

# Geert De Jaeger

## List of Publications by Year in descending order

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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	SAMBA controls cell division rate during maize development. <i>Plant Physiology</i> , 2022, 188, 411-424.	4.8	9
2	NuA4 and H2A.Z control environmental responses and autotrophic growth in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2022, 13, 277.	12.8	32
3	ROP GAP-dependent interaction between brassinosteroid and ROP2-GTPase signaling controls pavement cell shape in <i>Arabidopsis</i> . <i>Current Biology</i> , 2022, 32, 518-531.e6.	3.9	24
4	Proteomic characterization of isolated <i>Arabidopsis</i> clathrin-coated vesicles reveals evolutionarily conserved and plant-specific components. <i>Plant Cell</i> , 2022, 34, 2150-2173.	6.6	31
5	TOR promotes guard cell starch degradation by regulating the activity of Î²-AMYLASE1 in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2022, 34, 1038-1053.	6.6	16
6	<i>Arabidopsis</i> casein kinase 2 triggers stem cell exhaustion under Al toxicity and phosphate deficiency through activating the DNA damage response pathway. <i>Plant Cell</i> , 2021, 33, 1361-1380.	6.6	26
7	Molecular architecture of the endocytic TPLATE complex. <i>Science Advances</i> , 2021, 7, .	10.3	31
8	Conditional destabilization of the TPLATE complex impairs endocytic internalization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
9	The membrane-localized protein kinase MAP4K4/TOT3 regulates thermomorphogenesis. <i>Nature Communications</i> , 2021, 12, 2842.	12.8	30
10	Distinct EH domains of the endocytic TPLATE complex confer lipid and protein binding. <i>Nature Communications</i> , 2021, 12, 3050.	12.8	23
11	A Mutation in DNA Polymerase Î± Rescues WEE1KO Sensitivity to HU. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9409.	4.1	3
12	The DREAM complex represses growth in response to DNA damage in <i>Arabidopsis</i> . <i>Life Science Alliance</i> , 2021, 4, e202101141.	2.8	27
13	Unraveling the MAX2 Protein Network in <i>Arabidopsis thaliana</i> : Identification of the Protein Phosphatase PAPP5 as a Novel MAX2 Interactor. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100040.	3.8	11
14	SnRK2 Protein Kinases and mRNA Decapping Machinery Control Root Development and Response to Salt. <i>Plant Physiology</i> , 2020, 182, 361-377.	4.8	62
15	KIN10 promotes stomatal development through stabilization of the SPEECHLESS transcription factor. <i>Nature Communications</i> , 2020, 11, 4214.	12.8	48
16	Establishment of Proximity-Dependent Biotinylation Approaches in Different Plant Model Systems. <i>Plant Cell</i> , 2020, 32, 3388-3407.	6.6	91
17	High Temporal Resolution Reveals Simultaneous Plasma Membrane Recruitment of TPLATE Complex Subunits. <i>Plant Physiology</i> , 2020, 183, 986-997.	4.8	26
18	The CEP5 Peptide Promotes Abiotic Stress Tolerance, As Revealed by Quantitative Proteomics, and Attenuates the AUX/IAA Equilibrium in <i>Arabidopsis</i> . <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1248-1262.	3.8	35

