

Ravi Maruthachalam

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,590
citations

623574

14
h-index

713332

21
g-index

26
all docs

26
docs citations

26
times ranked

1498
citing authors

#	ARTICLE	IF	CITATIONS
1	Haploid plants produced by centromere-mediated genome elimination. <i>Nature</i> , 2010, 464, 615-618.	13.7	483
2	Gamete formation without meiosis in <i>Arabidopsis</i> . <i>Nature</i> , 2008, 451, 1121-1124.	13.7	192
3	Synthetic Clonal Reproduction Through Seeds. <i>Science</i> , 2011, 331, 876-876.	6.0	115
4	Meiosis-Specific Loading of the Centromere-Specific Histone CENH3 in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , 2011, 7, e1002121.	1.5	111
5	Catastrophic chromosomal restructuring during genome elimination in plants. <i>ELife</i> , 2015, 4, .	2.8	104
6	The Rapidly Evolving Centromere-Specific Histone Has Stringent Functional Requirements in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , 2010, 186, 461-471.	1.2	101
7	A haploid genetics toolbox for <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , 2014, 5, 5334.	5.8	100
8	Reverse breeding in <i>Arabidopsis thaliana</i> generates homozygous parental lines from a heterozygous plant. <i>Nature Genetics</i> , 2012, 44, 467-470.	9.4	97
9	Rapid creation of <i>Arabidopsis</i> doubled haploid lines for quantitative trait locus mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4227-4232.	3.3	68
10	Hybrid recreation by reverse breeding in <i>Arabidopsis thaliana</i> . <i>Nature Protocols</i> , 2014, 9, 761-772.	5.5	37
11	AtMND1 is required for homologous pairing during meiosis in <i>Arabidopsis</i> . <i>BMC Molecular Biology</i> , 2006, 7, 24.	3.0	36
12	Epigenetically mismatched parental centromeres trigger genome elimination in hybrids. <i>Science Advances</i> , 2021, 7, eabk1151.	4.7	35
13	The plant adherin <i>AtSCC2</i> is required for embryogenesis and sister chromatid cohesion during meiosis in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 59, 1-13.	2.8	28
14	The Polycomb-Group Repressor MEDEA Attenuates Pathogen Defense. <i>Plant Physiology</i> , 2018, 177, 1728-1742.	2.3	26
15	Natural epialleles of <i>Arabidopsis</i> SUPERMAN display superwoman phenotypes. <i>Communications Biology</i> , 2020, 3, 772.	2.0	11
16	Genome Elimination by Tailswap CenH3: In Vivo Haploid Production in <i>Arabidopsis thaliana</i> . <i>Methods in Molecular Biology</i> , 2016, 1469, 77-99.	0.4	9
17	Understanding and exploiting uniparental genome elimination in plants: insights from <i>Arabidopsis thaliana</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 4646-4662.	2.4	7
18	The Generation of Doubled Haploid Lines for QTL Mapping. <i>Methods in Molecular Biology</i> , 2017, 1610, 39-57.	0.4	6

#	ARTICLE	IF	CITATIONS
19	Mut ^S Homolog2 silencing generates tetraploid meiocytes in tomato (<i>Solanum lycopersicum</i>). Plant Direct, 2018, 2, e00017.	0.8	5
20	The kinetochore protein NNF1 has a moonlighting role in the vegetative development of Arabidopsis thaliana. Plant Journal, 2021, , .	2.8	4
21	Molecular approaches for the fixation of plant hybrid vigor. Biotechnology Journal, 2009, 4, 342-347.	1.8	2
22	Cantil â€“ a new organ or a morphological oddity?. New Phytologist, 2021, 232, 1904-1908.	3.5	0