

Sambasivam Periyannan

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

2,971
citations

430874

18
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

2487
citing authors

#	ARTICLE	IF	CITATIONS
1	A Chromosome Scale Assembly of an Australian <i>Puccinia striiformis</i> f. sp. <i>tritici</i> Isolate of the <i>PstS1</i> Lineage. <i>Molecular Plant-Microbe Interactions</i> , 2022, 35, 293-296.	2.6	12
2	Physical separation of haplotypes in dikaryons allows benchmarking of phasing accuracy in Nanopore and HiFi assemblies with Hi-C data. <i>Genome Biology</i> , 2022, 23, 84.	8.8	31
3	Haplotype variants of Sr46 in <i>Aegilops tauschii</i> , the diploid D genome progenitor of wheat. <i>Theoretical and Applied Genetics</i> , 2022, 135, 2627-2639.	3.6	2
4	The wheat <i>Sr22</i> , <i>Sr33</i> , <i>Sr35</i> and <i>Sr45</i> genes confer resistance against stem rust in barley. <i>Plant Biotechnology Journal</i> , 2021, 19, 273-284.	8.3	14
5	A highly differentiated region of wheat chromosome 7AL encodes a <i>Pm1a</i> immune receptor that recognizes its corresponding <i>AvrPm1a</i> effector from <i>Blumeria graminis</i> . <i>New Phytologist</i> , 2021, 229, 2812-2826.	7.3	72
6	A five-transgene cassette confers broad-spectrum resistance to a fungal rust pathogen in wheat. <i>Nature Biotechnology</i> , 2021, 39, 561-566.	17.5	94
7	BED domain-containing NLR from wild barley confers resistance to leaf rust. <i>Plant Biotechnology Journal</i> , 2021, 19, 1206-1215.	8.3	24
8	A recombined Sr26 and Sr61 disease resistance gene stack in wheat encodes unrelated NLR genes. <i>Nature Communications</i> , 2021, 12, 3378.	12.8	39
9	Molecular genetics of leaf rust resistance in wheat and barley. <i>Theoretical and Applied Genetics</i> , 2020, 133, 2035-2050.	3.6	46
10	Resistance gene cloning from a wild crop relative by sequence capture and association genetics. <i>Nature Biotechnology</i> , 2019, 37, 139-143.	17.5	280
11	Sustaining global agriculture through rapid detection and deployment of genetic resistance to deadly crop diseases. <i>New Phytologist</i> , 2018, 219, 45-51.	7.3	25
12	Generation of Loss-of-Function Mutants for Wheat Rust Disease Resistance Gene Cloning. <i>Methods in Molecular Biology</i> , 2017, 1659, 199-205.	0.9	12
13	Isolation of Wheat Genomic DNA for Gene Mapping and Cloning. <i>Methods in Molecular Biology</i> , 2017, 1659, 207-213.	0.9	21
14	Mining Vavilov's Treasure Chest of Wheat Diversity for Adult Plant Resistance to <i>Puccinia triticina</i> . <i>Plant Disease</i> , 2017, 101, 317-323.	1.4	28
15	An overview of genetic rust resistance: From broad to specific mechanisms. <i>PLoS Pathogens</i> , 2017, 13, e1006380.	4.7	81
16	Rapid cloning of disease-resistance genes in plants using mutagenesis and sequence capture. <i>Nature Biotechnology</i> , 2016, 34, 652-655.	17.5	383
17	Cytosolic activation of cell death and stem rust resistance by cereal MLA-family CC-NLR proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10204-10209.	7.1	97
18	A rapid phenotyping method for adult plant resistance to leaf rust in wheat. <i>Plant Methods</i> , 2016, 12, 17.	4.3	86

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19	<i>Aegilops tauschii</i> Introgressions in Wheat. , 2015, , 245-271.		19
20	The wheat Sr50 gene reveals rich diversity at a cereal disease resistance locus. Nature Plants, 2015, 1, 15186.	9.3	209
21	A recently evolved hexose transporter variant confers resistance to multiple pathogens in wheat. Nature Genetics, 2015, 47, 1494-1498.	21.4	575
22	Identification of a robust molecular marker for the detection of the stem rust resistance gene Sr45 in common wheat. Theoretical and Applied Genetics, 2014, 127, 947-955.	3.6	62
23	Development and validation of molecular markers linked with stem rust resistance gene Sr13 in durum wheat. Crop and Pasture Science, 2014, 65, 74.	1.5	11
24	Simple Quantification of In Planta Fungal Biomass. Methods in Molecular Biology, 2014, 1127, 159-172.	0.9	6
25	A Simple Method for Comparing Fungal Biomass in Infected Plant Tissues. Molecular Plant-Microbe Interactions, 2013, 26, 658-667.	2.6	54
26	The Gene <i>Sr33</i> , an Ortholog of Barley <i>Mla</i> Genes, Encodes Resistance to Wheat Stem Rust Race Ug99. Science, 2013, 341, 786-788.	12.6	370
27	Lr68: a new gene conferring slow rusting resistance to leaf rust in wheat. Theoretical and Applied Genetics, 2012, 124, 1475-1486.	3.6	248
28	A robust molecular marker for the detection of shortened introgressed segment carrying the stem rust resistance gene Sr22 in common wheat. Theoretical and Applied Genetics, 2011, 122, 1-7.	3.6	48