Geert De Jaeger

List of Publications by Year
in descending order

93 papers	8,371 citations	61984 43 h-index	51608 86 g-index
106 all docs	106 docs citations	106 times ranked	9323 citing authors

#	Article	IF	Citations
1	TheArabidopsisbHLH Transcription Factors MYC3 and MYC4 Are Targets of JAZ Repressors and Act Additively with MYC2 in the Activation of Jasmonate Responses Â. Plant Cell, 2011, 23, 701-715.	6.6	906
2	NINJA connects the co-repressor TOPLESS to jasmonate signalling. Nature, 2010, 464, 788-791.	27.8	832
3	Targeted interactomics reveals a complex core cell cycle machinery in Arabidopsis thaliana. Molecular Systems Biology, 2010, 6, 397.	7.2	315
4	Identification of factors required for m⁶A mRNA methylation in Arabidopsis reveals a role for the conserved E3 ubiquitin ligase HAKAI. New Phytologist, 2017, 215, 157-172.	7.3	301
5	ERF115 Controls Root Quiescent Center Cell Division and Stem Cell Replenishment. Science, 2013, 342, 860-863.	12.6	263
6	PYRABACTIN RESISTANCE1-LIKE8 Plays an Important Role for the Regulation of Abscisic Acid Signaling in Root Â Â Â. Plant Physiology, 2013, 161, 931-941.	4.8	244
7	The TPLATE Adaptor Complex Drives Clathrin-Mediated Endocytosis in Plants. Cell, 2014, 156, 691-704.	28.9	238
8	ANGUSTIFOLIA3 Binds to SWI/SNF Chromatin Remodeling Complexes to Regulate Transcription during Arabidopsis Leaf Development. Plant Cell, 2014, 26, 210-229.	6.6	219
9	Capturing the phosphorylation and protein interaction landscape of the plant TOR kinase. Nature Plants, 2019, 5, 316-327.	9.3	205
10	A Tandem Affinity Purification-based Technology Platform to Study the Cell Cycle Interactome in Arabidopsis thaliana. Molecular and Cellular Proteomics, 2007, 6, 1226-1238.	3.8	196
11	Targeted Degradation of Abscisic Acid Receptors Is Mediated by the Ubiquitin Ligase Substrate Adaptor DDA1 in Arabidopsis. Plant Cell, 2014, 26, 712-728.	6.6	186
12	The Clathrin Adaptor Complex AP-2 Mediates Endocytosis of BRASSINOSTEROID INSENSITIVE1 inArabidopsisÂ. Plant Cell, 2013, 25, 2986-2997.	6.6	171
13	POLAR-guided signalling complex assembly and localization drive asymmetric cell division. Nature, 2018, 563, 574-578.	27.8	167
14	Sulfenome mining in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11545-11550.	7.1	163
15	Boosting heterologous protein production in transgenic dicotyledonous seeds using Phaseolus vulgaris regulatory sequences. Nature Biotechnology, 2002, 20, 1265-1268.	17.5	162
16	An improved toolbox to unravel the plant cellular machinery by tandem affinity purification of Arabidopsis protein complexes. Nature Protocols, 2015, 10, 169-187.	12.0	160
17	Fatal attraction: the intuitive appeal of GMO opposition. Trends in Plant Science, 2015, 20, 414-418.	8.8	156
18	Dynamic Changes in ANGUSTIFOLIA3 Complex Composition Reveal a Growth Regulatory Mechanism in the Maize Leaf. Plant Cell, 2015, 27, 1605-1619.	6.6	154

