaling. 2019 , 32, 1496-1507	7
214	Phosphorylation-Mediated Signalling in Plants. 2019 , 909-932	1
213	Melatonin-Induced Transcriptome Variation of Rapeseed Seedlings under Salt Stress. 2019, 20,	16
212	A Quantitative Proteomics Study of Early Heat-Regulated Proteins by Two-Dimensional Difference Gel Electrophoresis Identified OsUBP21 as a Negative Regulator of Heat Stress Responses in Rice. 2019 , 19, e1900153	5
211	BZR1 Family Transcription Factors Function Redundantly and Indispensably in BR Signaling but Exhibit BRI1-Independent Function in Regulating Anther Development in Arabidopsis. 2019 , 12, 1408-1415	42
210	EMS1 and BRI1 control separate biological processes via extracellular domain diversity and intracellular domain conservation. 2019 , 10, 4165	27

209	Identification of critical cysteine sites in brassinosteroid-insensitive and novel signaling regulators using a transient expression system. 2019 , 222, 1405-1419	6
208	Brassinosteroids, the Sixth Class of Phytohormones: A Molecular View from the Discovery to Hormonal Interactions in Plant Development and Stress Adaptation. 2019 , 20,	71
207	A cytoplasmic kinase connects Nod factor perception by the NFR5 LysM receptor to nodulation. 2019 , 116, 14339-14348	12
206	Natural variation of BSK3 tunes brassinosteroid signaling to regulate root foraging under low nitrogen. 2019 , 10, 2378	57
205	Less Conserved LRRs Is Important for BRI1 Folding. 2019 , 10, 634	5
204	TTL Proteins Scaffold Brassinosteroid Signaling Components at the Plasma Membrane to Optimize Signal Transduction in Arabidopsis. 2019 , 31, 1807-1828	22
203	Effects of Brassinosteroid Associated with Auxin and Gibberellin on Apple Tree Growth and Gene Expression Patterns. 2019 , 5, 93-108	9
202	Genomic dissection and transcriptional profiling of Cysteine-rich receptor-like kinases in five cereals and functional characterization of TaCRK68-A. 2019 , 134, 316-329	30
201	Peptide/receptor-like kinase-mediated signaling involved in male-female interactions. 2019, 51, 7-14	32
200	BES1-regulated BEE1 controls photoperiodic flowering downstream of blue light signaling pathway in Arabidopsis. 2019 , 223, 1407-1419	15
199	Soil Salinity Limits Plant Shade Avoidance. 2019 , 29, 1669-1676.e4	26
198	Constitutive signaling activity of a receptor-associated protein links fertilization with embryonic patterning in. 2019 , 116, 5795-5804	20
197	Comparative transcriptome analysis reveals significant differences in the regulation of gene expression between hydrogen cyanide- and ethylene-treated Arabidopsis thaliana. 2019 , 19, 92	10
196	Genome-Wide Identification, Expression Profile, and Alternative Splicing Analysis of the Brassinosteroid-Signaling Kinase (BSK) Family Genes in. 2019 , 20,	12
195	Brassinosteroid Signaling and Complex Interplay of ROS, NADPH Oxidase, and MAPK Mediated Biotic and Abiotic Stress Acclimation in Plants. 2019 , 407-416	2
194	Genetic and Molecular Bases of Brassinosteroid Metabolism and Interactions with Other Phytohormones. 2019 , 219-249	4
193	BRASSINOSTEROID-SIGNALING KINASE5 Associates with Immune Receptors and Is Required for Immune Responses. 2019 , 180, 1166-1184	20
192	A Current Scenario on Role of Brassinosteroids in Plant Defense Triggered in Response to Biotic Challenges. 2019 , 367-388	4

(2020-2019)

