

Pascal Genschik

List of Publications by Year in descending order

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107
papers

17,855
citations

26630

56
h-index

27406

106
g-index

115
all docs

115
docs citations

115
times ranked

26496
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	1,430
3	EIN3-Dependent Regulation of Plant Ethylene Hormone Signaling by Two Arabidopsis F Box Proteins. <i>Cell</i> , 2003, 115, 679-689.	28.9	681
4	The Cold-Inducible CBF1 Factor-Dependent Signaling Pathway Modulates the Accumulation of the Growth-Repressing DELLA Proteins via Its Effect on Gibberellin Metabolism. <i>Plant Cell</i> , 2008, 20, 2117-2129.	6.6	658
5	The SCFCO11 Ubiquitin-Ligase Complexes Are Required for Jasmonate Response in Arabidopsis. <i>Plant Cell</i> , 2002, 14, 1919-1935.	6.6	600
6	Proteasome-Mediated Turnover of the Transcription Coactivator NPR1 Plays Dual Roles in Regulating Plant Immunity. <i>Cell</i> , 2009, 137, 860-872.	28.9	494
7	Plant DELLAs Restrain Growth and Promote Survival of Adversity by Reducing the Levels of Reactive Oxygen Species. <i>Current Biology</i> , 2008, 18, 656-660.	3.9	453
8	Gibberellin Signaling Controls Cell Proliferation Rate in Arabidopsis. <i>Current Biology</i> , 2009, 19, 1188-1193.	3.9	410
9	F-box proteins everywhere. <i>Current Opinion in Plant Biology</i> , 2006, 9, 631-638.	7.1	335
10	The plant stress hormone ethylene controls floral transition via DELLA-dependent regulation of floral meristem-identity genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6484-6489.	7.1	334
11	The Plovervirus F Box Protein PO Targets ARGONAUTE1 to Suppress RNA Silencing. <i>Current Biology</i> , 2007, 17, 1615-1621.	3.9	298
12	Releasing the brakes of plant growth: how GAs shutdown DELLA proteins. <i>Journal of Experimental Botany</i> , 2009, 60, 1085-1092.	4.8	292
13	The Arabidopsis DELLA RGA-LIKE3 Is a Direct Target of MYC2 and Modulates Jasmonate Signaling Responses. <i>Plant Cell</i> , 2012, 24, 3307-3319.	6.6	273
14	Interaction between the bHLH Transcription Factor FIT and ETHYLENE INSENSITIVE3/ETHYLENE INSENSITIVE3-LIKE1 Reveals Molecular Linkage between the Regulation of Iron Acquisition and Ethylene Signaling in Arabidopsis. <i>Plant Cell</i> , 2011, 23, 1815-1829.	6.6	256
15	F-box-like domain in the plovervirus protein PO is required for silencing suppressor function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1994-1999.	7.1	254
16	Degradation of the antiviral component ARGONAUTE1 by the autophagy pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 15942-15946.	7.1	251
17	The Cyclin-Dependent Kinase Inhibitor KRP2 Controls the Onset of the Endoreduplication Cycle during Arabidopsis Leaf Development through Inhibition of Mitotic CDKA;1 Kinase Complexes. <i>Plant Cell</i> , 2005, 17, 1723-1736.	6.6	248
18	The emerging family of CULLIN3-RING ubiquitin ligases (CRL3s): cellular functions and disease implications. <i>EMBO Journal</i> , 2013, 32, 2307-2320.	7.8	222