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19	Multiple mechanisms limit meiotic crossovers: TOP3Î± and two BLM homologs antagonize crossovers in parallel to FANCM. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4713-4718.	7.1	138
20	FYVE1/FREE1 Interacts with the PYL4 ABA Receptor and Mediates Its Delivery to the Vacuolar Degradation Pathway. Plant Cell, 2016, 28, 2291-2311.	6.6	129
21	Adaptin-like protein TPLATE and clathrin recruitment during plant somatic cytokinesis occurs via two distinct pathways. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 615-620.	7.1	119
22	A Repressor Protein Complex Regulates Leaf Growth in Arabidopsis. Plant Cell, 2015, 27, 2273-2287.	6.6	118
23	Plant Elongator regulates auxin-related genes during RNA polymerase II transcription elongation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1678-1683.	7.1	112
24	The heterodimeric transcription factor complex ERF115â€“PAT1 grants regeneration competence. Nature Plants, 2016, 2, 16165.	9.3	111
25	Two interacting PPR proteins are major Arabidopsis editing factors in plastid and mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8877-8882.	7.1	111
26	Boosting tandem affinity purification of plant protein complexes. Trends in Plant Science, 2008, 13, 517-520.	8.8	108
27	The Phragmoplast-Orienting Kinesin-12 Class Proteins Translate the Positional Information of the Preprophase Band to Establish the Cortical Division Zone inArabidopsis thalianaÂ Â. Plant Cell, 2014, 26, 2617-2632.	6.6	107
28	bHLH003, bHLH013 and bHLH017 Are New Targets of JAZ Repressors Negatively Regulating JA Responses. PLoS ONE, 2014, 9, e86182.	2.5	104
29	Establishment of Proximity-Dependent Biotinylation Approaches in Different Plant Model Systems. Plant Cell, 2020, 32, 3388-3407.	6.6	91
30	FIGL1 and its novel partner FLIP form a conserved complex that regulates homologous recombination. PLoS Genetics, 2018, 14, e1007317.	3.5	81
31	SAMBA, a plant-specific anaphase-promoting complex/cyclosome regulator is involved in early development and A-type cyclin stabilization. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13853-13858.	7.1	80
32	Functional characterization of the Arabidopsis transcription factor bZIP29 reveals its role in leaf and root development. Journal of Experimental Botany, 2016, 67, 5825-5840.	4.8	78
33	The RING E3 Ligase KEEP ON GOING Modulates JASMONATE ZIM-DOMAIN12 Stability. Plant Physiology, 2015, 169, 1405-1417.	4.8	76
34	A Functional Study of AUXILIN-LIKE1 and 2, Two Putative Clathrin Uncoating Factors in Arabidopsis. Plant Cell, 2018, 30, 700-716.	6.6	75
35	Isolation of Transcription Factor Complexes from Arabidopsis Cell Suspension Cultures by Tandem Affinity Purification. Methods in Molecular Biology, 2011, 754, 195-218.	0.9	64
36	DET1-mediated degradation of a SAGA-like deubiquitination module controls H2Bub homeostasis. ELife, 2018, 7, .	6.0	63

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37	SnRK2 Protein Kinases and mRNA Decapping Machinery Control Root Development and Response to Salt. Plant Physiology, 2020, 182, 361-377.	4.8	62
38	Strigolactones, karrikins and beyond. Plant, Cell and Environment, 2017, 40, 1691-1703.	5.7	61
39	Ectopic application of the repressive histone modification H3K9me2 establishes post-zygotic reproductive isolation inArabidopsis thaliana. Genes and Development, 2017, 31, 1272-1287.	5.9	61
40	Bacterial and plant-produced scFv proteins have similar antigen-binding properties. FEBS Letters, 1996, 386, 5-10.	2.8	60
41	The Non-JAZ TIFY Protein TIFY8 from Arabidopsis thaliana Is a Transcriptional Repressor. PLoS ONE, 2014, 9, e84891.	2.5	55
42	The transcriptional repressor complex FRS7-FRS12 regulates flowering time and growth in Arabidopsis. Nature Communications, 2017, 8, 15235.	12.8	54
43	Mutations of the AtYAK1 Kinase Suppress TOR Deficiency in Arabidopsis. Cell Reports, 2019, 27, 3696-3708.e5.	6.4	54
44	The SBT6.1 subtilase processes the GOLVEN1 peptide controlling cell elongation. Journal of Experimental Botany, 2016, 67, 4877-4887.	4.8	51
45	The Arabidopsis lectin EULS3 is involved in stomatal closure. Plant Science, 2015, 238, 312-322.	3.6	48
46	KIN10 promotes stomatal development through stabilization of the SPEECHLESS transcription factor. Nature Communications, 2020, 11, 4214.	12.8	48
47	Retromer Subunits VPS35A and VPS29 Mediate Prevacuolar Compartment (PVC) Function in Arabidopsis. Molecular Plant, 2013, 6, 1849-1862.	8.3	47
48	A Generic Tool for Transcription Factor Target Gene Discovery in Arabidopsis Cell Suspension Cultures Based on Tandem Chromatin Affinity Purification. Plant Physiology, 2014, 164, 1122-1133.	4.8	43
49	PP2A-3 interacts with ACR4 and regulates formative cell division in the Arabidopsis root. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1447-1452.	7.1	43
50	Unravelling plant molecular machineries through affinity purification coupled to mass spectrometry. Current Opinion in Plant Biology, 2015, 24, 1-9.	7.1	39
51	ROTUNDA3 function in plant development by phosphatase 2A-mediated regulation of auxin transporter recycling. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2768-2773.	7.1	37
52	Glutaredoxin GRXS17 Associates with the Cytosolic Iron-Sulfur Cluster Assembly Pathway. Plant Physiology, 2016, 172, pp.00261.2016.	4.8	35
53	The CEP5 Peptide Promotes Abiotic Stress Tolerance, As Revealed by Quantitative Proteomics, and Attenuates the AUX/IAA Equilibrium in Arabidopsis. Molecular and Cellular Proteomics, 2020, 19, 1248-1262.	3.8	35
54	SYNERGISTIC ON AUXIN AND CYTOKININ 1 positively regulates growth and attenuates soil pathogen resistance. Nature Communications, 2020, 11, 2170.	12.8	34

