

Veronique Storme

List of Publications by Year in descending order

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46
papers

4,414
citations

159585

30
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

6043
citing authors

#	ARTICLE	IF	CITATIONS
1	A Molecular Timetable for Apical Bud Formation and Dormancy Induction in Poplar. <i>Plant Cell</i> , 2007, 19, 2370-2390.	6.6	436
2	Downregulation of Cinnamoyl-Coenzyme A Reductase in Poplar: Multiple-Level Phenotyping Reveals Effects on Cell Wall Polymer Metabolism and Structure. <i>Plant Cell</i> , 2007, 19, 3669-3691.	6.6	352
3	A Systems Biology View of Responses to Lignin Biosynthesis Perturbations in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3506-3529.	6.6	321
4	Lignin biosynthesis perturbations affect secondary cell wall composition and saccharification yield in <i>Arabidopsis thaliana</i> . <i>Biotechnology for Biofuels</i> , 2013, 6, 46.	6.2	251
5	Dense Genetic Linkage Maps of Three <i>Populus</i> Species (<i>Populus deltoides</i> , <i>P. nigra</i> and <i>P. euphratica</i>). <i>Genetics</i> , 2011, 187, 106-121.	2.9	235
6	Capturing the phosphorylation and protein interaction landscape of the plant TOR kinase. <i>Nature Plants</i> , 2019, 5, 316-327.	9.3	205
7	Improved saccharification and ethanol yield from field-grown transgenic poplar deficient in cinnamoyl-CoA reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 845-850.	7.1	186
8	GOLVEN Secretory Peptides Regulate Auxin Carrier Turnover during Plant Gravitropic Responses. <i>Developmental Cell</i> , 2012, 22, 678-685.	7.0	182
9	Leaf Responses to Mild Drought Stress in Natural Variants of <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 167, 800-816.	4.8	176
10	High-Level Secretion and Very Efficient Isotopic Labeling of Tick Anticoagulant Peptide (TAP) Expressed in the Methylophilic Yeast, <i>Pichia pastoris</i> . <i>Bio/technology</i> , 1994, 12, 1119-1124.	1.5	161
11	Genetical metabolomics of flavonoid biosynthesis in <i>Populus</i> : a case study. <i>Plant Journal</i> , 2006, 47, 224-237.	5.7	140
12	The ROS Wheel: Refining ROS Transcriptional Footprints. <i>Plant Physiology</i> , 2016, 171, 1720-1733.	4.8	137
13	Bud set in poplar – genetic dissection of a complex trait in natural and hybrid populations. <i>New Phytologist</i> , 2011, 189, 106-121.	7.3	125
14	Identification of AFLP molecular markers for resistance against <i>Melampsora larici-populina</i> in <i>Populus</i> . <i>Theoretical and Applied Genetics</i> , 1996, 93-93, 733-737.	3.6	118
15	Structure of the genetic diversity in black poplar (<i>Populus nigra</i> L.) populations across European river systems: Consequences for conservation and restoration. <i>Forest Ecology and Management</i> , 2008, 255, 1388-1399.	3.2	116
16	Engineering traditional monolignols out of lignin by concomitant up-regulation of F5H1 and down-regulation of COMT in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2010, 64, 885-897.	5.7	114
17	A Spatiotemporal DNA Endoploidy Map of the <i>Arabidopsis</i> Root Reveals Roles for the Endocycle in Root Development and Stress Adaptation. <i>Plant Cell</i> , 2018, 30, 2330-2351.	6.6	107
18	Intraspecific and interspecific genetic and phylogenetic relationships in the genus <i>Populus</i> based on AFLP markers. <i>Theoretical and Applied Genetics</i> , 2005, 111, 1440-1456.	3.6	103