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19	Autophagy in Plants â€“ What's New on the Menu?. Trends in Plant Science, 2016, 21, 134-144.	8.8	221
20	Class I TCP-DELLA Interactions in Inflorescence Shoot Apex Determine Plant Height. Current Biology, 2014, 24, 1923-1928.	3.9	209
21	Ralstonia solanacearum requires F-box-like domain-containing type III effectors to promote disease on several host plants. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14620-14625.	7.1	202
22	Cell Cycle-Dependent Proteolysis in Plants: Identification of the Destruction Box Pathway and Metaphase Arrest Produced by the Proteasome Inhibitor MG132. Plant Cell, 1998, 10, 2063-2075.	6.6	199
23	MSI4/FVE interacts with CUL4-DB1 and a PRC2-like complex to control epigenetic regulation of flowering time in <i>Arabidopsis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3430-3435.	7.1	154
24	Null Mutation of AtCUL1 Causes Arrest in Early Embryogenesis in <i>Arabidopsis</i> . Molecular Biology of the Cell, 2002, 13, 1916-1928.	2.1	153
25	DELLAs Regulate Chlorophyll and Carotenoid Biosynthesis to Prevent Photooxidative Damage during Seedling Deetiolation in <i>Arabidopsis</i> . Plant Cell, 2011, 23, 1849-1860.	6.6	148
26	MATH/BTB CRL3 Receptors Target the Homeodomain-Leucine Zipper ATHB6 to Modulate Abscisic Acid Signaling. Developmental Cell, 2011, 21, 1116-1128.	7.0	134
27	CUL4 associates with DDB1 and DET1 and its downregulation affects diverse aspects of development in <i>Arabidopsis thaliana</i> . Plant Journal, 2006, 47, 591-603.	5.7	131
28	Modulation of Phototropic Responsiveness in <i>Arabidopsis</i> through Ubiquitination of Phototropin 1 by the CUL3-Ring E3 Ubiquitin Ligase CRL3NPH3. Plant Cell, 2011, 23, 3627-3640.	6.6	131
29	The plant hormone ethylene restricts <i>Arabidopsis</i> growth via the epidermis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4130-E4139.	7.1	127
30	The Exoribonuclease XRN4 Is a Component of the Ethylene Response Pathway in <i>Arabidopsis</i> . Plant Cell, 2006, 18, 3047-3057.	6.6	126
31	The <i>Arabidopsis thaliana</i> F-Box Protein FBL17 Is Essential for Progression through the Second Mitosis during Pollen Development. PLoS ONE, 2009, 4, e4780.	2.5	124
32	Expression of a Nondegradable Cyclin B1 Affects Plant Development and Leads to Endomitosis by Inhibiting the Formation of a Phragmoplast. Plant Cell, 2004, 16, 643-657.	6.6	121
33	The <i>Arabidopsis</i> Anaphase-Promoting Complex or Cyclosome: Molecular and Genetic Characterization of the APC2 Subunit. Plant Cell, 2003, 15, 2370-2382.	6.6	117
34	<i>Arabidopsis</i> AtCUL3a and AtCUL3b Form Complexes with Members of the BTB/POZ-MATH Protein Family. Plant Physiology, 2005, 137, 83-93.	4.8	116
35	Cell Cycle-Dependent Proteolysis in Plants: Identification of the Destruction Box Pathway and Metaphase Arrest Produced by the Proteasome Inhibitor MG132. Plant Cell, 1998, 10, 2063.	6.6	110
36	First glance at the plant APC/C, a highly conserved ubiquitin-protein ligase. Trends in Plant Science, 2003, 8, 83-89.	8.8	108

