

Sonia Negroa

List of Publications by Citations

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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	Salt resistant crop plants. <i>Current Opinion in Biotechnology</i> , 2014 , 26, 115-24	11.4	630
41	Evaluating physiological responses of plants to salinity stress. <i>Annals of Botany</i> , 2017 , 119, 1-11	4.1	538
40	The genome of <i>Chenopodium quinoa</i> . <i>Nature</i> , 2017 , 542, 307-312	50.4	345
39	Salinity tolerance loci revealed in rice using high-throughput non-invasive phenotyping. <i>Nature Communications</i> , 2016 , 7, 13342	17.4	134
38	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
37	Salt stress under the scalpel - dissecting the genetics of salt tolerance. <i>Plant Journal</i> , 2019 , 97, 148-163	6.9	104
36	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
35	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
34	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
33	Coping with abiotic stress: proteome changes for crop improvement. <i>Journal of Proteomics</i> , 2013 , 93, 145-68	3.9	71
32	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
31	Genetic Diversity and Population Structure in a European Collection of Rice. <i>Crop Science</i> , 2012 , 52, 1663-1675	3.1	53
30	Genomic history and ecology of the geographic spread of rice. <i>Nature Plants</i> , 2020 , 6, 492-502	11.5	45
29	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
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	Comprehensive phenotypic analysis of rice (<i>Oryza sativa</i>) response to salinity stress. <i>Physiologia Plantarum</i> , 2015 , 155, 43-54	4.6	38
26	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

25	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
24	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
23	Different evolutionary histories of two cation/proton exchanger gene families in plants. <i>BMC Plant Biology</i> , 2013 , 13, 97	5.3	22
22	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
21	Integration of genomic tools to assist breeding in the japonica subspecies of rice. <i>Molecular Breeding</i> , 2008 , 22, 159-168	3.4	18
20	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
19	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
18	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
17	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
16	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
15	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
14	Genomic and Genetic Studies of Abiotic Stress Tolerance in Barley. <i>Compendium of Plant Genomes</i> , 2018 , 259-286	0.8	7
13	DES-TOMATO: A Knowledge Exploration System Focused On Tomato Species. <i>Scientific Reports</i> , 2017 , 7, 5968	4.9	7
12	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
11	Genomic history and ecology of the geographic spread of rice		3
10	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
9	Plant Phenotyping1-14		2
8	A diversity of traits contributes to salinity tolerance of wild Galapagos tomatoes seedlings		2

- 7 The genome sequence of the wild tomato *Solanum pimpinellifolium* provides insights into salinity tolerance 2
- 6 Genetic mapping of the early responses to salt stress in *Arabidopsis thaliana* 1
- 5 Assessing Rice Salinity Tolerance: From Phenomics to Association Mapping. *Methods in Molecular Biology*, **2021**, 2238, 339-375 1.4 0
- 4 Dissecting new genetic components of salinity tolerance in two-row spring barley at the vegetative and reproductive stages **2020**, 15, e0236037
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- 2 Dissecting new genetic components of salinity tolerance in two-row spring barley at the vegetative and reproductive stages **2020**, 15, e0236037
- 1 Dissecting new genetic components of salinity tolerance in two-row spring barley at the vegetative and reproductive stages **2020**, 15, e0236037