191	Plant U-Box40 Mediates Degradation of the Brassinosteroid-Responsive Transcription Factor BZR1 in Arabidopsis Roots. 2019 , 31, 791-808	18
190	AVR2 Targets BSL Family Members, Which Act as Susceptibility Factors to Suppress Host Immunity. 2019 , 180, 571-581	15
189	Inhibitors of Brassinosteroid Biosynthesis and Signal Transduction. 2019 , 24,	20
188	Investigations into a putative role for the novel BRASSIKIN pseudokinases in compatible pollen-stigma interactions in Arabidopsis thaliana. 2019 , 19, 549	4
187	Brassinosteroid-regulated plant growth and development and gene expression in soybean. 2019 , 7, 411-418	14
186	Pleiotropic influences of brassinosteroids on fruit crops: a review. 2019 , 87, 375-388	20
185	BRASSINOSTEROID-SIGNALING KINASE 3, a plasma membrane-associated scaffold protein involved in early brassinosteroid signaling. 2019 , 15, e1007904	38
184	Analysis of ambient temperature-responsive transcriptome in shoot apical meristem of heat-tolerant and heat-sensitive broccoli inbred lines during floral head formation. 2019 , 19, 3	10
183	RECEPTOR-LIKE KINASE 902 Associates with and Phosphorylates BRASSINOSTEROID-SIGNALING KINASE1 to Regulate Plant Immunity. 2019 , 12, 59-70	23
182	Transcriptome analysis reveals dynamic changes in the salt stress response in Salix. 2020 , 31, 1851-1862	4
181	Morphological, transcriptomics and phytohormone analysis shed light on the development of a novel dwarf mutant of cabbage (Brassica oleracea). 2020 , 290, 110283	8
180	BES1 directly binds to the promoter of the ACC oxidase 1 gene to regulate gravitropic response in the roots of. 2020 , 15, 1690724	10
179	A gain-of-function mutation in Brassinosteroid-insensitive 2 alters Arabidopsis floral organ development by altering auxin levels. 2020 , 39, 259-271	5
178	Brassinosteroids: Multidimensional Regulators of Plant Growth, Development, and Stress Responses. 2020 , 32, 295-318	209
177	Role of brassinosteroids in mitigating abiotic stresses in plants. 2020 , 75, 2203-2230	6
176	Balancing growth and adaptation to stress: Crosstalk between brassinosteroid and abscisic acid signaling. 2020 , 43, 2325-2335	15
175	It takes two to tango - molecular links between plant immunity and brassinosteroid signalling. 2020 , 133,	8
174	Interplay between Hormones and Several Abiotic Stress Conditions on Primary Root Development. 2020 , 9,	7

173	Barley "uzu" and Wheat "uzu-like" Brassinosteroid Receptor BRI1 Kinase Domain Variations Modify Phosphorylation Activity. 2020 , 59, 2986-2997	1
172	Linking Brassinosteroid and ABA Signaling in the Context of Stress Acclimation. 2020 , 21,	9
171	Multifunctional role of brassinosteroid and its analogues in plants. 2020 , 92, 141-156	23
170	Brassinosteroid signalling. 2020 , 30, R294-R298	22
169	Regulatory role of receptor-like cytoplasmic kinases in early immune signaling events in plants. 2020 , 44, 845-856	5
168	Brassinosteroid-Activated BRI1-EMS-SUPPRESSOR 1 Inhibits Flavonoid Biosynthesis and Coordinates Growth and UV-B Stress Responses in Plants. 2020 , 32, 3224-3239	22
167	DROOPY LEAF1 controls leaf architecture by orchestrating early brassinosteroid signaling. 2020 , 117, 21766-21774	16
166	Genome-Wide Identification, Structural, and Gene Expression Analysis of BRI1-EMS-Suppressor 1 Transcription Factor Family in. 2020 , 11, 583996	1
165	Evolutionary Variation in MADS Box Dimerization Affects Floral Development and Protein Abundance in Maize. 2020 , 32, 3408-3424	8
164	Endocytosis of BRASSINOSTEROID INSENSITIVE1 Is Partly Driven by a Canonical Tyr-Based Motif. 2020 , 32, 3598-3612	7
163	State-of-the-Art Technologies for Understanding Brassinosteroid Signaling Networks. 2020 , 21,	1
162	The miR396-GRFs Module Mediates the Prevention of Photo-oxidative Damage by Brassinosteroids during Seedling De-Etiolation in Arabidopsis. 2020 , 32, 2525-2542	12
161	Quantitative phosphoproteomics analysis reveals that protein modification and sugar metabolism contribute to sprouting in potato after BR treatment. 2020 , 325, 126875	2
160	Chloride salinity in a chloride-sensitive plant: Focusing on photosynthesis, hormone synthesis and transduction in tobacco. 2020 , 153, 119-130	11
159	Paired Receptor and Coreceptor Kinases Perceive Extracellular Signals to Control Plant Development. 2020 , 182, 1667-1681	13
158	FERONIA cytoplasmic domain: node of varied signal outputs. 2020 , 1, 135-146	3
157	Designed Manipulation of the Brassinosteroid Signal to Enhance Crop Yield. 2020 , 11, 854	5
156	Regulation of Three Key Kinases of Brassinosteroid Signaling Pathway. 2020 , 21,	9