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55	Arabidopsis thaliana RNase H2 Deficiency Counteracts the Needs for the WEE1 Checkpoint Kinase but Triggers Genome Instability Â. Plant Cell, 2014, 26, 3680-3692.	6.6	33
56	Recent Trends in Plant Protein Complex Analysis in a Developmental Context. Frontiers in Plant Science, 2018, 9, 640.	3.6	32
57	NuA4 and H2A.Z control environmental responses and autotrophic growth in Arabidopsis. Nature Communications, 2022, 13, 277.	12.8	32
58	Molecular architecture of the endocytic TPLATE complex. Science Advances, 2021, 7, .	10.3	31
59	Proteomic characterization of isolated Arabidopsis clathrin-coated vesicles reveals evolutionarily conserved and plant-specific components. Plant Cell, 2022, 34, 2150-2173.	6.6	31
60	The Cyclin-Dependent Kinase Inhibitor KRP6 Induces Mitosis and Impairs Cytokinesis in Giant Cells Induced by Plant-Parasitic Nematodes in Arabidopsis Â. Plant Cell, 2014, 26, 2633-2647.	6.6	30
61	The membrane-localized protein kinase MAP4K4/TOT3 regulates thermomorphogenesis. Nature Communications, 2021, 12, 2842.	12.8	30
62	UBP12 and UBP13 negatively regulate the activity of the ubiquitin-dependent peptidases DA1, DAR1 and DAR2. ELife, 2020, 9, .	6.0	30
63	The DREAM complex represses growth in response to DNA damage in Arabidopsis. Life Science Alliance, 2021, 4, e202101141.	2.8	27
64	High Temporal Resolution Reveals Simultaneous Plasma Membrane Recruitment of TPLATE Complex Subunits. Plant Physiology, 2020, 183, 986-997.	4.8	26
65	Arabidopsis casein kinase 2 triggers stem cell exhaustion under Al toxicity and phosphate deficiency through activating the DNA damage response pathway. Plant Cell, 2021, 33, 1361-1380.	6.6	26
66	ROPGAP-dependent interaction between brassinosteroid and ROP2-GTPase signaling controls pavement cell shape in Arabidopsis. Current Biology, 2022, 32, 518-531.e6.	3.9	24
67	Distinct EH domains of the endocytic TPLATE complex confer lipid and protein binding. Nature Communications, 2021, 12, 3050.	12.8	23
68	Patronus is the elusive plant securin, preventing chromosome separation by antagonizing separase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16018-16027.	7.1	22
69	The domesticated transposase ALP2 mediates formation of a novel Polycomb protein complex by direct interaction with MSI1, a core subunit of Polycomb Repressive Complex 2 (PRC2). PLoS Genetics, 2020, 16, e1008681.	3.5	22
70	Analysis of the interaction between single-chain variable fragments and their antigen in a reducing intracellular environment using the two-hybrid system. FEBS Letters, 2000, 467, 316-320.	2.8	20
71	Isolation of protein complexes from the model legume Medicago truncatula by tandem affinity purification in hairy root cultures. Plant Journal, 2016, 88, 476-489.	5.7	20
72	De-Problematizing â€˜GMOsâ€™: Suggestions for Communicating about Genetic Engineering. Trends in Biotechnology, 2017, 35, 185-186.	9.3	20

