Hiroyuki Nonogaki

List of Publications by Year
in descending order

61 papers	4,314 citations	147801 31 h-index	206112 48 g-index
64 all docs	64 docs citations	64 times ranked	4731 citing authors

#	Article	IF	Citations
1	Seed traits and phylogenomics: prospects for the 21st century. Seed Science Research, 2022, 32, 137-143.	1.7	3
2	Ancient and recent gene duplications as evolutionary drivers of the seed maturation regulators <i>DELAY OF GERMINATION1</i> family genes. New Phytologist, 2021, 230, 889-901.	7.3	5
3	Ancient Memories of Seeds: ABA-Dependent Growth Arrest and Reserve Accumulation. Trends in Genetics, 2020, 36, 464-473.	6.7	10
4	A repressor complex silencing ABA signaling in seeds?. Journal of Experimental Botany, 2020, 71, 2847-2853.	4.8	14
5	<scp>DELAY OF GERMINATION</scp>Â1â€‹<scp>LIKEÂ</scp>4 acts as an inducer of seed reserve accumulation. Plant Journal, 2019, 100, 7-19.	5.7	31
6	The Long-Standing Paradox of Seed Dormancy Unfolded?. Trends in Plant Science, 2019, 24, 989-998.	8.8	22
7	ABA responses during seed development and germination. Advances in Botanical Research, 2019, 92, 171-217.	1.1	17
8	Seed germination and dormancy: The classic story, new puzzles, and evolution. Journal of Integrative Plant Biology, 2019, 61, 541-563.	8.5	109
9	Jasmonic acid and ethylene are involved in the accumulation of osmotin in germinating tomato seeds. Journal of Plant Physiology, 2019, 232, 74-81.	3.5	13
10	Editorial: Seed Dormancy, Germination, and Pre-harvest Sprouting. Frontiers in Plant Science, 2018, 9, 1783.	3.6	35
11	Transcriptomics of<i>nine-cis-epoxycarotenoid dioxygenase 6</i>induction in imbibed seeds reveals feedback mechanisms and long non-coding RNAs. Seed Science Research, 2017, 27, 251-261.	1.7	1
12	Prevention of Preharvest Sprouting through Hormone Engineering and Germination Recovery by Chemical Biology. Frontiers in Plant Science, 2017, 8, 90.	3.6	27
13	Seed Biology Updates â€" Highlights and New Discoveries in Seed Dormancy and Germination Research. Frontiers in Plant Science, 2017, 8, 524.	3.6	102
14	Chemically inducible gene expression in seeds before testa rupture. Seed Science Research, 2015, 25, 345-352.	1.7	3
15	Seed dormancy and germinationÃ¢â‚¬â€emerging mechanisms and new hypotheses. Frontiers in Plant Science, 2014, 5, 233.	3.6	238
16	Activation and regulation of primary metabolism during seed germination. Seed Science Research, 2014, 24, 1-15.	1.7	155
17	Amplification of <scp>ABA</scp> biosynthesis and signaling through a positive feedback mechanism in seeds. Plant Journal, 2014, 78, 527-539.	5.7	61
18	TOUCH ME â€" â€˜Touchâ€™ genes in the micropylar endosperm. Seed Science Research, 2013, 23, 217-221.	1.7	5

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19	Seed Biology in the 21st Century: Perspectives and New Directions. Plant and Cell Physiology, 2012, 53, 1-4.	3.1	118
20	Seed Traits and Genes Important for Translational Biology--Highlights from Recent Discoveries. Plant and Cell Physiology, 2012, 53, 5-15.	3.1	32
21	Mechanisms of hormonal regulation of endosperm capâ€specific gene expression in tomato seeds. Plant Journal, 2012, 71, 575-586.	5.7	37
22	Induction of 9- <i>cis</i> -epoxycarotenoid dioxygenase in <i>Arabidopsis thaliana</i> seeds enhances seed dormancy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17225-17229.	7.1	131
23	MicroRNA Function in Seed Biology. , 2011, , 339-357.		3
24	The regulation of post-germinative transition from the cotyledon- to vegetative-leaf stages by microRNA-targeted <i>SQUAMOSA PROMOTER-BINDING PROTEIN LIKE13</i> in <i>Arabidopsis</i>. Seed Science Research, 2010, 20, 89-96.	1.7	61
25	The microRNA156 and microRNA172 gene regulation cascades at post-germinative stages in<i>Arabidopsis</i>. Seed Science Research, 2010, 20, 79-87.	1.7	55
26	MicroRNA Gene Regulation Cascades During Early Stages of Plant Development. Plant and Cell Physiology, 2010, 51, 1840-1846.	3.1	64
27	Germinationâ€"Still a mystery. Plant Science, 2010, 179, 574-581.	3.6	529
28	microRNA, seeds, and Darwin?: diverse function of miRNA in seed biology and plant responses to stress. Journal of Experimental Botany, 2010, 61, 2229-2234.	4.8	87
29	An<i>Arabidopsis thaliana</i>embryo arrest mutant exhibiting germination potential. Seed Science Research, 2008, 18, 55-65.	1.7	4
30	Repression of transcription factors by microRNA during seed germination and postgerminaiton. Plant Signaling and Behavior, 2008, 3, 65-67.	2.4	26
31	Repression of <i>AUXIN RESPONSE FACTOR10</i> by microRNA160 is critical for seed germination and postâ€germination stages. Plant Journal, 2007, 52, 133-146.	5.7	548
32	microRNAs in seeds: modified detection techniques and potential applications. Canadian Journal of Botany, 2006, 84, 189-198.	1.1	21
33	Seed Germination-The Biochemical and Molecular Mechanisms. Breeding Science, 2006, 56, 93-105.	1.9	91
34	The Endo-Î²-Mannanase gene families in Arabidopsis, rice, and poplar. Functional and Integrative Genomics, 2006, 7, 1-16.	3.5	47
35	Heat shock treatments delay the increase in wound-induced phenylalanine ammonia-lyase activity by altering its expression, not its induction in Romaine lettuce (Lactuca sativa) tissue. Physiologia Plantarum, 2005, 123, 82-91.	5.2	64
36	Large-scale screening of Arabidopsis enhancer-trap lines for seed germination-associated genes. Plant Journal, 2005, 41, 936-944.	5.7	86

