

Jan A Smalle

List of Publications by Year in descending order

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201674

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times ranked

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#	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. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1933.	4.1	34
2	Gain-of-function of the cytokinin response activator ARR1 increases heat shock tolerance in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2022, 17, 2073108.	2.4	6
3	Differential oxidative stress responses and tobacco-specific nitrosamine accumulation in two burley varieties. <i>Journal of Plant Physiology</i> , 2021, 261, 153429.	3.5	2
4	EGY3 mediates chloroplastic ROS homeostasis and promotes retrograde signaling in response to salt stress in <i>Arabidopsis</i> . <i>Cell Reports</i> , 2021, 36, 109384.	6.4	29
5	Composition of the metabolomic bio-coronas isolated from <i>Ocimum sanctum</i> and <i>Rubia tinctorum</i> . <i>BMC Research Notes</i> , 2021, 14, 6.	1.4	5
6	Cytokinin-induced protein synthesis suppresses growth and osmotic stress tolerance. <i>New Phytologist</i> , 2020, 227, 50-64.	7.3	18
7	Metabolomic analyses of the bio-corona formed on TiO ₂ nanoparticles incubated with plant leaf tissues. <i>Journal of Nanobiotechnology</i> , 2020, 18, 28.	9.1	20
8	Inhibition of <i>Fusarium oxysporum</i> f. sp. <i>nicotianae</i> Growth by Phenylpropanoid Pathway Intermediates. <i>Plant Pathology Journal</i> , 2020, 36, 637-642.	1.7	4
9	trans-Cinnamic acid-induced leaf expansion involves an auxin-independent component. <i>Communicative and Integrative Biology</i> , 2019, 12, 82-85.	1.4	5
10	Anatase TiO ₂ Nanoparticles Induce Autophagy and Chloroplast Degradation in Thale Cress (<i>Arabidopsis thaliana</i>). <i>Environmental Science & Technology</i> , 2019, 53, 9522-9532.	10.0	21
11	Antagonistic activity of auxin and cytokinin in shoot and root organs. <i>Plant Direct</i> , 2019, 3, e00121.	1.9	52
12	Oxidative stress-induced formation of covalently linked ribulose-1,5-bisphosphate carboxylase/oxygenase large subunit dimer in tobacco plants. <i>BMC Research Notes</i> , 2019, 12, 112.	1.4	9
13	Modulation of auxin and cytokinin responses by early steps of the phenylpropanoid pathway. <i>BMC Plant Biology</i> , 2018, 18, 278.	3.6	36
14	Cytokinin-induced growth in the duckweeds <i>Lemna gibba</i> and <i>Spirodela polyrhiza</i> . <i>Plant Growth Regulation</i> , 2018, 86, 477-486.	3.4	9
15	Cytokinin signaling promotes differential stability of type-B ARRs. <i>Plant Signaling and Behavior</i> , 2016, 11, e1169354.	2.4	7
16	Ectopic expression of the phosphomimic mutant version of <i>Arabidopsis</i> response regulator 1 promotes a constitutive cytokinin response phenotype. <i>BMC Plant Biology</i> , 2014, 14, 28.	3.6	13
17	Direct isolation of flavonoids from plants using ultra-small anatase TiO ₂ nanoparticles. <i>Plant Journal</i> , 2014, 77, 443-453.	5.7	53
18	Cytokinin signaling stabilizes the response activator ARR1. <i>Plant Journal</i> , 2014, 78, 157-168.	5.7	27