(2021-2020)

155	Associations between phytohormones and cellulose biosynthesis in land plants. 2020 , 126, 807-824	3
154	Deviating from the Beaten Track: New Twists in Brassinosteroid Receptor Function. 2020 , 21,	8
153	AtPPRT1 negatively regulates salt stress response in Arabidopsis seedlings. 2020 , 15, 1732103	7
152	GSK2 stabilizes OFP3 to suppress brassinosteroid responses in rice. 2020 , 102, 1187-1201	12
151	Primary nitrate responses mediated by calcium signalling and diverse protein phosphorylation. 2020 , 71, 4428-4441	15
150	Oryza sativa mediator subunit OsMED25 interacts with OsBZR1 to regulate brassinosteroid signaling and plant architecture in rice. 2020 , 62, 793-811	9
149	The basic helix-loop-helix transcription factor OsBLR1 regulates leaf angle in rice via brassinosteroid signalling. 2020 , 102, 589-602	12
148	Roles of Brassinosteroids in Plant Reproduction. 2020 , 21,	20
147	SHY2 as a node in the regulation of root meristem development by auxin, brassinosteroids, and cytokinin. 2020 , 62, 1500-1517	19
146	Molecular Mechanisms of Brassinosteroid-Mediated Responses to Changing Environments in. 2020 , 21,	19
145	Phytohormonal signaling under abiotic stress. 2020 , 397-466	3
144	Roles of brassinosteroids in plant growth and abiotic stress response. 2021 , 93, 29-38	11
143	Plant plasma membrane-resident receptors: Surveillance for infections and coordination for growth and development. 2021 , 63, 79-101	13
142	BIP130 enhances salt tolerance through modulation of ABA synthesis and scavenging ROS in rice (Oryza sativa L.). 2021 , 93, 163-173	2
141	Moonlighting Proteins Shine New Light on Molecular Signaling Niches. 2021 , 22,	12
140	Phosphorylation Site Motifs in Plant Protein Kinases and Their Substrates. 2021 , 2358, 1-16	О
139	Signals Brassinosteroids. 2021 , 38-47	
138	The receptor-like cytoplasmic kinase CDG1 negatively regulates Arabidopsis pattern-triggered immunity and is involved in AvrRpm1-induced RIN4 phosphorylation. 2021 , 33, 1341-1360	6