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19	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). <i>PLoS Genetics</i> , 2020, 16, e1008681.	3.5	22
20	SYNERGISTIC ON AUXIN AND CYTOKININ 1 positively regulates growth and attenuates soil pathogen resistance. <i>Nature Communications</i> , 2020, 11, 2170.	12.8	34
21	FRS7 and FRS12 recruit NINJA to regulate expression of glucosinolate biosynthesis genes. <i>New Phytologist</i> , 2020, 227, 1124-1137.	7.3	17
22	UBP12 and UBP13 negatively regulate the activity of the ubiquitin-dependent peptidases DA1, DAR1 and DAR2. <i>ELife</i> , 2020, 9, .	6.0	30
23	Title is missing!. , 2020, 16, e1008681.		0
24	Title is missing!. , 2020, 16, e1008681.		0
25	Title is missing!. , 2020, 16, e1008681.		0
26	Title is missing!. , 2020, 16, e1008681.		0
27	Mutations of the AtYAK1 Kinase Suppress TOR Deficiency in Arabidopsis. <i>Cell Reports</i> , 2019, 27, 3696-3708.e5.	6.4	54
28	TPX2-LIKE PROTEIN3 Is the Primary Activator of Î±-Aurora Kinases and Is Essential for Embryogenesis. <i>Plant Physiology</i> , 2019, 180, 1389-1405.	4.8	16
29	Capturing the phosphorylation and protein interaction landscape of the plant TOR kinase. <i>Nature Plants</i> , 2019, 5, 316-327.	9.3	205
30	Histone 2B monoubiquitination complex integrates transcript elongation with RNA processing at circadian clock and flowering regulators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8060-8069.	7.1	18
31	Patronus is the elusive plant securin, preventing chromosome separation by antagonizing separase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16018-16027.	7.1	22
32	Characterization of the Î³-secretase subunit interactome in Arabidopsis thaliana. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	2.1	1
33	The role of HEXOKINASE1 in Arabidopsis leaf growth. <i>Plant Molecular Biology</i> , 2019, 99, 79-93.	3.9	20
34	A Functional Study of AUXILIN-LIKE1 and 2, Two Putative Clathrin Uncoating Factors in Arabidopsis. <i>Plant Cell</i> , 2018, 30, 700-716.	6.6	75
35	GS <sup>yellow</sup> , a Multifaceted Tag for Functional Protein Analysis in Monocot and Dicot Plants. <i>Plant Physiology</i> , 2018, 177, 447-464.	4.8	19
36	POLAR-guided signalling complex assembly and localization drive asymmetric cell division. <i>Nature</i> , 2018, 563, 574-578.	27.8	167

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37	FIGL1 and its novel partner FLIP form a conserved complex that regulates homologous recombination. <i>PLoS Genetics</i> , 2018, 14, e1007317.	3.5	81
38	Quantitative Tandem Affinity Purification, an Effective Tool to Investigate Protein Complex Composition in Plant Hormone Signaling: Strigolactones in the Spotlight. <i>Frontiers in Plant Science</i> , 2018, 9, 528.	3.6	13
39	Recent Trends in Plant Protein Complex Analysis in a Developmental Context. <i>Frontiers in Plant Science</i> , 2018, 9, 640.	3.6	32
40	DET1-mediated degradation of a SAGA-like deubiquitination module controls H2Bub homeostasis. <i>ELife</i> , 2018, 7, .	6.0	63
41	De-Problematizing "GMOs": Suggestions for Communicating about Genetic Engineering. <i>Trends in Biotechnology</i> , 2017, 35, 185-186.	9.3	20
42	The Mitochondrial DNA (mtDNA)-Associated Protein SWIB5 Influences mtDNA Architecture and Homologous Recombination. <i>Plant Cell</i> , 2017, 29, tpc.00899.2016.	6.6	11
43	Identification of factors required for m <sup>6</sup> A mRNA methylation in <i>Arabidopsis</i> reveals a role for the conserved E3 ubiquitin ligase HAKAI. <i>New Phytologist</i> , 2017, 215, 157-172.	7.3	301
44	The transcriptional repressor complex FRS7-FRS12 regulates flowering time and growth in <i>Arabidopsis</i> . <i>Nature Communications</i> , 2017, 8, 15235.	12.8	54
45	Strigolactones, karrikins and beyond. <i>Plant, Cell and Environment</i> , 2017, 40, 1691-1703.	5.7	61
46	Ectopic application of the repressive histone modification H3K9me2 establishes post-zygotic reproductive isolation in <i>Arabidopsis thaliana</i> . <i>Genes and Development</i> , 2017, 31, 1272-1287.	5.9	61
47	Two interacting PPR proteins are major <i>Arabidopsis</i> editing factors in plastid and mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8877-8882.	7.1	111
48	The mutation <i>nrpb1-325V</i> in the largest subunit of <i>RNA</i> polymerase <i>II</i> suppresses compromised growth of <i>Arabidopsis</i> plants deficient in a function of the general transcription factor <i>IIF</i> . <i>Plant Journal</i> , 2017, 89, 730-745.	5.7	2
49	Functional characterization of the <i>Arabidopsis</i> transcription factor bZIP29 reveals its role in leaf and root development. <i>Journal of Experimental Botany</i> , 2016, 67, 5825-5840.	4.8	78
50	FYVE1/FREE1 Interacts with the PYL4 ABA Receptor and Mediates Its Delivery to the Vacuolar Degradation Pathway. <i>Plant Cell</i> , 2016, 28, 2291-2311.	6.6	129
51	The <i>Arabidopsis</i> Iron-Sulfur Protein GRXS17 is a Target of the Ubiquitin E3 Ligases RGLG3 and RGLG4. <i>Plant and Cell Physiology</i> , 2016, 57, 1801-1813.	3.1	16
52	Glutaredoxin GRXS17 Associates with the Cytosolic Iron-Sulfur Cluster Assembly Pathway. <i>Plant Physiology</i> , 2016, 172, pp.00261.2016.	4.8	35
53	Isolation of protein complexes from the model legume <i>Medicago truncatula</i> by tandem affinity purification in hairy root cultures. <i>Plant Journal</i> , 2016, 88, 476-489.	5.7	20
54	The heterodimeric transcription factor complex ERF115 "PAT1 grants regeneration competence. <i>Nature Plants</i> , 2016, 2, 16165.	9.3	111