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19	Altered expression of maize PLASTOCHRON1 enhances biomass and seed yield by extending cell division duration. <i>Nature Communications</i> , 2017, 8, 14752.	12.8	89
20	From network to phenotype: the dynamic wiring of an Arabidopsis transcriptional network induced by osmotic stress. <i>Molecular Systems Biology</i> , 2017, 13, 961.	7.2	86
21	The reduction in maize leaf growth under mild drought affects the transition between cell division and cell expansion and cannot be restored by elevated gibberellic acid levels. <i>Plant Biotechnology Journal</i> , 2018, 16, 615-627.	8.3	73
22	Chloroplasts Are Central Players in Sugar-Induced Leaf Growth. <i>Plant Physiology</i> , 2016, 171, 590-605.	4.8	67
23	Ex-situ conservation of Black poplar in Europe: genetic diversity in nine gene bank collections and their value for nature development. <i>Theoretical and Applied Genetics</i> , 2004, 108, 969-981.	3.6	65
24	Forever Young: The Role of Ubiquitin Receptor DA1 and E3 Ligase BIG BROTHER in Controlling Leaf Growth and Development. <i>Plant Physiology</i> , 2017, 173, 1269-1282.	4.8	55
25	The Transcription Factor MYB29 Is a Regulator of <i>ALTERNATIVE OXIDASE1a</i> . <i>Plant Physiology</i> , 2017, 173, 1824-1843.	4.8	46
26	Integrative inference of transcriptional networks in Arabidopsis yields novel ROS signalling regulators. <i>Nature Plants</i> , 2021, 7, 500-513.	9.3	43
27	High-resolution time-resolved imaging of <i>in vitro</i> Arabidopsis rosette growth. <i>Plant Journal</i> , 2014, 80, 172-184.	5.7	41
28	Combining growth-promoting genes leads to positive epistasis in Arabidopsis thaliana. <i>ELife</i> , 2014, 3, e02252.	6.0	38
29	Postglacial migration of <i>Populus nigra</i> L.: lessons learnt from chloroplast DNA. <i>Forest Ecology and Management</i> , 2005, 206, 71-90.	3.2	36
30	Genomic regions involved in productivity of two interspecific poplar families in Europe. 1. Stem height, circumference and volume. <i>Tree Genetics and Genomes</i> , 2009, 5, 147-164.	1.6	35
31	Fine Mapping and Identification of Nucleotide Binding Site/Leucine-Rich Repeat Sequences at the MER Locus in <i>Populus deltoides</i> S9-2™. <i>Phytopathology</i> , 2001, 91, 1069-1073.	2.2	32
32	Transcriptional coordination between leaf cell differentiation and chloroplast development established by TCP20 and the subgroup Ib bHLH transcription factors. <i>Plant Molecular Biology</i> , 2014, 85, 233-245.	3.9	31
33	A user-friendly platform for yeast two-hybrid library screening using next generation sequencing. <i>PLoS ONE</i> , 2018, 13, e0201270.	2.5	30
34	Seedling developmental defects upon blocking CINNAMATE 4-HYDROXYLASE are caused by perturbations in auxin transport. <i>New Phytologist</i> , 2021, 230, 2275-2291.	7.3	27
35	Paternity analysis of <i>Populus nigra</i> L. offspring in a Belgian plantation of native and exotic poplars. <i>Annals of Forest Science</i> , 2006, 63, 783-790.	2.0	25
36	Comparative transcriptomics enables the identification of functional orthologous genes involved in early leaf growth. <i>Plant Biotechnology Journal</i> , 2020, 18, 553-567.	8.3	24

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37	The "TranSeq"™ 3â€²â€²end sequencing method for high-throughput transcriptomics and gene space refinement in plant genomes. <i>Plant Journal</i> , 2018, 96, 223-232.	5.7	23
38	Plant cell wall profiling by fast maximum likelihood reconstruction (FMLR) and region-of-interest (ROI) segmentation of solution-state 2D 1Hâ€¹13C NMR spectra. <i>Biotechnology for Biofuels</i> , 2013, 6, 45.	6.2	18
39	Natural Variation of Molecular and Morphological Gibberellin Responses. <i>Plant Physiology</i> , 2017, 173, 703-714.	4.8	16
40	Nonselective Chemical Inhibition of Sec7 Domain-Containing ARF GTPase Exchange Factors. <i>Plant Cell</i> , 2018, 30, 2573-2593.	6.6	16
41	Genomic regions involved in productivity of two interspecific poplar families in Europe. 2. Biomass production and its relationships with tree architecture and phenology. <i>Tree Genetics and Genomes</i> , 2010, 6, 533-554.	1.6	12
42	Nanobody-Dependent Delocalization of Endocytic Machinery in Arabidopsis Root Cells Dampens Their Internalization Capacity. <i>Frontiers in Plant Science</i> , 2021, 12, 538580.	3.6	6
43	Emergent adaptive behaviour of GRN-controlled simulated robots in a changing environment. <i>PeerJ</i> , 2016, 4, e2812.	2.0	4
44	Genetic Variability of Arabidopsis thaliana Mature Root System Architecture and Genome-Wide Association Study. <i>Frontiers in Plant Science</i> , 2021, 12, 814110.	3.6	3
45	Science, society and biosafety of a field trial with transgenic biofuel poplars. <i>BMC Proceedings</i> , 2011, 5, 123.	1.6	2
46	Functional analysis of Arabidopsis and maize transgenic lines overexpressing the ADP-ribose/NADH pyrophosphohydrolase, AtNUDX7. <i>International Journal of Developmental Biology</i> , 2019, 63, 45-55.	0.6	1