137	A BIN2-GLK1 Signaling Module Integrates Brassinosteroid and Light Signaling to Repress Chloroplast Development in the Dark. 2021 , 56, 310-324.e7	8
136	Brassinosteroids repress the seed maturation program during the seed-to-seedling transition. 2021 , 186, 534-548	3
135	BODIPY Conjugate of Epibrassinolide as a Novel Biologically Active Probe for In Vivo Imaging. 2021 , 22,	
134	Brassinosteroid Signaling, Crosstalk and, Physiological Functions in Plants Under Heavy Metal Stress. 2021 , 12, 608061	22
133	The involvement of the N-terminal PHR domain of Arabidopsis cryptochromes in mediating light signaling. 2021 , 2, 146-155	O
132	Dynamic spatial reorganization of BSK1 complexes in the plasma membrane underpins signal-specific activation for growth and immunity. 2021 , 14, 588-603	5
131	Versatile Physiological Functions of Plant GSK3-Like Kinases. 2021 , 12,	3
130	BRASSINOSTEROID-SIGNALLING KINASES 7 and 8 associate with the FLS2 immune receptor and are required for flg22-induced PTI responses. 2021 , 22, 786-799	1
129	WRKY53 integrates classic brassinosteroid signaling and the mitogen-activated protein kinase pathway to regulate rice architecture and seed size. 2021 , 33, 2753-2775	10
128	BRASSINOSTEROID-SIGNALING KINASE 1 phosphorylating CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE functions in drought tolerance in maize. 2021 , 231, 695-712	7
127	A Comparative Analysis of Transcription Networks Active in Juvenile and Mature Wood in. 2021 , 12, 675075	1
126	Proteomics for Brassinosteroid signalling: Understanding Brassinosteroids mediated stress responses through advanced proteomics. 2021 , 26, 100282	2
125	BRS1 mediates plant redox regulation and cold responses. 2021 , 21, 268	1
124	Adaptation and response of Kobresia littledalei to cold stress conditions. 2021 , 43, 1	
123	PtBRI1.2 promotes shoot growth and wood formation through a brassinosteroid-mediated PtBZR1-PtWNDs module in poplar. 2021 , 72, 6350-6364	1
122	Transcriptome Analysis of , Which Shows the Fastest Germination and Growth in the Major Mongolian Grassland Plant. 2021 , 12, 684987	
121	Evolutionary analysis and functional characterization of SiBRI1 as a Brassinosteroid receptor gene in foxtail millet. 2021 , 21, 291	1
120	TPR domain coding geneßT2 may be involved in regulating tillering and fertility in rice. 2021 , 57, 83-90	

119	Importance of tyrosine phosphorylation for transmembrane signaling in plants. 2021, 478, 2759-2774	2
118	Receptor-like kinase OsASLRK regulates methylglyoxal response and content in rice. 2021 , 20, 1731-1742	
117	Synergistic interplay of ABA and BR signal in regulating plant growth and adaptation. 2021, 7, 1108-1118	6
116	Boron deficiency-induced root growth inhibition is mediated by brassinosteroid signalling regulation in Arabidopsis. 2021 , 107, 564-578	5
115	Nucleocytoplasmic trafficking and turnover mechanisms of BRASSINAZOLE RESISTANT1 in. 2021 , 118,	7
114	Stomatal development and genetic expression in L. 2021 , 7, e07889	2
113	The F-box E3 ubiquitin ligase BAF1 mediates the degradation of the brassinosteroid-activated transcription factor BES1 through selective autophagy in Arabidopsis. 2021 , 33, 3532-3554	1
112	24-epibrassinolide confers tolerance against deep-seeding stress in L. coleoptile development by phytohormones signaling transduction and their interaction network. 2021 , 16, 1963583	1
111	Fine mapping of the BnaC04.BIL1 gene controlling plant height in Brassica napus L. 2021 , 21, 359	2
110	GSK3s: nodes of multilayer regulation of plant development and stress responses. 2021 , 26, 1286-1300	4
109	BZR1 Physically Interacts with SPL9 to Regulate the Vegetative Phase Change and Cell Elongation in. 2021 , 22,	5
108	Molecular mechanisms of early plant pattern-triggered immune signaling. 2021 , 81, 3449-3467	16
107	LysM domain-containing proteins modulate stress response and signalling in Triticum aestivum L 2021 , 189, 104558	18
106	Molecular mechanisms of mesocotyl elongation induced by brassinosteroid in maize under deep-seeding stress by RNA-sequencing, microstructure observation, and physiological metabolism. 2021 , 113, 3565-3581	4
105	Protein Phosphorylation Response to Abiotic Stress in Plants. 2021 , 2358, 17-43	3
104	Zygotic Embryogenesis in Flowering Plants. 2021 , 2288, 73-88	O
103	Phosphopeptide profiling of receptor kinase mutants. 2015 , 1306, 71-9	6
102	Emerging Dynamics of Brassinosteroids Research. 2013 , 3-17	1

