Jan A Smalle

List of Publications by Year
in descending order

52 papers	5,207 citations	201674 27 h-index	182427 51 g-index
53 all docs	53 docs citations	53 times ranked	6146 citing authors

#	Article	IF	Citations
1	THE UBIQUITIN 26S PROTEASOME PROTEOLYTIC PATHWAY. Annual Review of Plant Biology, 2004, 55, 555-590.	18.7	1,188
2	Arabidopsis EIN3-binding F-box 1 and 2 form ubiquitin-protein ligases that repress ethylene action and promote growth by directing EIN3 degradation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6803-6808.	7.1	410
3	Uptake and Distribution of Ultrasmall Anatase TiO₂Alizarin Red S Nanoconjugates inArabidopsis thaliana. Nano Letters, 2010, 10, 2296-2302.	9.1	395
4	The Small Ubiquitin-like Modifier (SUMO) Protein Modification System in Arabidopsis. Journal of Biological Chemistry, 2003, 278, 6862-6872.	3.4	386
5	The Pleiotropic Role of the 26S Proteasome Subunit RPN10 in Arabidopsis Growth and Development Supports a Substrate-Specific Function in Abscisic Acid Signaling. Plant Cell, 2003, 15, 965-980.	6.6	242
6	Cytokinin Growth Responses in Arabidopsis Involve the 26S Proteasome Subunit RPN12. Plant Cell, 2002, 14, 17-32.	6.6	180
7	Oxidative stress tolerance and longevity in Arabidopsis: the late-flowering mutant gigantea is tolerant to paraquat. Plant Journal, 1998, 14, 759-764.	5.7	178
8	Ethylene and Auxin Control the Arabidopsis Response to Decreased Light Intensity. Plant Physiology, 2003, 133, 517-527.	4.8	166
9	26S proteasome regulatory particle mutants have increased oxidative stress tolerance. Plant Journal, 2008, 53, 102-114.	5.7	155
10	Purification of the Arabidopsis 26 S Proteasome. Journal of Biological Chemistry, 2004, 279, 6401-6413.	3.4	153
11	Structure, function and regulation of plant proteasomes. Biochimie, 2008, 90, 324-335.	2.6	152
12	Ethylene and vegetative development. Physiologia Plantarum, 1997, 100, 593-605.	5.2	123
13	Proteasome regulation, plant growth and stress tolerance. Plant Signaling and Behavior, 2009, 4, 924-927.	2.4	119
14	Loss of 26S Proteasome Function Leads to Increased Cell Size and Decreased Cell Number in Arabidopsis Shoot Organs Â Â Â. Plant Physiology, 2009, 150, 178-189.	4.8	117
15	Salt Stressâ€“Induced Disassembly ofArabidopsisCortical Microtubule Arrays Involves 26S Proteasomeâ€“Dependent Degradation of SPIRAL1 Â. Plant Cell, 2011, 23, 3412-3427.	6.6	115
16	SLO2, a mitochondrial pentatricopeptide repeat protein affecting several RNA editing sites, is required for energy metabolism. Plant Journal, 2012, 71, 836-849.	5.7	113
17	Ultraâ€small TiO₂ nanoparticles disrupt microtubular networks in Arabidopsis thaliana. Plant, Cell and Environment, 2011, 34, 811-820.	5.7	110
18	The Arabidopsis Mutant alh1 Illustrates a Cross Talk between Ethylene and Auxin. Plant Physiology, 2003, 131, 1228-1238.	4.8	95

