

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7377912/stuart-j-roy-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	3,186 citations	24 h-index	47 g-index
47 ext. papers	3,946 ext. citations	6.1 avg, IF	5.4 L-index

#	Paper	IF	Citations
42	Salt resistant crop plants. <i>Current Opinion in Biotechnology</i> , 2014 , 26, 115-24	11.4	630
41	Shoot Na ⁺ exclusion and increased salinity tolerance engineered by cell type-specific alteration of Na ⁺ transport in Arabidopsis. <i>Plant Cell</i> , 2009 , 21, 2163-78	11.6	387
40	Quantifying the three main components of salinity tolerance in cereals. <i>Plant, Cell and Environment</i> , 2009 , 32, 237-49	8.4	307
39	Accurate inference of shoot biomass from high-throughput images of cereal plants. <i>Plant Methods</i> , 2011 , 7, 2	5.8	194
38	Genetic analysis of abiotic stress tolerance in crops. <i>Current Opinion in Plant Biology</i> , 2011 , 14, 232-9	9.9	187
37	Energy costs of salt tolerance in crop plants. <i>New Phytologist</i> , 2020 , 225, 1072-1090	9.8	144
36	Evaluating contribution of ionic, osmotic and oxidative stress components towards salinity tolerance in barley. <i>BMC Plant Biology</i> , 2014 , 14, 113	5.3	118
35	Expression of the Arabidopsis vacuolar H ⁺ -pyrophosphatase gene (AVP1) improves the shoot biomass of transgenic barley and increases grain yield in a saline field. <i>Plant Biotechnology Journal</i> , 2014 , 12, 378-86	11.6	110
34	Image-based phenotyping for non-destructive screening of different salinity tolerance traits in rice. <i>Rice</i> , 2014 , 7, 16	5.8	110
33	Improved salinity tolerance of rice through cell type-specific expression of AtHKT1;1. <i>PLoS ONE</i> , 2010 , 5, e12571	3.7	106
32	Translating knowledge about abiotic stress tolerance to breeding programmes. <i>Plant Journal</i> , 2017 , 90, 898-917	6.9	97
31	Investigating glutamate receptor-like gene co-expression in Arabidopsis thaliana. <i>Plant, Cell and Environment</i> , 2008 , 31, 861-71	8.4	95
30	Variation in salinity tolerance and shoot sodium accumulation in Arabidopsis ecotypes linked to differences in the natural expression levels of transporters involved in sodium transport. <i>Plant, Cell and Environment</i> , 2010 , 33, 793-804	8.4	84
29	Identification of a Stelar-Localized Transport Protein That Facilitates Root-to-Shoot Transfer of Chloride in Arabidopsis. <i>Plant Physiology</i> , 2016 , 170, 1014-29	6.6	66
28	A novel protein kinase involved in Na(+) exclusion revealed from positional cloning. <i>Plant, Cell and Environment</i> , 2013 , 36, 553-68	8.4	60
27	SLAH1, a homologue of the slow type anion channel SLAC1, modulates shoot Cl ⁻ accumulation and salt tolerance in Arabidopsis thaliana. <i>Journal of Experimental Botany</i> , 2016 , 67, 4495-505	7	51
26	AVP1: One Protein, Many Roles. <i>Trends in Plant Science</i> , 2017 , 22, 154-162	13.1	47

25	The role of the CBLIPK calcium signalling network in regulating ion transport in response to abiotic stress. <i>Plant Growth Regulation</i> , 2015 , 76, 3-12	3.2	41
24	Mapping of novel salt tolerance QTL in an Excalibur (Kukri doubled haploid wheat population. <i>Theoretical and Applied Genetics</i> , 2018 , 131, 2179-2196	6	39
23	Modulates Chloride (Cl) Efflux from Roots of. <i>Frontiers in Plant Science</i> , 2016 , 7, 2013	6.2	36
22	HVP10 encoding V-PPase is a prime candidate for the barley HvNax3 sodium exclusion gene: evidence from fine mapping and expression analysis. <i>Planta</i> , 2013 , 237, 1111-22	4.7	31
21	Comparison of Leaf Sheath Transcriptome Profiles with Physiological Traits of Bread Wheat Cultivars under Salinity Stress. <i>PLoS ONE</i> , 2015 , 10, e0133322	3.7	26
20	Genetics of Na exclusion and salinity tolerance in Afghani durum wheat landraces. <i>BMC Plant Biology</i> , 2017 , 17, 209	5.3	25
19	Variation in shoot tolerance mechanisms not related to ion toxicity in barley. <i>Functional Plant Biology</i> , 2017 , 44, 1194-1206	2.7	23
18	Expressing AtNHX1 in barley (<i>Hordium vulgare</i> L.) does not improve plant performance under saline conditions. <i>Plant Growth Regulation</i> , 2015 , 77, 289-297	3.2	20
17	Expressing <i>Arabidopsis thaliana</i> V-ATPase subunit C in barley (<i>Hordeum vulgare</i>) improves plant performance under saline condition by enabling better osmotic adjustment. <i>Functional Plant Biology</i> , 2017 , 44, 1147-1159	2.7	15
16	Different NaCl-induced calcium signatures in the <i>Arabidopsis thaliana</i> ecotypes Col-0 and C24. <i>PLoS ONE</i> , 2015 , 10, e0117564	3.7	15
15	Nanolitre-scale assays to determine the activities of enzymes in individual plant cells. <i>Plant Journal</i> , 2003 , 34, 555-64	6.9	13
14	Barley sodium content is regulated by natural variants of the Na transporter HvHKT1;5. <i>Communications Biology</i> , 2020 , 3, 258	6.7	12
13	A single nucleotide substitution in TaHKT1;5-D controls shoot Na accumulation in bread wheat. <i>Plant, Cell and Environment</i> , 2020 , 43, 2158-2171	8.4	11
12	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
11	Identification of salt tolerance QTL in a wheat RIL mapping population using destructive and non-destructive phenotyping. <i>Functional Plant Biology</i> , 2021 , 48, 131-140	2.7	9
10	Salinity tolerance 2014 , 133-178		6
9	The evolutionary origin of CIPK16: A gene involved in enhanced salt tolerance. <i>Molecular Phylogenetics and Evolution</i> , 2016 , 100, 135-147	4.1	6
8	Improved Yield and Photosynthate Partitioning in AVP1 Expressing Wheat () Plants. <i>Frontiers in Plant Science</i> , 2020 , 11, 273	6.2	6

7	A single nucleotide substitution in TaHKT1;5-D controls shoot Na ⁺ accumulation in bread wheat		3
6	Transcriptional variation is associated with differences in shoot sodium accumulation in distinct barley varieties. <i>Environmental and Experimental Botany</i> , 2019 , 166, 103812	5.9	2
5	Transcriptomics on small samples. <i>Methods in Molecular Biology</i> , 2012 , 913, 335-50	1.4	2
4	Opportunities for Developing Salt-tolerant Wheat and Barley Varieties 2019 , 157-218		1
3	Increasing Salinity Tolerance of Crops 2019 , 245-267		1
2	Identifying the genetic control of salinity tolerance in the bread wheat landrace Mocho de Espiga Branca. <i>Functional Plant Biology</i> , 2021 , 48, 1148-1160	2.7	1
1	Proton-pumping pyrophosphatase homeolog expression is a dynamic trait in bread wheat (). <i>Plant Direct</i> , 2021 , 5, e354	3.3	