101	Brassinosteroid Signaling in Plant Immune System. 2015 , 403-444	3
100	Host Resistance. 2019 , 177-295	2
99	Overexpression of GbRLK, a putative receptor-like kinase gene, improved cotton tolerance to Verticillium wilt.	О
98	Integrated omics networks reveal the temporal signaling events of brassinosteroid response in Arabidopsis.	2
97	Application of TurboID-mediated proximity labeling for mapping a GSK3 kinase signaling network in Arabidopsis.	12
96	BSU1 family phosphatases mediate Flagellin-FLS2 signaling through a specific phosphocode.	5
95	The Arabidopsis thaliana SERK1 kinase domain spontaneously refolds to an active state in vitro. 2012 , 7, e50907	5
94	Brassinosteroids regulate plant growth through distinct signaling pathways in Selaginella and Arabidopsis. 2013 , 8, e81938	21
93	Visualization of BRI1 and SERK3/BAK1 Nanoclusters in Arabidopsis Roots. 2017 , 12, e0169905	28
92	Plant immune and growth receptors share common signalling components but localise to distinct plasma membrane nanodomains. 2017 , 6,	131
91	Integrated omics networks reveal the temporal signaling events of brassinosteroid response in Arabidopsis. 2021 , 12, 5858	5
90	Identification of Novel Quantitative Trait Nucleotides and Candidate Genes for Bacterial Wilt Resistance in Tobacco (L.) Using Genotyping-by-Sequencing and Multi-Locus Genome-Wide Association Studies. 2021 , 12, 744175	1
89	Update on Phosphorylation-Mediated Brassinosteroid Signaling Pathways. 2012 , 22, 428-436	
88	TTL Proteins Scaffold Brassinosteroid Signaling Components at the Plasma Membrane to Optimize Signal Transduction in Plant Cells.	
87	Soil salinity inhibits plant shade avoidance.	
86	TTL proteins scaffold brassinosteroid signaling components at the plasma membrane to optimize signal transduction in plant cells.	
85	Expression and phosphorylation analysis of soluble proteins and membrane-localised receptor-like kinases from Arabidopsis thaliana in Escherichia coli. 2018 , 45, 315-321	
84	Mai1 protein acts between host recognition of pathogen effectors and MAPK signaling.	

