Jan A Smalle

List of Publications by Year
in descending order

52 papers	5,207 citations	201385 27 h-index	182168 51 g-index
53 all docs	53 docs citations	53 times ranked	6146 citing authors

#	Article	IF	Citations
1	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.	1.8	34
2	Gain-of-function of the cytokinin response activator ARR1 increases heat shock tolerance in <i>Arabidopsis thaliana</i>. Plant Signaling and Behavior, 2022, 17, 2073108.	1.2	6
3	Differential oxidative stress responses and tobacco-specific nitrosamine accumulation in two burley varieties. Journal of Plant Physiology, 2021, 261, 153429.	1.6	2
4	EGY3 mediates chloroplastic ROS homeostasis and promotes retrograde signaling in response to salt stress in Arabidopsis. Cell Reports, 2021, 36, 109384.	2.9	29
5	Composition of the metabolomic bio-coronas isolated from Ocimum sanctum and Rubia tinctorum. BMC Research Notes, 2021, 14, 6.	0.6	5
6	Cytokininâ€induced protein synthesis suppresses growth and osmotic stress tolerance. New Phytologist, 2020, 227, 50-64.	3.5	18
7	Metabolomic analyses of the bio-corona formed on TiO2 nanoparticles incubated with plant leaf tissues. Journal of Nanobiotechnology, 2020, 18, 28.	4.2	20
8	Inhibition of Fusarium oxysporum f. sp. nicotianae Growth by Phenylpropanoid Pathway Intermediates. Plant Pathology Journal, 2020, 36, 637-642.	0.7	4
9	trans-Cinnamic acid-induced leaf expansion involves an auxin-independent component. Communicative and Integrative Biology, 2019, 12, 82-85.	0.6	5
10	Anatase TiO₂ Nanoparticles Induce Autophagy and Chloroplast Degradation in Thale Cress (<i>Arabidopsis thaliana</i>). Environmental Science & Technology, 2019, 53, 9522-9532.	4.6	21
11	Antagonistic activity of auxin and cytokinin in shoot and root organs. Plant Direct, 2019, 3, e00121.	0.8	52
12	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.	0.6	9
13	Modulation of auxin and cytokinin responses by early steps of the phenylpropanoid pathway. BMC Plant Biology, 2018, 18, 278.	1.6	36
14	Cytokinin-induced growth in the duckweeds Lemna gibba and Spirodela polyrhiza. Plant Growth Regulation, 2018, 86, 477-486.	1.8	9
15	Cytokinin signaling promotes differential stability of type-B ARRs. Plant Signaling and Behavior, 2016, 11, e1169354.	1.2	7
16	Ectopic expression of the phosphomimic mutant version of Arabidopsis response regulator 1 promotes a constitutive cytokinin response phenotype. BMC Plant Biology, 2014, 14, 28.	1.6	13
17	Direct isolation of flavonoids from plants using ultraâ€small anatase <scp>TiO</scp>₂ nanoparticles. Plant Journal, 2014, 77, 443-453.	2.8	53
18	Cytokinin signaling stabilizes the response activator <scp>ARR</scp>1. Plant Journal, 2014, 78, 157-168.	2.8	27