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37	GIGAS CELL1, a Novel Negative Regulator of the Anaphase-Promoting Complex/Cyclosome, Is Required for Proper Mitotic Progression and Cell Fate Determination in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2011, 23, 4382-4393.	6.6	107
38	Regulation and Role of Arabidopsis CUL4-DDB1A-DDB2 in Maintaining Genome Integrity upon UV Stress. <i>PLoS Genetics</i> , 2008, 4, e1000093.	3.5	101
39	Cell cycle-dependent proteolysis and ectopic overexpression of cyclin B1 in tobacco BY2 cells. <i>Plant Journal</i> , 2000, 24, 763-773.	5.7	93
40	Molecular and functional characterization of Arabidopsis Cullin 3A. <i>Plant Journal</i> , 2005, 41, 386-399.	5.7	91
41	Point mutations in Arabidopsis Cullin1 reveal its essential role in jasmonate response. <i>Plant Journal</i> , 2005, 42, 514-524.	5.7	88
42	Arabidopsis CULLIN3 Genes Regulate Primary Root Growth and Patterning by Ethylene-Dependent and -Independent Mechanisms. <i>PLoS Genetics</i> , 2009, 5, e1000328.	3.5	88
43	Characterization of the Escherichia coli RNA 3'-Terminal Phosphate Cyclase and Its 5,4-Regulated Operon. <i>Journal of Biological Chemistry</i> , 1998, 273, 25516-25526.	3.4	85
44	Functional analysis of EID1, an F-box protein involved in phytochrome A-dependent light signal transduction. <i>Plant Journal</i> , 2006, 45, 423-438.	5.7	84
45	The viral F-box protein P0 induces an ER-derived autophagy degradation pathway for the clearance of membrane-bound AGO1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22872-22883.	7.1	83
46	Ubiquitin genes are differentially regulated in protoplast-derived cultures of <i>Nicotiana sylvestris</i> and in response to various stresses. <i>Plant Molecular Biology</i> , 1992, 20, 897-910.	3.9	76
47	The RPN1 Subunit of the 26S Proteasome in Arabidopsis Is Essential for Embryogenesis. <i>Plant Cell</i> , 2005, 17, 2723-2737.	6.6	76
48	Specialization of CDC27 function in the <i>Arabidopsis thaliana</i> anaphase-promoting complex (APC/C). <i>Plant Journal</i> , 2008, 53, 78-89.	5.7	74
49	The human RNA 3'-terminal phosphate cyclase is a member of a new family of proteins conserved in Eucarya, Bacteria and Archaea. <i>EMBO Journal</i> , 1997, 16, 2955-2967.	7.8	68
50	The Arabidopsis CUL4-DDB1 complex interacts with MSI1 and is required to maintain <i>MEDEA</i> parental imprinting. <i>EMBO Journal</i> , 2011, 30, 731-743.	7.8	68
51	The APC/C E3 ligase remains active in most post-mitotic <i>Arabidopsis</i> cells and is required for proper vasculature development and organization. <i>Development (Cambridge)</i> , 2009, 136, 1475-1485.	2.5	67
52	CUL3 ^{BPM} E3 ubiquitin ligases regulate MYC2, MYC3, and MYC4 stability and JA responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6205-6215.	7.1	67
53	Auxin-Binding Protein 1 is a negative regulator of the SCFTIR1/AFB pathway. <i>Nature Communications</i> , 2013, 4, 2496.	12.8	66
54	Effects of the polyubiquitin gene Ubi. U4 leader intron and first ubiquitin monomer on reporter gene expression in <i>Nicotiana tabacum</i> . <i>Plant Molecular Biology</i> , 2001, 45, 655-667.	3.9	64

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55	Selective proteolysis sets the tempo of the cell cycle. <i>Current Opinion in Plant Biology</i> , 2010, 13, 631-639.	7.1	62
56	The AtRbx1 Protein Is Part of Plant SCF Complexes, and Its Down-regulation Causes Severe Growth and Developmental Defects. <i>Journal of Biological Chemistry</i> , 2002, 277, 50069-50080.	3.4	59
57	Molecular Characterization of Plant Ubiquitin-Conjugating Enzymes Belonging to the UbcP4/E2-C/UBCx/Ubch10 Gene Family. <i>Plant Physiology</i> , 2002, 130, 1230-1240.	4.8	59
58	Phosphorylation of a mitotic kinesin-like protein and a MAPKKK by cyclin-dependent kinases (CDKs) is involved in the transition to cytokinesis in plants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17844-17849.	7.1	59
59	Structure and mechanism of activity of the cyclic phosphodiesterase of <i>Arabidopsis</i> , a product of the tRNA splicing reaction. <i>EMBO Journal</i> , 2000, 19, 6207-6217.	7.8	58
60	COP9 Signalosome- and 26S Proteasome-dependent Regulation of SCFTIR1 Accumulation in <i>Arabidopsis</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 7920-7930.	3.4	58
61	Structure and promoter activity of a stress and developmentally regulated polyubiquitin-encoding gene of <i>Nicotiana tabacum</i> . <i>Gene</i> , 1994, 148, 195-202.	2.2	56
62	<i>Arabidopsis</i> CUL3A and CUL3B genes are essential for normal embryogenesis. <i>Plant Journal</i> , 2005, 43, 437-448.	5.7	56
63	The MATH-BTB BPM3 and BPM5 subunits of Cullin3-RING E3 ubiquitin ligases target PP2CA and other clade A PP2Cs for degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15725-15734.	7.1	56
64	The Control of <i>Arabidopsis thaliana</i> Growth by Cell Proliferation and Endoreplication Requires the F-Box Protein FBL17. <i>Plant Cell</i> , 2015, 27, 1461-1476.	6.6	53
65	Sub-cellular localisation of GFP-tagged tobacco mitotic cyclins during the cell cycle and after spindle checkpoint activation. <i>Plant Journal</i> , 2001, 28, 569-581.	5.7	52
66	Isolation and characterization of a cDNA encoding a 3-hydroxy-3-methylglutaryl coenzyme A reductase from <i>Nicotiana glauca</i> . <i>Plant Molecular Biology</i> , 1992, 20, 337-341.	3.9	50
67	Molecular characterization of a beta-type proteasome subunit from <i>Arabidopsis thaliana</i> co-expressed at a high level with an alpha-type proteasome subunit early in the cell cycle. <i>Plant Journal</i> , 1994, 6, 537-546.	5.7	48
68	The conserved factor DE-ETIOLATED 1 cooperates with CUL4-DDB1-DDB2 to maintain genome integrity upon UV stress. <i>EMBO Journal</i> , 2011, 30, 1162-1172.	7.8	47
69	Plant CULLIN-based E3s: Phytohormones come first. <i>FEBS Letters</i> , 2005, 579, 3239-3245.	2.8	44
70	CULLIN 4-RING FINGER-LIGASE plays a key role in the control of endoreplication cycles in <i>Arabidopsis</i> trichomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15275-15280.	7.1	44
71	A Suppressor Screen for AGO1 Degradation by the Viral F-Box P0 Protein Uncovers a Role for AGO DUF1785 in sRNA Duplex Unwinding. <i>Plant Cell</i> , 2018, 30, 1353-1374.	6.6	44
72	Cloning and Characterization of the <i>Arabidopsis</i> Cyclic Phosphodiesterase Which Hydrolyzes ADP-ribose α -Cyclic Phosphate and Nucleoside β , γ -Cyclic Phosphates. <i>Journal of Biological Chemistry</i> , 1997, 272, 13211-13219.	3.4	42