83	The Receptor Kinase BRI1 promotes cell proliferation in Arabidopsis by phosphorylation- mediated inhibition of the growth repressing peptidase DA1.	1
82	Evolutionary variation in MADS-box dimerization affects floral development and protein stability.	Ο
81	Seed-Specifically Overexpressed Arabidopsis Cytochrome P450 85A2 Promotes Vegetative and Reproductive Growth and Development of Arabidopsis thaliana. 1	0
80	Comparative Transcriptomic Analysis Revealed Complex Molecular Mechanisms Underlying Pests, Pathogens Resistance and Seed Development in Wild and Cultivated Blackgram.	1
79	Cross-talk between brassinosteroids and other phytohormones. 2022, 131-159	
78	Mapping the myristoylome through a complete understanding of protein myristoylation biochemistry. 2021 , 85, 101139	4
77	Receptor-like cytoplasmic kinase OsRLCK241 functions as an important regulator of abscisic acid synthesis and response in rice. 2022 , 194, 104744	0
76	The chromosome-level genome provides insight into the molecular mechanism underlying the tortuous-branch phenotype of Prunus mume. 2021 ,	Ο
75	Brassinosteroids. 1-11	
74	Tripartite hormonal regulation of plasma membrane H-ATPase activity 2022,	1
74 73	Tripartite hormonal regulation of plasma membrane H-ATPase activity 2022, Heat Shock-Induced Accumulation of the Glycogen Synthase Kinase 3-Like Kinase BRASSINOSTEROID INSENSITIVE 2 Promotes Early Flowering but Reduces Thermotolerance in 2022, 13, 838062	1
	Heat Shock-Induced Accumulation of the Glycogen Synthase Kinase 3-Like Kinase BRASSINOSTEROID INSENSITIVE 2 Promotes Early Flowering but Reduces Thermotolerance in	
73	Heat Shock-Induced Accumulation of the Glycogen Synthase Kinase 3-Like Kinase BRASSINOSTEROID INSENSITIVE 2 Promotes Early Flowering but Reduces Thermotolerance in 2022 , 13, 838062 Physiological, biochemical, and molecular mechanisms of plant steroid hormones brassinosteroids	1
73 72	Heat Shock-Induced Accumulation of the Glycogen Synthase Kinase 3-Like Kinase BRASSINOSTEROID INSENSITIVE 2 Promotes Early Flowering but Reduces Thermotolerance in 2022, 13, 838062 Physiological, biochemical, and molecular mechanisms of plant steroid hormones brassinosteroids under drought-induced oxidative stress in plants. 2022, 99-130 BRASSINOSTEROID-SIGNALING KINASE1 modulates MAP KINASE15 phosphorylation to confer	1 O
73 72 71	Heat Shock-Induced Accumulation of the Glycogen Synthase Kinase 3-Like Kinase BRASSINOSTEROID INSENSITIVE 2 Promotes Early Flowering but Reduces Thermotolerance in 2022, 13, 838062 Physiological, biochemical, and molecular mechanisms of plant steroid hormones brassinosteroids under drought-induced oxidative stress in plants. 2022, 99-130 BRASSINOSTEROID-SIGNALING KINASE1 modulates MAP KINASE15 phosphorylation to confer powdery mildew resistance in Arabidopsis 2022, Physio-Morphological, Biochemical and Transcriptomic Analyses Provide Insights Into Drought	1 0
73 72 71 70	Heat Shock-Induced Accumulation of the Glycogen Synthase Kinase 3-Like Kinase BRASSINOSTEROID INSENSITIVE 2 Promotes Early Flowering but Reduces Thermotolerance in 2022, 13, 838062 Physiological, biochemical, and molecular mechanisms of plant steroid hormones brassinosteroids under drought-induced oxidative stress in plants. 2022, 99-130 BRASSINOSTEROID-SIGNALING KINASE1 modulates MAP KINASE15 phosphorylation to confer powdery mildew resistance in Arabidopsis 2022, Physio-Morphological, Biochemical and Transcriptomic Analyses Provide Insights Into Drought Stress Responses in Benth 2022, 13, 809723	1 0
73 72 71 70 69	Heat Shock-Induced Accumulation of the Glycogen Synthase Kinase 3-Like Kinase BRASSINOSTEROID INSENSITIVE 2 Promotes Early Flowering but Reduces Thermotolerance in 2022, 13, 838062 Physiological, biochemical, and molecular mechanisms of plant steroid hormones brassinosteroids under drought-induced oxidative stress in plants. 2022, 99-130 BRASSINOSTEROID-SIGNALING KINASE1 modulates MAP KINASE15 phosphorylation to confer powdery mildew resistance in Arabidopsis 2022, Physio-Morphological, Biochemical and Transcriptomic Analyses Provide Insights Into Drought Stress Responses in Benth 2022, 13, 809723 Brassinosteroids: A Wonder Growth Regulator to Alleviate Abiotic Stresses in Plants. 2022, 97-110	1 0