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37	The BME3 (Blue Micropylar End 3) GATA zinc finger transcription factor is a positive regulator of Arabidopsis seed germination. Plant Journal, 2005, 44, 960-971.	5.7	161
38	Simple purification of small RNAs from seeds and efficient detection of multiple microRNAs expressed in Arabidopsis thaliana and tomato (Lycopersicon esculentum) seeds. Seed Science Research, 2005, 15, 319-328.	1.7	35
39	A Novel Endo-Î²-Mannanase Gene in Tomato LeMAN5 Is Associated with Anther and Pollen Development. Plant Physiology, 2004, 134, 1080-1087.	4.8	156
40	Isolation and characterization of a wound inducible phenylalanine ammonia-lyase gene (LsPAL1) from Romaine lettuce leaves. Physiologia Plantarum, 2004, 121, 429-438.	5.2	67
41	Expression of a GALACTINOL SYNTHASE Gene in Tomato Seeds Is Up-Regulated before Maturation Desiccation and Again after Imbibition whenever Radicle Protrusion Is Prevented. Plant Physiology, 2003, 131, 1347-1359.	4.8	144
42	Endo-Î²-mannanase activity is associated with the completion of embryogenesis in imbibed carrot (Daucus carota L.) seeds. Seed Science Research, 2003, 13, 219-227.	1.7	30
43	A gibberellinâ€regulated xyloglucan endotransglycosylase gene is expressed in the endosperm cap during tomato seed germination. Journal of Experimental Botany, 2002, 53, 215-223.	4.8	123
44	A Gel Diffusion Assay for Visualization and Quantification of Chitinase Activity. Molecular Biotechnology, 2002, 22, 019-024.	2.4	29
45	A Germination-Specific Endo-Î²-Mannanase Gene Is Expressed in the Micropylar Endosperm Cap of Tomato Seeds. Plant Physiology, 2000, 123, 1235-1246.	4.8	181
46	Temporal and spatial pattern of the biochemical activation of the endosperm during and following imbibition of tomato seeds. Physiologia Plantarum, 1998, 102, 236-242.	5.2	33
47	Development of galactomannan-hydrolyzing activity in the micropylar endosperm tip of tomato seed prior to germination. Physiologia Plantarum, 1995, 94, 105-109.	5.2	55
48	Endo-beta-mannanases in the endosperm of germinated tomato seeds. Physiologia Plantarum, 1995, 94, 328-334.	5.2	39
49	Galactomannan hydrolyzing activity develops during priming in the micropylar endosperm tip of tomato seeds. Physiologia Plantarum, 1992, 85, 167-172.	5.2	56
50	Seed Coat Development and Dormancy. , 0, , 25-49.		50
51	Modeling of Seed Dormancy. , 0, , 72-112.		53
52	Genetic Aspects of Seed Dormancy. , 0, , 113-132.		20
53	Lipid Metabolism in Seed Dormancy. , 0, , 133-152.		9
54	Nitric Oxide in Seed Dormancy and Germination. , 0, , 153-175.		25

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55	A Merging of Paths: Abscisic Acid and Hormonal Cross-Talk in the Control of Seed Dormancy Maintenance and Alleviation. , 0, , 176-223.		30
56	Regulation of ABA and GA Levels During Seed Development and Germination inArabidopsis. , 0, , 224-247.		35
57	DE-repression of Seed Germination by GA Signaling. , 0, , 248-263.		7
58	Mechanisms and Genes Involved in GerminationSensu Stricto. , 0, , 264-304.		46
59	Sugar and Abscisic Acid Regulation of Germination and Transition to Seedling Growth. , 0, , 305-327.		7
60	Genetic Control of Seed Development and Seed Mass. , 0, , 1-24.		10
61	Definitions and Hypotheses of Seed Dormancy. , 0, , 50-71.		53