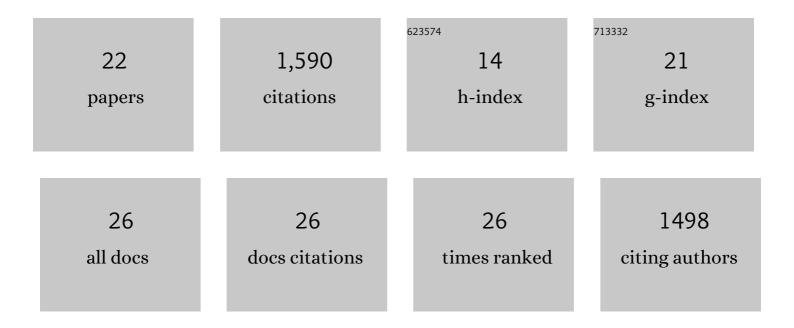
Ravi Maruthachalam

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7198517/publications.pdf Version: 2024-02-01



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

#	Article	IF	CITATIONS
19	MutSâ€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 – a new organ or a morphological oddity?. New Phytologist, 2021, 232, 1904-1908.	3.5	0