65	BAK1 plays contrasting roles in regulating abscisic acid-induced stomatal closure and abscisic acid-inhibited primary root growth in Arabidopsis 2022 ,	1
64	Key Soybean Seedlings Drought-Responsive Genes and Pathways Revealed by Comparative Transcriptome Analyses of Two Cultivars 2022 , 23,	1
63	Receptor-like cytoplasmic kinases PBL34/35/36 are required for CLE peptide-mediated signaling to maintain SAM and RAM homeostasis in Arabidopsis 2021 ,	O
62	Development of a genome-wide 200K SNP array and its application for high-density genetic mapping and origin analysis of Camellia sinensis. 2021 ,	1
61	Potential Role of Plant Growth Regulators in Administering Crucial Processes Against Abiotic Stresses. 2021 , 3,	12
60	Data_Sheet_1.xlsx. 2020 ,	
59	Image_1.TIF. 2020 ,	
58	lmage_2.TIF. 2020 ,	
57	Image_3.TIF. 2020 ,	
56	Image_4.TIF. 2020 ,	
55	Data_Sheet_1.docx. 2018 ,	
54	Table_1.DOCX. 2018 ,	
53	Overexpression of a Zea mays Brassinosteroid-Signaling Kinase Gene ZmBSK1 Confers Salt Stress Tolerance in Maize. 2022 , 13,	1
52	Brassinosteroids enhance salicylic acid-mediated immune responses by inhibiting BIN2 phosphorylation of clade I TGA transcription factors in Arabidopsis 2022 ,	O
51	A lineage-specific arginine in POS1 is required for fruit size control in Physaleae (Solanaceae) via gene co-option 2022 ,	
50	Pan-brassinosteroid signaling revealed by functional analysis of NILR1 in land plants 2022,	O
49	OsBSK2, a putative brassinosteroid-signaling kinase, positively controls grain size in rice.	0
48	Tomato brassinosteroid-signaling kinase Bsk830 is a component of flagellin signaling that regulates pre-invasion immunity.	

47	Analysis of the Arabidopsis coilin mutant reveals a positive role of AtCOILIN in plant immunity.	O
46	Importance of Tyrosine Phosphorylation in Hormone-Regulated Plant Growth and Development. 2022 , 23, 6603	O
45	Plasma Membrane-Associated Proteins Identified in Arabidopsis Wild Type, lbr2-2 and bak1-4 Mutants Treated with LPSs from Pseudomonas syringae and Xanthomonas campestris. 2022 , 12, 606	О
44	Genome-wide identification and expression analysis reveals spinach brassinosteroid-signaling kinase (BSK) gene family functions in temperature stress response. 2022 , 23,	O
43	OsBSK3 Positively Regulates Grain Length and Weight by Inhibiting the Phosphatase Activity of OsPPKL1. 2022 , 11, 1586	О
42	Deconvoluting signals downstream of growth and immune receptor kinases by phosphocodes of the BSU1 family phosphatases. 2022 , 8, 646-655	1
41	ZmBSK1 positively regulates BR-induced H2O2 production via NADPH oxidase and functions in oxidative stress tolerance in maize. 2022 , 185, 325-335	
40	The divergence of brassinosteroid sensitivity between rice subspecies involves natural variation conferring altered internal auto-binding of OsBSK2.	O
39	Brassinosteroids signaling component SlBZR1 promotes fruit ripening in tomato.	O
38	Direct attenuation of Arabidopsis ERECTA signaling by a pair of U-box E3 ligases.	
37	Interplay between phytohormone signalling pathways in plant defence lbther than salicylic acid and jasmonic acid.	1
36	Brassinosteroids promote thermotolerance through releasing BIN2-mediated phosphorylation and suppression of HsfA1 transcription factors in Arabidopsis. 2022 , 100419	
35	Identification, Evolution, and Expression Analysis of OsBSK Gene Family in Oryza sativa Japonica.	
34	Evolutionary analysis and functional characterization of BZR1 gene family in celery revealed their conserved roles in brassinosteroid signaling. 2022 , 23,	
33	The receptor-like cytoplasmic kinase OsRLCK118 regulates plant development and basal immunity in rice (<i>Oryza sativa</i> L.). 2022 , 1, 1-10	О
32	Functional role of receptor-like kinases in mediating brassinosteroid signaling pathway. 2023 , 229-251	O
31	An overview of receptor-like kinases in plants. 2023 , 1-23	4
30	HOP1 and HOP2 are involved in salt tolerance by facilitating the brassinosteroid-related nucleo-cytoplasmic partitioning of the HSP90-BIN2 complex.	O