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73	det1-1-induced UV-C hyposensitivity through UVR3 and PHR1 photolyase gene over-expression. <i>Plant Journal</i> , 2010, 63, 392-404.	5.7	41
74	Differential expression of several E2-type ubiquitin carrier protein genes at different developmental stages in <i>Arabidopsis thaliana</i> and <i>Nicotiana sylvestris</i> . <i>Molecular Genetics and Genomics</i> , 1994, 244, 548-556.	2.4	38
75	Cloning and sequence analysis of a cDNA clone from <i>Arabidopsis thaliana</i> homologous to a proteasome β subunit from <i>Drosophila</i> . <i>FEBS Letters</i> , 1992, 309, 311-315.	2.8	36
76	Mitosis in plants: how far we have come at the molecular level?. <i>Current Opinion in Plant Biology</i> , 2002, 5, 487-493.	7.1	36
77	SIAMESE-RELATED1 Is Regulated Posttranslationally and Participates in Repression of Leaf Growth under Moderate Drought. <i>Plant Physiology</i> , 2018, 176, 2834-2850.	4.8	36
78	Selective protein degradation: a rheostat to modulate cell-cycle phase transitions. <i>Journal of Experimental Botany</i> , 2014, 65, 2603-2615.	4.8	35
79	Preferential Up-Regulation of G2/M Phase-Specific Genes by Overexpression of the Hyperactive Form of NtmybA2 Lacking Its Negative Regulation Domain in Tobacco BY-2 Cells. <i>Plant Physiology</i> , 2009, 149, 1945-1957.	4.8	32
80	Autophagy: A Double-Edged Sword to Fight Plant Viruses. <i>Trends in Plant Science</i> , 2017, 22, 646-648.	8.8	29
81	The 20S proteasome gene family in <i>Arabidopsis thaliana</i> . <i>FEBS Letters</i> , 1997, 416, 281-285.	2.8	27
82	<i>Arabidopsis</i> WD REPEAT DOMAIN55 Interacts with DNA DAMAGED BINDING PROTEIN1 and Is Required for Apical Patterning in the Embryo. <i>Plant Cell</i> , 2012, 24, 1013-1033.	6.6	27
83	Cell Cycle-Dependent Regulation and Function of ARGONAUTE1 in Plants. <i>Plant Cell</i> , 2019, 31, 1734-1750.	6.6	24
84	The F-Box-Like Protein FBL17 Is a Regulator of DNA-Damage Response and Colocalizes with RETINOBLASTOMA RELATED1 at DNA Lesion Sites. <i>Plant Physiology</i> , 2020, 183, 1295-1305.	4.8	22
85	APC/C-Mediated Degradation of dsRNA-Binding Protein 4 (DRB4) Involved in RNA Silencing. <i>PLoS ONE</i> , 2012, 7, e35173.	2.5	19
86	DNA DAMAGE BINDING PROTEIN2 Shapes the DNA Methylation Landscape. <i>Plant Cell</i> , 2016, 28, 2043-2059.	6.6	16
87	Immunocapture of dsRNA-bound proteins provides insight into <i>Tobacco rattle virus</i> replication complexes and reveals <i>Arabidopsis</i> DRB2 to be a wide-spectrum antiviral effector. <i>Plant Cell</i> , 2021, 33, 3402-3420.	6.6	16
88	The <i>Arabidopsis</i> F-box protein FBW2 targets AGO1 for degradation to prevent spurious loading of illegitimate small RNA. <i>Cell Reports</i> , 2022, 39, 110671.	6.4	16
89	A gene trap Dissociation insertion line, associated with a RING-H2 finger gene, shows tissue specific and developmental regulated expression of the gene in <i>Arabidopsis</i> . <i>Gene</i> , 2002, 290, 63-71.	2.2	14
90	Connections between the Cell Cycle and the DNA Damage Response in Plants. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9558.	4.1	14