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19	Negatively Charged Metal Oxide Nanoparticles Interact with the 20S Proteasome and Differentially Modulate Its Biologic Functional Effects. <i>ACS Nano</i> , 2013, 7, 7759-7772.	14.6	21
20	Proteasome-dependent proteolysis has a critical role in fine-tuning the feedback inhibition of cytokinin signaling. <i>Plant Signaling and Behavior</i> , 2013, 8, e23474.	2.4	8
21	AXR1 promotes the Arabidopsis cytokinin response by facilitating ARR5 proteolysis. <i>Plant Journal</i> , 2013, 74, 13-24.	5.7	29
22	Reversion of the Arabidopsis rpn12a-1 exon-trap mutation by an intragenic suppressor that weakens the chimeric 5â€™ splice site. <i>F1000Research</i> , 2013, 2, 60.	1.6	1
23	The role of 26S proteasome-dependent proteolysis in the formation and restructuring of microtubule networks. <i>Plant Signaling and Behavior</i> , 2012, 7, 1289-1295.	2.4	5
24	SLO2, a mitochondrial pentatricopeptide repeat protein affecting several RNA editing sites, is required for energy metabolism. <i>Plant Journal</i> , 2012, 71, 836-849.	5.7	113
25	Assaying Transcription Factor Stability. <i>Methods in Molecular Biology</i> , 2011, 754, 219-234.	0.9	9
26	Ultra-small TiO ₂ nanoparticles disrupt microtubular networks in <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2011, 34, 811-820.	5.7	110
27	Salt Stressâ€‘Induced Disassembly of <i>Arabidopsis</i> Cortical Microtubule Arrays Involves 26S Proteasomeâ€‘Dependent Degradation of SPIRAL1. <i>Plant Cell</i> , 2011, 23, 3412-3427.	6.6	115
28	Arabidopsis sensitivity to protein synthesis inhibitors depends on 26S proteasome activity. <i>Plant Cell Reports</i> , 2010, 29, 249-259.	5.6	15
29	Uptake and Distribution of Ultrasmall Anatase TiO ₂ Alizarin Red S Nanoconjugates in <i>Arabidopsis thaliana</i> . <i>Nano Letters</i> , 2010, 10, 2296-2302.	9.1	395
30	The Arabidopsis 26S Proteasome Subunit RPN1a is Required for Optimal Plant Growth and Stress Responses. <i>Plant and Cell Physiology</i> , 2009, 50, 1721-1725.	3.1	58
31	Proteasome regulation, plant growth and stress tolerance. <i>Plant Signaling and Behavior</i> , 2009, 4, 924-927.	2.4	119
32	Loss of 26S Proteasome Function Leads to Increased Cell Size and Decreased Cell Number in Arabidopsis Shoot Organs. <i>Plant Physiology</i> , 2009, 150, 178-189.	4.8	117
33	The RPN5 Subunit of the 26s Proteasome Is Essential for Gametogenesis, Sporophyte Development, and Complex Assembly in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2009, 21, 460-478.	6.6	76
34	26S proteasome regulatory particle mutants have increased oxidative stress tolerance. <i>Plant Journal</i> , 2008, 53, 102-114.	5.7	155
35	Structure, function and regulation of plant proteasomes. <i>Biochimie</i> , 2008, 90, 324-335.	2.6	152
36	To misfold or to lose structure? Detection and degradation of oxidized proteins by the 20S proteasome. <i>Plant Signaling and Behavior</i> , 2008, 3, 386-388.	2.4	23

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37	Ubiquitin C-terminal hydrolases 1 and 2 affect shoot architecture in Arabidopsis. <i>Plant Journal</i> , 2007, 51, 441-457.	5.7	79
38	The Arabidopsis mutant <i>eer2</i> has enhanced ethylene responses in the light. <i>Journal of Experimental Botany</i> , 2005, 56, 2409-2420.	4.8	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6803-6808.	7.1	410
40	Purification of the Arabidopsis 26 S Proteasome. <i>Journal of Biological Chemistry</i> , 2004, 279, 6401-6413.	3.4	153
41	THE UBIQUITIN 26S PROTEASOME PROTEOLYTIC PATHWAY. <i>Annual Review of Plant Biology</i> , 2004, 55, 555-590.	18.7	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. <i>Plant Cell</i> , 2003, 15, 965-980.	6.6	242
43	The Arabidopsis Mutant <i>alh1</i> Illustrates a Cross Talk between Ethylene and Auxin. <i>Plant Physiology</i> , 2003, 131, 1228-1238.	4.8	95
44	The Small Ubiquitin-like Modifier (SUMO) Protein Modification System in Arabidopsis. <i>Journal of Biological Chemistry</i> , 2003, 278, 6862-6872.	3.4	386
45	Ethylene and Auxin Control the Arabidopsis Response to Decreased Light Intensity. <i>Plant Physiology</i> , 2003, 133, 517-527.	4.8	166
46	Cytokinin Growth Responses in Arabidopsis Involve the 26S Proteasome Subunit RPN12. <i>Plant Cell</i> , 2002, 14, 17-32.	6.6	180
47	Effects of sucrose supply on growth and paraquat tolerance of the late-flowering <i>gi-3</i> mutant. <i>Plant Growth Regulation</i> , 1998, 26, 91-96.	3.4	19
48	Oxidative stress tolerance and longevity in Arabidopsis: the late-flowering mutant <i>gigantea</i> is tolerant to paraquat. <i>Plant Journal</i> , 1998, 14, 759-764.	5.7	178
49	Polyamines and Paraquat Toxicity in Arabidopsis thaliana. <i>Plant and Cell Physiology</i> , 1998, 39, 987-992.	3.1	67
50	Ethylene and vegetative development. <i>Physiologia Plantarum</i> , 1997, 100, 593-605.	5.2	7
51	Ethylene and vegetative development. <i>Physiologia Plantarum</i> , 1997, 100, 593-605.	5.2	123
52	Quercetin feeding protects plants against oxidative stress. <i>F1000Research</i> , 0, 5, 2430.	1.6	30