29	Temporal signals drive the emergence of multicellular information networks. 2022, 119,	1
28	The U-box Ubiquitin Ligase TUD1 Promotes Brassinosteroid-Induced GSK2 Degradation in Rice. 2022 , 100450	O
27	BR-Mediated Protein S-Nitrosylation Alleviated Low-Temperature Stress in Mini Chinese Cabbage (Brassica rapa ssp. pekinensis). 2022 , 23, 10964	O
26	The Phosphate Deprivation Response is Mediated by an Interaction between Brassinosteroid Signaling and Zinc in Tomato.	O
25	Two Conserved Amino Acids Characterized in the Island Domain Are Essential for the Biological Functions of Brassinolide Receptors. 2022 , 23, 11454	О
24	Interaction of BES1 and LBD37 transcription factors modulates brassinosteroid-regulated root forging response under low nitrogen in arabidopsis. 13,	1
23	Molecular mechanisms of resistance to Myzus persicae conferred by the peach Rm2 gene: A multi-omics view. 13,	О
22	Ubiquitination steers SRF3 plasma membrane nano-organization to specify signaling outputs.	O
21	GhBEE3-Like gene regulated by brassinosteroids is involved in cotton drought tolerance. 13,	О
20	CKL2 mediates the crosstalk between abscisic acid and brassinosteroid signaling to promote swift growth recovery after stress in Arabidopsis.	O
19	Physiological and Transcriptional Analysis Reveals the Response Mechanism of Camellia vietnamensis Huang to Drought Stress. 2022 , 23, 11801	0
18	The Role of Transmembrane Proteins in Plant Growth, Development, and Stress Responses. 2022 , 23, 13627	1
17	OsBSK1-1, a positive regulator of brassinosteroid signaling, modulates plant architecture and grain size in rice.	О
16	Abiotic Stress Tolerance in Plants: Brassinosteroids Navigate Competently. 2022 , 23, 14577	O
15	UV-B induces the expression of flavonoid biosynthetic pathways in blueberry (Vaccinium corymbosum) calli. 13,	О
14	Identification, evolution, and expression analysis of OsBSK gene family in Oryza sativa Japonica. 2022 , 22,	1
13	Direct attenuation of Arabidopsis ERECTA signalling by a pair of U-box E3 ligases.	О
12	Tomato receptor-like cytoplasmic kinase Fir1 is involved in flagellin signaling and pre-invasion immunity.	Ο

CITATION REPORT

11	The putative myristoylome of Physcomitrium patens reveals conserved features of myristoylation in basal land plants.	О
10	Involvement of a receptor-like kinase complex of FvFLS2 and FvBAK1 in brassinosteroids-induced immunity in postharvest strawberry fruit. 2023 , 198, 112266	O
9	ARBUSCULAR MYCORRHIZA-INDUCED KINASES AMK8 and AMK24 associate with the receptor-like kinase KINASE3 to regulate arbuscular mycorrhizal symbiosis inLotus japonicus.	О
8	Brassinosteroids in plant growth and development. 2023 , 185-203	O
7	Regulatory network of GSK3-like kinases and their role in plant stress response. 14,	О
6	Brassinosteroid signaling and molecular crosstalk with nutrients in plants. 2023,	О
5	Crosstalk between brassinosteroid signaling and variable nutrient environments.	О
4	Quantitative Phosphoproteomic Analysis Reveals Potential Regulatory Mechanisms of Early Fruit Enlargement in Pecan (Carya illinoinensis). 2023 , 71, 4901-4914	O
3	Brassinosteroid transcription factor BES1 modulates nitrate deficiency by promoting NRT2 .1 and NRT2 .2 transcription in Arabidopsis.	О
2	Identification of two cassava receptor-like cytoplasmic kinase genes related to disease resistance via genome-wide and functional analysis. 2023 , 115, 110626	0
1	Cloning, characterization and expression analysis of a brassinosteroids biosynthetic gene VvDET2 in Cabernet Sauvignon (Vitis vinifera L.).	О