

Sonia Negrao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

2,723
citations

20
h-index

47
g-index

47
ext. papers

3,769
ext. citations

6.8
avg, IF

5.48
L-index

#	Paper	IF	Citations
42	Genetic mapping of the early responses to salt stress in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2021 , 107, 544-563	6.9	3
41	Assessing Rice Salinity Tolerance: From Phenomics to Association Mapping. <i>Methods in Molecular Biology</i> , 2021 , 2238, 339-375	1.4	0
40	Predicting Biomass and Yield in a Tomato Phenotyping Experiment Using UAV Imagery and Random Forest. <i>Frontiers in Artificial Intelligence</i> , 2020 , 3, 28	3	14
39	Genomic history and ecology of the geographic spread of rice. <i>Nature Plants</i> , 2020 , 6, 492-502	11.5	45
38	Diverse Traits Contribute to Salinity Tolerance of Wild Tomato Seedlings from the Galapagos Islands. <i>Plant Physiology</i> , 2020 , 182, 534-546	6.6	20
37	Dissecting new genetic components of salinity tolerance in two-row spring barley at the vegetative and reproductive stages. <i>PLoS ONE</i> , 2020 , 15, e0236037	3.7	11
36	Dissecting new genetic components of salinity tolerance in two-row spring barley at the vegetative and reproductive stages 2020 , 15, e0236037		
35	Dissecting new genetic components of salinity tolerance in two-row spring barley at the vegetative and reproductive stages 2020 , 15, e0236037		
34	Dissecting new genetic components of salinity tolerance in two-row spring barley at the vegetative and reproductive stages 2020 , 15, e0236037		
33	Dissecting new genetic components of salinity tolerance in two-row spring barley at the vegetative and reproductive stages 2020 , 15, e0236037		
32	Unmanned Aerial Vehicle-Based Phenotyping Using Morphometric and Spectral Analysis Can Quantify Responses of Wild Tomato Plants to Salinity Stress. <i>Frontiers in Plant Science</i> , 2019 , 10, 370	6.2	29
31	Salt stress under the scalpel - dissecting the genetics of salt tolerance. <i>Plant Journal</i> , 2019 , 97, 148-163	6.9	104
30	High-throughput 3D modelling to dissect the genetic control of leaf elongation in barley (<i>Hordeum vulgare</i>). <i>Plant Journal</i> , 2019 , 98, 555-570	6.9	9
29	Genomic and Genetic Studies of Abiotic Stress Tolerance in Barley. <i>Compendium of Plant Genomes</i> , 2018 , 259-286	0.8	7
28	The Genome Sequence of the Wild Tomato Provides Insights Into Salinity Tolerance. <i>Frontiers in Plant Science</i> , 2018 , 9, 1402	6.2	41
27	Rice calcium-dependent protein kinase OsCPK17 targets plasma membrane intrinsic protein and sucrose-phosphate synthase and is required for a proper cold stress response. <i>Plant, Cell and Environment</i> , 2017 , 40, 1197-1213	8.4	59
26	The genome of <i>Chenopodium quinoa</i> . <i>Nature</i> , 2017 , 542, 307-312	50.4	345

25	Environmental stress is the major cause of transcriptomic and proteomic changes in GM and non-GM plants. <i>Scientific Reports</i> , 2017 , 7, 10624	4.9	11
24	DES-TOMATO: A Knowledge Exploration System Focused On Tomato Species. <i>Scientific Reports</i> , 2017 , 7, 5968	4.9	7
23	Evaluating physiological responses of plants to salinity stress. <i>Annals of Botany</i> , 2017 , 119, 1-11	4.1	538
22	Genetic Diversity and Population Structure of Two Tomato Species from the Galapagos Islands. <i>Frontiers in Plant Science</i> , 2017 , 8, 138	6.2	24
21	Salinity tolerance loci revealed in rice using high-throughput non-invasive phenotyping. <i>Nature Communications</i> , 2016 , 7, 13342	17.4	134
20	Yield-related salinity tolerance traits identified in a nested association mapping (NAM) population of wild barley. <i>Scientific Reports</i> , 2016 , 6, 32586	4.9	79
19	High-Throughput Non-destructive Phenotyping of Traits that Contribute to Salinity Tolerance in. <i>Frontiers in Plant Science</i> , 2016 , 7, 1414	6.2	76
18	Comprehensive phenotypic analysis of rice (<i>Oryza sativa</i>) response to salinity stress. <i>Physiologia Plantarum</i> , 2015 , 155, 43-54	4.6	38
17	Salt resistant crop plants. <i>Current Opinion in Biotechnology</i> , 2014 , 26, 115-24	11.4	630
16	Coping with abiotic stress: proteome changes for crop improvement. <i>Journal of Proteomics</i> , 2013 , 93, 145-68	3.9	71
15	Different evolutionary histories of two cation/proton exchanger gene families in plants. <i>BMC Plant Biology</i> , 2013 , 13, 97	5.3	22
14	New allelic variants found in key rice salt-tolerance genes: an association study. <i>Plant Biotechnology Journal</i> , 2013 , 11, 87-100	11.6	94
13	Genetic Diversity and Population Structure in a European Collection of Rice. <i>Crop Science</i> , 2012 , 52, 1663-1675	2.1	53
12	Use of EcoTILLING to identify natural allelic variants of rice candidate genes involved in salinity tolerance. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011 , 9, 300-304	1	14
11	Recent Updates on Salinity Stress in Rice: From Physiological to Molecular Responses. <i>Critical Reviews in Plant Sciences</i> , 2011 , 30, 329-377	5.6	126
10	Targeted association analysis identified japonica rice varieties achieving Na(+)/K (+) homeostasis without the allelic make-up of the salt tolerant indica variety Nona Bokra. <i>Theoretical and Applied Genetics</i> , 2011 , 123, 881-95	6	44
9	Molecular characterization of the European rice collection in view of association mapping. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011 , 9, 233-235	1	3
8	Integration of genomic tools to assist breeding in the japonica subspecies of rice. <i>Molecular Breeding</i> , 2008 , 22, 159-168	3.4	18

7	Genetic Relatedness of Portuguese Rice Accessions from Diverse Origins as Assessed by Microsatellite Markers. <i>Crop Science</i> , 2007 , 47, 879-884	2.4	23
6	Potential of Waxy gene microsatellite and single-nucleotide polymorphisms to develop japonica varieties with desired amylose levels in rice (<i>Oryza sativa</i> L.). <i>Journal of Cereal Science</i> , 2007 , 46, 178-186 ^{3,8}		15
5	Plant Phenotyping ¹⁻¹⁴		2
4	A diversity of traits contributes to salinity tolerance of wild Galapagos tomatoes seedlings		2
3	Genetic mapping of the early responses to salt stress in <i>Arabidopsis thaliana</i>		1
2	The genome sequence of the wild tomato <i>Solanum pimpinellifolium</i> provides insights into salinity tolerance		2
1	Genomic history and ecology of the geographic spread of rice		3