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19	Negatively Charged Metal Oxide Nanoparticles Interact with the 20S Proteasome and Differentially Modulate Its Biologic Functional Effects. ACS Nano, 2013, 7, 7759-7772.	7.3	21
20	Proteasome-dependent proteolysis has a critical role in fine-tuning the feedback inhibition of cytokinin signaling. Plant Signaling and Behavior, 2013, 8, e23474.	1.2	8
21	AXR1 promotes the Arabidopsis cytokinin response by facilitating ARR5 proteolysis. Plant Journal, 2013, 74, 13-24.	2.8	29
22	Reversion of the Arabidopsis rpn12a-1 exon-trap mutation by an intragenic suppressor that weakens the chimeric 5â€™ splice site. F1000Research, 2013, 2, 60.	0.8	1
23	The role of 26S proteasome-dependent proteolysis in the formation and restructuring of microtubule networks. Plant Signaling and Behavior, 2012, 7, 1289-1295.	1.2	5
24	SLO2, a mitochondrial pentatricopeptide repeat protein affecting several RNA editing sites, is required for energy metabolism. Plant Journal, 2012, 71, 836-849.	2.8	113
25	Assaying Transcription Factor Stability. Methods in Molecular Biology, 2011, 754, 219-234.	0.4	9
26	Ultraâ€small TiO₂ nanoparticles disrupt microtubular networks in <i>Arabidopsis thaliana</i>. Plant, Cell and Environment, 2011, 34, 811-820.	2.8	110
27	Salt Stressâ€"Induced Disassembly of<i>Arabidopsis</i>Cortical Microtubule Arrays Involves 26S Proteasomeâ€"Dependent Degradation of SPIRAL1 Â. Plant Cell, 2011, 23, 3412-3427.	3.1	115
28	Arabidopsis sensitivity to protein synthesis inhibitors depends on 26S proteasome activity. Plant Cell Reports, 2010, 29, 249-259.	2.8	15
29	Uptake and Distribution of Ultrasmall Anatase TiO₂Alizarin Red S Nanoconjugates in<i>Arabidopsis thaliana</i>. Nano Letters, 2010, 10, 2296-2302.	4.5	395
30	The Arabidopsis 26S Proteasome Subunit RPN1a is Required for Optimal Plant Growth and Stress Responses. Plant and Cell Physiology, 2009, 50, 1721-1725.	1.5	58
31	Proteasome regulation, plant growth and stress tolerance. Plant Signaling and Behavior, 2009, 4, 924-927.	1.2	119
32	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.	2.3	117
33	The RPN5 Subunit of the 26s Proteasome Is Essential for Gametogenesis, Sporophyte Development, and Complex Assembly in<i>Arabidopsis</i>Â. Plant Cell, 2009, 21, 460-478.	3.1	76
34	26S proteasome regulatory particle mutants have increased oxidative stress tolerance. Plant Journal, 2008, 53, 102-114.	2.8	155
35	Structure, function and regulation of plant proteasomes. Biochimie, 2008, 90, 324-335.	1.3	152
36	To misfold or to lose structure? Detection and degradation of oxidized proteins by the 20S proteasome. Plant Signaling and Behavior, 2008, 3, 386-388.	1.2	23

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37	Ubiquitin C-terminal hydrolases 1 and 2 affect shoot architecture in Arabidopsis. Plant Journal, 2007, 51, 441-457.	2.8	79
38	The Arabidopsis mutant eer2 has enhanced ethylene responses in the light. Journal of Experimental Botany, 2005, 56, 2409-2420.	2.4	13
39	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.	3.3	410
40	Purification of the Arabidopsis 26 S Proteasome. Journal of Biological Chemistry, 2004, 279, 6401-6413.	1.6	153
41	THE UBIQUITIN 26S PROTEASOME PROTEOLYTIC PATHWAY. Annual Review of Plant Biology, 2004, 55, 555-590.	8.6	1,188
42	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.	3.1	242
43	The Arabidopsis Mutant alh1 Illustrates a Cross Talk between Ethylene and Auxin. Plant Physiology, 2003, 131, 1228-1238.	2.3	95
44	The Small Ubiquitin-like Modifier (SUMO) Protein Modification System in Arabidopsis. Journal of Biological Chemistry, 2003, 278, 6862-6872.	1.6	386
45	Ethylene and Auxin Control the Arabidopsis Response to Decreased Light Intensity. Plant Physiology, 2003, 133, 517-527.	2.3	166
46	Cytokinin Growth Responses in Arabidopsis Involve the 26S Proteasome Subunit RPN12. Plant Cell, 2002, 14, 17-32.	3.1	180
47	Effects of sucrose supply on growth and paraquat tolerance of the late-flowering gi-3 mutant. Plant Growth Regulation, 1998, 26, 91-96.	1.8	19
48	Oxidative stress tolerance and longevity in Arabidopsis: the late-flowering mutant gigantea is tolerant to paraquat. Plant Journal, 1998, 14, 759-764.	2.8	178
49	Polyamines and Paraquat Toxicity in Arabidopsis thaliana. Plant and Cell Physiology, 1998, 39, 987-992.	1.5	67
50	Ethylene and vegetative development. Physiologia Plantarum, 1997, 100, 593-605.	2.6	7
51	Ethylene and vegetative development. Physiologia Plantarum, 1997, 100, 593-605.	2.6	123
52	Quercetin feeding protects plants against oxidative stress. F1000Research, 0, 5, 2430.	0.8	30