

Christophe PÃ©rin

List of Publications by Year in descending order

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44
papers

2,741
citations

257450

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3574
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#	ARTICLE	IF	CITATIONS
1	A new comprehensive annotation of leucine-rich repeat-containing receptors in rice. <i>Plant Journal</i> , 2021, 108, 492-508.	5.7	7
2	A fast, efficient and high-throughput procedure involving laser microdissection and RT droplet digital PCR for tissue-specific expression profiling of rice roots. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 92.	2.0	3
3	Beyond Seek and Destroy: how to Generate Allelic Series Using Genome Editing Tools. <i>Rice</i> , 2020, 13, 5.	4.0	7
4	Rice auxin influx carrier OsAUX1 facilitates root hair elongation in response to low external phosphate. <i>Nature Communications</i> , 2018, 9, 1408.	12.8	110
5	Sub-cellular markers highlight intracellular dynamics of membrane proteins in response to abiotic treatments in rice. <i>Rice</i> , 2018, 11, 23.	4.0	10
6	A protocol combining multiphoton microscopy and propidium iodide for deep 3D root meristem imaging in rice: application for the screening and identification of tissue-specific enhancer trap lines. <i>Plant Methods</i> , 2018, 14, 96.	4.3	4
7	SHR overexpression induces the formation of supernumerary cell layers with cortex cell identity in rice. <i>Developmental Biology</i> , 2017, 425, 1-7.	2.0	30
8	Production of low ⁺ rice plants by inactivation of the K ⁺ transporter OsHAK1 with the CRISPR-Cas system. <i>Plant Journal</i> , 2017, 92, 43-56.	5.7	161
9	Dynamic Regulation of Auxin Response during Rice Development Revealed by Newly Established Hormone Biosensor Markers. <i>Frontiers in Plant Science</i> , 2017, 8, 256.	3.6	41
10	New Insights on Leucine-Rich Repeats Receptor-Like Kinase Orthologous Relationships in Angiosperms. <i>Frontiers in Plant Science</i> , 2017, 08, 381.	3.6	54
11	Genome-wide association mapping for root cone angle in rice. <i>Rice</i> , 2017, 10, 45.	4.0	25
12	Root cone angle is enlarged in docs1 LRR-RLK mutants in rice. <i>Rice</i> , 2017, 10, 50.	4.0	11
13	The phenome analysis of mutant alleles in Leucine-Rich Repeat Receptor-Like Kinase genes in rice reveals new potential targets for stress tolerant cereals. <i>Plant Science</i> , 2016, 242, 240-249.	3.6	27
14	Immunoprofiling of Rice Root Cortex Reveals Two Cortical Subdomains. <i>Frontiers in Plant Science</i> , 2015, 6, 1139.	3.6	22
15	The roots of future rice harvests. <i>Rice</i> , 2014, 7, 29.	4.0	57
16	A plausible mechanism, based upon SHORT-ROOT movement, for regulating the number of cortex cell layers in roots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16184-16189.	7.1	85
17	PHIV-RootCell: a supervised image analysis tool for rice root anatomical parameter quantification. <i>Frontiers in Plant Science</i> , 2014, 5, 790.	3.6	19
18	Gene transfer: A tool for the functional analysis of the rice genome. <i>Cahiers Agricultures</i> , 2013, 22, 484-493.	0.9	1