#	Article	IF	Citations
19	Ubiquitin C-terminal hydrolases 1 and 2 affect shoot architecture in Arabidopsis. Plant Journal, 2007, 51, 441-457.	5.7	79
20	The RPN5 Subunit of the 26s Proteasome Is Essential for Gametogenesis, Sporophyte Development, and Complex Assembly inArabidopsisÂ. Plant Cell, 2009, 21, 460-478.	6.6	76
21	Polyamines and Paraquat Toxicity in Arabidopsis thaliana. Plant and Cell Physiology, 1998, 39, 987-992.	3.1	67
22	The Arabidopsis 26S Proteasome Subunit RPN1a is Required for Optimal Plant Growth and Stress Responses. Plant and Cell Physiology, 2009, 50, 1721-1725.	3.1	58
23	Direct isolation of flavonoids from plants using ultraâ€small anatase <scp>TiO</scp>₂ nanoparticles. Plant Journal, 2014, 77, 443-453.	5.7	53
24	Antagonistic activity of auxin and cytokinin in shoot and root organs. Plant Direct, 2019, 3, e00121.	1.9	52
25	Modulation of auxin and cytokinin responses by early steps of the phenylpropanoid pathway. BMC Plant Biology, 2018, 18, 278.	3.6	36
26	Auxin/Cytokinin Antagonistic Control of the Shoot/Root Growth Ratio and Its Relevance for Adaptation to Drought and Nutrient Deficiency Stresses. International Journal of Molecular Sciences, 2022, 23, 1933.	4.1	34
27	Quercetin feeding protects plants against oxidative stress. F1000Research, 0, 5, 2430.	1.6	30
28	AXR1 promotes the Arabidopsis cytokinin response by facilitating ARR5 proteolysis. Plant Journal, 2013, 74, 13-24.	5.7	29
29	EGY3 mediates chloroplastic ROS homeostasis and promotes retrograde signaling in response to salt stress in Arabidopsis. Cell Reports, 2021, 36, 109384.	6.4	29
30	Cytokinin signaling stabilizes the response activator <scp>ARR</scp>1. Plant Journal, 2014, 78, 157-168.	5.7	27
31	To misfold or to lose structure? Detection and degradation of oxidized proteins by the 20S proteasome. Plant Signaling and Behavior, 2008, 3, 386-388.	2.4	23
32	Negatively Charged Metal Oxide Nanoparticles Interact with the 20S Proteasome and Differentially Modulate Its Biologic Functional Effects. ACS Nano, 2013, 7, 7759-7772.	14.6	21
33	Anatase TiO₂ Nanoparticles Induce Autophagy and Chloroplast Degradation in Thale Cress (Arabidopsis thaliana). Environmental Science & Technology, 2019, 53, 9522-9532.	10.0	21
34	Metabolomic analyses of the bio-corona formed on TiO2 nanoparticles incubated with plant leaf tissues. Journal of Nanobiotechnology, 2020, 18, 28.	9.1	20
35	Effects of sucrose supply on growth and paraquat tolerance of the late-flowering gi-3 mutant. Plant Growth Regulation, 1998, 26, 91-96.	3.4	19
36	Cytokininâ€induced protein synthesis suppresses growth and osmotic stress tolerance. New Phytologist, 2020, 227, 50-64.	7.3	18

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37	Arabidopsis sensitivity to protein synthesis inhibitors depends on 26S proteasome activity. Plant Cell Reports, 2010, 29, 249-259.	5.6	15
38	The Arabidopsis mutant eer2 has enhanced ethylene responses in the light. Journal of Experimental Botany, 2005, 56, 2409-2420.	4.8	13
39	Ectopic expression of the phosphomimic mutant version of Arabidopsis response regulator 1 promotes a constitutive cytokinin response phenotype. BMC Plant Biology, 2014, 14, 28.	3.6	13
40	Assaying Transcription Factor Stability. Methods in Molecular Biology, 2011, 754, 219-234.	0.9	9
41	Cytokinin-induced growth in the duckweeds Lemna gibba and Spirodela polyrhiza. Plant Growth Regulation, 2018, 86, 477-486.	3.4	9
42	Oxidative stress-induced formation of covalently linked ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit dimer in tobacco plants. BMC Research Notes, 2019, 12, 112.	1.4	9
43	Proteasome-dependent proteolysis has a critical role in fine-tuning the feedback inhibition of cytokinin signaling. Plant Signaling and Behavior, 2013, 8, e23474.	2.4	8
44	Ethylene and vegetative development. Physiologia Plantarum, 1997, 100, 593-605.	5.2	7
45	Cytokinin signaling promotes differential stability of type-B ARRs. Plant Signaling and Behavior, 2016, 11, e1169354.	2.4	7
46	Gain-of-function of the cytokinin response activator ARR1 increases heat shock tolerance in Arabidopsis thaliana. Plant Signaling and Behavior, 2022, 17, 2073108.	2.4	6
47	The role of 26S proteasome-dependent proteolysis in the formation and restructuring of microtubule networks. Plant Signaling and Behavior, 2012, 7, 1289-1295.	2.4	5
48	trans-Cinnamic acid-induced leaf expansion involves an auxin-independent component. Communicative and Integrative Biology, 2019, 12, 82-85.	1.4	5
49	Composition of the metabolomic bio-coronas isolated from Ocimum sanctum and Rubia tinctorum. BMC Research Notes, 2021, 14, 6.	1.4	5
50	Inhibition of Fusarium oxysporum f. sp. nicotianae Growth by Phenylpropanoid Pathway Intermediates. Plant Pathology Journal, 2020, 36, 637-642.	1.7	4
51	Differential oxidative stress responses and tobacco-specific nitrosamine accumulation in two burley varieties. Journal of Plant Physiology, 2021, 261, 153429.	3.5	2
52	Reversion of the Arabidopsis rpn12a-1 exon-trap mutation by an intragenic suppressor that weakens the chimeric 5â€™ splice site. F1000Research, 2013, 2, 60.	1.6	1