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91	The protein turnover of Arabidopsis BPM1 is involved in regulation of flowering time and abiotic stress response. <i>Plant Molecular Biology</i> , 2020, 102, 359-372.	3.9	13
92	Sequence of a ubiquitin carboxyl extension protein of <i>Nicotiana tabacum</i> . <i>Nucleic Acids Research</i> , 1990, 18, 4007-4007.	14.5	11
93	Identification of a new cis-regulatory element in a <i>Nicotiana tabacum</i> polyubiquitin gene promoter. <i>Molecular Genetics and Genomics</i> , 1997, 254, 258-266.	2.4	10
94	Atypical molecular features of RNA silencing against the phloem-restricted polerovirus TuYV. <i>Nucleic Acids Research</i> , 2021, 49, 11274-11293.	14.5	10
95	When RNA and protein degradation pathways meet. <i>Frontiers in Plant Science</i> , 2014, 5, 161.	3.6	9
96	Roles of GIG1 and UVI4 in genome duplication in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2012, 7, 1079-1081.	2.4	8
97	Why are quiescent mesophyll protoplasts from <i>Nicotiana sylvestris</i> able to re-enter into the cell cycle and re-initiate a mitotic activity?. <i>Biochimie</i> , 1993, 75, 539-545.	2.6	7
98	Plant proteostasis – shaping the proteome: a research community aiming to understand molecular mechanisms that control protein abundance. <i>New Phytologist</i> , 2020, 227, 1028-1033.	7.3	7
99	Cell cycle-dependent proteolysis and ectopic overexpression of cyclin B1 in tobacco BY2 cells. <i>Plant Journal</i> , 2000, 24, 763.	5.7	6
100	Synthesis and Characterization of the (5' ? 5')-Ester of Adenosine 5'-diphosphate with ?-D-ribofuranose cyclic 1',2'-phosphate: A NAD derivative produced during tRNA splicing. <i>Helvetica Chimica Acta</i> , 1996, 79, 1005-1010.	1.6	5
101	Inhibition of <i>Arabidopsis thaliana</i> CIN-like TCP transcription factors by <i>Agrobacterium</i> T-DNA encoded 6B proteins. <i>Plant Journal</i> , 2020, 101, 1303-1317.	5.7	5
102	The UPS: An Engine That Drives the Cell Cycle. , 0, , 87-113.		2
103	Reversible ubiquitylation in plant biology. <i>Frontiers in Plant Science</i> , 2014, 5, 707.	3.6	2
104	RPN10: A Case Study for Ubiquitin Binding Proteins and More. <i>Plant Cell</i> , 2019, 31, 1398-1399.	6.6	2
105	The Plant Cell Introduces Breakthrough Reports: A New Forum for Cutting-Edge Plant Research. <i>Plant Cell</i> , 2015, , tpc.15.00862.	6.6	1
106	Dark night, cold ground. <i>Nature Plants</i> , 2017, 3, 846-847.	9.3	1
107	Expression, Localisation and Stability of Mitotic Cyclins in Tobacco BY-2 Cells. <i>Biotechnology in Agriculture and Forestry</i> , 2004, , 52-65.	0.2	0