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55	The SBT6.1 subtilase processes the GOLVEN1 peptide controlling cell elongation. <i>Journal of Experimental Botany</i> , 2016, 67, 4877-4887.	4.8	51
56	PP2A-3 interacts with ACR4 and regulates formative cell division in the <i>Arabidopsis</i> root. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1447-1452.	7.1	43
57	Transferring an optimized TAP-toolbox for the isolation of protein complexes to a portfolio of rice tissues. <i>Plant Molecular Biology</i> , 2016, 91, 341-354.	3.9	7
58	ROTUNDA3 function in plant development by phosphatase 2A-mediated regulation of auxin transporter recycling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2768-2773.	7.1	37
59	The Need to Understand GMO Opposition: Reply to CouÃ©e. <i>Trends in Plant Science</i> , 2016, 21, 92.	8.8	4
60	Unravelling plant molecular machineries through affinity purification coupled to mass spectrometry. <i>Current Opinion in Plant Biology</i> , 2015, 24, 1-9.	7.1	39
61	Dynamic Changes in ANGUSTIFOLIA3 Complex Composition Reveal a Growth Regulatory Mechanism in the Maize Leaf. <i>Plant Cell</i> , 2015, 27, 1605-1619.	6.6	154
62	Fatal attraction: the intuitive appeal of GMO opposition. <i>Trends in Plant Science</i> , 2015, 20, 414-418.	8.8	156
63	The <i>Arabidopsis</i> lectin EULS3 is involved in stomatal closure. <i>Plant Science</i> , 2015, 238, 312-322.	3.6	48
64	A Repressor Protein Complex Regulates Leaf Growth in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2015, 27, 2273-2287.	6.6	118
65	The RING E3 Ligase KEEP ON GOING Modulates JASMONATE ZIM-DOMAIN12 Stability. <i>Plant Physiology</i> , 2015, 169, 1405-1417.	4.8	76
66	Multiple mechanisms limit meiotic crossovers: TOP3 $\beta$ and two BLM homologs antagonize crossovers in parallel to FANCM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4713-4718.	7.1	138
67	An improved toolbox to unravel the plant cellular machinery by tandem affinity purification of <i>Arabidopsis</i> protein complexes. <i>Nature Protocols</i> , 2015, 10, 169-187.	12.0	160
68	The Non-JAZ TIFY Protein TIFY8 from <i>Arabidopsis thaliana</i> Is a Transcriptional Repressor. <i>PLoS ONE</i> , 2014, 9, e84891.	2.5	55
69	The Phragmoplast-Orienting Kinesin-12 Class Proteins Translate the Positional Information of the Preprophase Band to Establish the Cortical Division Zone in <i>Arabidopsis thaliana</i> . <i>Plant Cell</i> , 2014, 26, 2617-2632.	6.6	107
70	The TPLATE Adaptor Complex Drives Clathrin-Mediated Endocytosis in Plants. <i>Cell</i> , 2014, 156, 691-704.	28.9	238
71	<i>Arabidopsis thaliana</i> RNase H2 Deficiency Counteracts the Needs for the WEE1 Checkpoint Kinase but Triggers Genome Instability. <i>Plant Cell</i> , 2014, 26, 3680-3692.	6.6	33
72	A Generic Tool for Transcription Factor Target Gene Discovery in <i>Arabidopsis</i> Cell Suspension Cultures Based on Tandem Chromatin Affinity Purification. <i>Plant Physiology</i> , 2014, 164, 1122-1133.	4.8	43