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73	The role of HEXOKINASE1 in Arabidopsis leaf growth. Plant Molecular Biology, 2019, 99, 79-93.	3.9	20
74	GS^{yellow}, a Multifaceted Tag for Functional Protein Analysis in Monocot and Dicot Plants. Plant Physiology, 2018, 177, 447-464.	4.8	19
75	Histone 2B monoubiquitination complex integrates transcript elongation with RNA processing at circadian clock and flowering regulators. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8060-8069.	7.1	18
76	FRS7 and FRS12 recruit NINJA to regulate expression of glucosinolate biosynthesis genes. New Phytologist, 2020, 227, 1124-1137.	7.3	17
77	Conditional destabilization of the TPLATE complex impairs endocytic internalization. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	17
78	The Arabidopsis Ironâ€“Sulfur Protein GRXS17 is a Target of the Ubiquitin E3 Ligases RGLG3 and RGLG4. Plant and Cell Physiology, 2016, 57, 1801-1813.	3.1	16
79	TPX2-LIKE PROTEIN3 Is the Primary Activator of Î±-Aurora Kinases and Is Essential for Embryogenesis. Plant Physiology, 2019, 180, 1389-1405.	4.8	16
80	TOR promotes guard cell starch degradation by regulating the activity of Î²-AMYLASE1 in Arabidopsis. Plant Cell, 2022, 34, 1038-1053.	6.6	16
81	Quantitative Tandem Affinity Purification, an Effective Tool to Investigate Protein Complex Composition in Plant Hormone Signaling: Strigolactones in the Spotlight. Frontiers in Plant Science, 2018, 9, 528.	3.6	13
82	The Mitochondrial DNA (mtDNA)-Associated Protein SWIB5 Influences mtDNA Architecture and Homologous Recombination. Plant Cell, 2017, 29, tpc.00899.2016.	6.6	11
83	Unraveling the MAX2 Protein Network in Arabidopsis thaliana: Identification of the Protein Phosphatase PAPP5 as a Novel MAX2 Interactor. Molecular and Cellular Proteomics, 2021, 20, 100040.	3.8	11
84	SAMBA controls cell division rate during maize development. Plant Physiology, 2022, 188, 411-424.	4.8	9
85	Transferring an optimized TAP-toolbox for the isolation of protein complexes to a portfolio of rice tissues. Plant Molecular Biology, 2016, 91, 341-354.	3.9	7
86	The Need to Understand GMO Opposition: Reply to CouÃ©e. Trends in Plant Science, 2016, 21, 92.	8.8	4
87	A Mutation in DNA Polymerase Î± Rescues WEE1KO Sensitivity to HU. International Journal of Molecular Sciences, 2021, 22, 9409.	4.1	3
88	The mutation nrpb1â€A325V in the largest subunit of <scp>RNA</scp> polymerase <scp>II</scp> suppresses compromised growth of Arabidopsis plants deficient in a function of the general transcription factor <scp>IIF</scp>. Plant Journal, 2017, 89, 730-745.	5.7	2
89	Characterization of the Î³-secretase subunit interactome in Arabidopsis thaliana. Acta Physiologiae Plantarum, 2019, 41, 1.	2.1	1
90	Title is missing!. , 2020, 16, e1008681.		0

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91	Title is missing!. , 2020, 16, e1008681.		0
92	Title is missing!. , 2020, 16, e1008681.		0
93	Title is missing!. , 2020, 16, e1008681.		0