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19	Dissecting the biological bases of traits of interest in rice: Architecture and development of the root system. <i>Cahiers Agricultures</i> , 2013, 22, 475-483.	0.9	6
20	Surfing along the root ground tissue gene network. <i>Developmental Biology</i> , 2012, 365, 14-22.	2.0	39
21	Inâ€depth molecular and phenotypic characterization in a rice insertion line library facilitates gene identification through reverse and forward genetics approaches. <i>Plant Biotechnology Journal</i> , 2012, 10, 555-568.	8.3	20
22	Leucine-Rich repeat receptor kinases are sporadically distributed in eukaryotic genomes. <i>BMC Evolutionary Biology</i> , 2011, 11, 367.	3.2	45
23	GreenPhylDB v2.0: comparative and functional genomics in plants. <i>Nucleic Acids Research</i> , 2011, 39, D1095-D1102.	14.5	106
24	Complex Regulation of Two Target Genes Encoding SPX-MFS Proteins by Rice miR827 in Response to Phosphate Starvation. <i>Plant and Cell Physiology</i> , 2010, 51, 2119-2131.	3.1	188
25	Genetic control of root development in rice, the model cereal. <i>Trends in Plant Science</i> , 2010, 15, 219-226.	8.8	287
26	OryGenesDB 2008 update: database interoperability for functional genomics of rice. <i>Nucleic Acids Research</i> , 2009, 37, D992-D995.	14.5	34
27	Molecular Genetics of Rice Root Development. <i>Rice</i> , 2009, 2, 15-34.	4.0	186
28	Phylogenomics of plant genomes: a methodology for genome-wide searches for orthologs in plants. <i>BMC Genomics</i> , 2008, 9, 183.	2.8	18
29	Modulating Rice Stress Tolerance by Transcription Factors. <i>Biotechnology and Genetic Engineering Reviews</i> , 2008, 25, 381-404.	6.2	49
30	Oryza Tag Line , a phenotypic mutant database for the GÄ©noplante rice insertion line library. <i>Nucleic Acids Research</i> , 2008, 36, D1022-D1027.	14.5	60
31	GreenPhylDB: a database for plant comparative genomics. <i>Nucleic Acids Research</i> , 2007, 36, D991-D998.	14.5	70
32	Model-assisted physiological analysis of Phyllo, a rice architectural mutant. <i>Functional Plant Biology</i> , 2007, 34, 11.	2.1	20
33	Informatics Resources for Rice Functional Genomics. , 2007, , 355-394.		2
34	OryGenesDB: a database for rice reverse genetics. <i>Nucleic Acids Research</i> , 2006, 34, D736-D740.	14.5	82
35	High throughput T-DNA insertion mutagenesis in rice: a first step towardsin silicoreverse genetics. <i>Plant Journal</i> , 2004, 39, 450-464.	5.7	231
36	Linkage map of Cucumis melo including phenotypic traits and sequence-characterized genes. <i>Genome</i> , 2003, 46, 761-773.	2.0	69

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37	Molecular and Genetic Characterization of a Non-Climacteric Phenotype in Melon Reveals Two Loci Conferring Altered Ethylene Response in Fruit. <i>Plant Physiology</i> , 2002, 129, 300-309.	4.8	138
38	Resistance gene homologues in melon are linked to genetic loci conferring disease and pest resistance. <i>Theoretical and Applied Genetics</i> , 2002, 104, 1055-1063.	3.6	90
39	A reference map of <i>Cucumis melo</i> based on two recombinant inbred line populations. <i>Theoretical and Applied Genetics</i> , 2002, 104, 1017-1034.	3.6	183
40	Genetic control of fruit shape acts prior to anthesis in melon (<i>Cucumis melo</i> L.). <i>Molecular Genetics and Genomics</i> , 2002, 266, 933-941.	2.1	88
41	CONSTRUCTION OF A REFERENCE GENETIC MAP OF MELON. <i>Acta Horticulturae</i> , 2000, , 367-374.	0.2	11
42	IDENTIFICATION OF QTLs CONTRIBUTING TO RESISTANCE TO DIFFERENT STRAINS OF CUCUMBER MOSAIC CUCUMOVIRUS IN MELON. <i>Acta Horticulturae</i> , 2000, , 391-398.	0.2	39
43	ETHYLENE-REGULATED GENES AND CLARIFICATION OF THE ROLE OF ETHYLENE IN THE REGULATION OF RIPENING AND QUALITY IN CANTALOUPE MELON FRUIT. <i>Acta Horticulturae</i> , 2000, , 499-509.	0.2	2
44	Expression of an A20/AN1 Stress-Associated Protein from <i>Aeluropus littoralis</i> in Rice Deregulates Stress-Related Genes. <i>Journal of Plant Growth Regulation</i> , 0, , 1.	5.1	4