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73	The Cyclin-Dependent Kinase Inhibitor KRP6 Induces Mitosis and Impairs Cytokinesis in Giant Cells Induced by Plant-Parasitic Nematodes in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 2633-2647.	6.6	30
74	Sulfenome mining in <i>Arabidopsis thaliana</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11545-11550.	7.1	163
75	Targeted Degradation of Abscisic Acid Receptors Is Mediated by the Ubiquitin Ligase Substrate Adaptor DDA1 in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 712-728.	6.6	186
76	ANGUSTIFOLIA3 Binds to SWI/SNF Chromatin Remodeling Complexes to Regulate Transcription during <i>Arabidopsis</i> Leaf Development. <i>Plant Cell</i> , 2014, 26, 210-229.	6.6	219
77	bHLH003, bHLH013 and bHLH017 Are New Targets of JAZ Repressors Negatively Regulating JA Responses. <i>PLoS ONE</i> , 2014, 9, e86182.	2.5	104
78	The Clathrin Adaptor Complex AP-2 Mediates Endocytosis of BRASSINOSTEROID INSENSITIVE1 in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 2986-2997.	6.6	171
79	ERF115 Controls Root Quiescent Center Cell Division and Stem Cell Replenishment. <i>Science</i> , 2013, 342, 860-863.	12.6	263
80	PYRABACTIN RESISTANCE1-LIKE8 Plays an Important Role for the Regulation of Abscisic Acid Signaling in Root. <i>Plant Physiology</i> , 2013, 161, 931-941.	4.8	244
81	Retromer Subunits VPS35A and VPS29 Mediate Prevacuolar Compartment (PVC) Function in <i>Arabidopsis</i> . <i>Molecular Plant</i> , 2013, 6, 1849-1862.	8.3	47
82	SAMBA, a plant-specific anaphase-promoting complex/cyclosome regulator is involved in early development and A-type cyclin stabilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13853-13858.	7.1	80
83	Adaptin-like protein TPLATE and clathrin recruitment during plant somatic cytokinesis occurs via two distinct pathways. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 615-620.	7.1	119
84	Isolation of Transcription Factor Complexes from <i>Arabidopsis</i> Cell Suspension Cultures by Tandem Affinity Purification. <i>Methods in Molecular Biology</i> , 2011, 754, 195-218.	0.9	64
85	The <i>Arabidopsis</i> bHLH Transcription Factors MYC3 and MYC4 Are Targets of JAZ Repressors and Act Additively with MYC2 in the Activation of Jasmonate Responses. <i>Plant Cell</i> , 2011, 23, 701-715.	6.6	906
86	NINJA connects the co-repressor TOPLESS to jasmonate signalling. <i>Nature</i> , 2010, 464, 788-791.	27.8	832
87	Plant Elongator regulates auxin-related genes during RNA polymerase II transcription elongation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1678-1683.	7.1	112
88	Targeted interactomics reveals a complex core cell cycle machinery in <i>Arabidopsis thaliana</i> . <i>Molecular Systems Biology</i> , 2010, 6, 397.	7.2	315
89	Boosting tandem affinity purification of plant protein complexes. <i>Trends in Plant Science</i> , 2008, 13, 517-520.	8.8	108
90	A Tandem Affinity Purification-based Technology Platform to Study the Cell Cycle Interactome in <i>Arabidopsis thaliana</i> . <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1226-1238.	3.8	196

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91	Boosting heterologous protein production in transgenic dicotyledonous seeds using <i>Phaseolus vulgaris</i> regulatory sequences. <i>Nature Biotechnology</i> , 2002, 20, 1265-1268.	17.5	162
92	Analysis of the interaction between single-chain variable fragments and their antigen in a reducing intracellular environment using the two-hybrid system. <i>FEBS Letters</i> , 2000, 467, 316-320.	2.8	20
93	Bacterial and plant-produced scFv proteins have similar antigen-binding properties. <i>FEBS Letters</i> , 1996, 386, 5-10.	2.8	60