

Richard Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

221
papers

10,168
citations

31976

53
h-index

46799

89
g-index

230
all docs

230
docs citations

230
times ranked

9417
citing authors

#	ARTICLE	IF	CITATIONS
1	Cadmium-induced changes in composition and co-metabolism of glycerolipids species in wheat root: Glycerolipidomic and transcriptomic approach. <i>Journal of Hazardous Materials</i> , 2022, 423, 127115.	12.4	8
2	Reduced apoplastic barriers in tissues of shoot-proximal rhizomes of <i>Oryza coarctata</i> are associated with Na ⁺ sequestration. <i>Journal of Experimental Botany</i> , 2022, 73, 998-1015.	4.8	2
3	Nucleotide-binding leucine-rich repeat proteins: a missing link in controlling cell fate and plant adaptation to hostile environment?. <i>Journal of Experimental Botany</i> , 2022, 73, 631-635.	4.8	1
4	Cation transporters in cell fate determination and plant adaptive responses to a low-oxygen environment. <i>Journal of Experimental Botany</i> , 2022, 73, 636-645.	4.8	7
5	Genome-wide association study reveals a genomic region on 5AL for salinity tolerance in wheat. <i>Theoretical and Applied Genetics</i> , 2022, 135, 709-721.	3.6	10
6	Rewilding staple crops for the lost halophytism: Toward sustainability and profitability of agricultural production systems. <i>Molecular Plant</i> , 2022, 15, 45-64.	8.3	23
7	Shotgun Proteomics as a Powerful Tool for the Study of the Proteomes of Plants, Their Pathogens, and Plant-Pathogen Interactions. <i>Proteomes</i> , 2022, 10, 5.	3.5	18
8	Proto Kranz-like leaf traits and cellular ionic regulation are associated with salinity tolerance in a halophytic wild rice. <i>Stress Biology</i> , 2022, 2, 1.	3.1	4
9	Proteomic investigation of brain, liver and intestine in high feed intake and low feed intake Chinook salmon (<i>Oncorhynchus tshawytscha</i>). <i>Aquaculture</i> , 2022, 551, 737915.	3.5	9
10	Impacts of barley root cortical aerenchyma on growth, physiology, yield components, and grain quality under field waterlogging conditions. <i>Field Crops Research</i> , 2022, 279, 108461.	5.1	9
11	The role of NADPH oxidases in regulating leaf gas exchange and ion homeostasis in <i>Arabidopsis</i> plants under cadmium stress. <i>Journal of Hazardous Materials</i> , 2022, 429, 128217.	12.4	11
12	Application of omics technologies in single-type guard cell studies for understanding the mechanistic basis of plant adaptation to saline conditions. <i>Advances in Botanical Research</i> , 2022, , 249-270.	1.1	2
13	Comparative Analysis of Root Na ⁺ Relation under Salinity between <i>Oryza sativa</i> and <i>Oryza coarctata</i> . <i>Plants</i> , 2022, 11, 656.	3.5	7
14	Rethinking Rehabilitation of Salt-Affected Land: New Perspectives from Australian Experience. <i>Earth</i> , 2022, 3, 245-258.	2.2	3
15	Using Portable X-ray Fluorescence Spectroscopy for Inexpensive and Quick Determination of Micronutrients in Barley Shoots. <i>Communications in Soil Science and Plant Analysis</i> , 2022, 53, 1379-1384.	1.4	4
16	Evolutionary Significance of NHX Family and NHX1 in Salinity Stress Adaptation in the Genus <i>Oryza</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 2092.	4.1	19
17	Plant responses to heterogeneous salinity: agronomic relevance and research priorities. <i>Annals of Botany</i> , 2022, 129, 499-518.	2.9	13
18	Cathelicidin-3 Associated With Serum Extracellular Vesicles Enables Early Diagnosis of a Transmissible Cancer. <i>Frontiers in Immunology</i> , 2022, 13, 858423.	4.8	3

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19	Genome-Wide Association Study Reveals Marker Trait Associations (MTA) for Waterlogging-Triggered Adventitious Roots and Aerenchyma Formation in Barley. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3341.	4.1	9
20	Multidimensional screening and evaluation of morpho-physiological indices for salinity stress tolerance in wheat. <i>Journal of Agronomy and Crop Science</i> , 2022, 208, 454-471.	3.5	11
21	pH-Dependent mitigation of aluminum toxicity in pea (<i>Pisum sativum</i>) roots by boron. <i>Plant Science</i> , 2022, 318, 111208.	3.6	7
22	Challenges of an Emerging Disease: The Evolving Approach to Diagnosing Devil Facial Tumour Disease. <i>Pathogens</i> , 2022, 11, 27.	2.8	1
23	Large-Scale Protein and Phosphoprotein Profiling to Explore Potato Resistance Mechanisms to <i>Spongospora subterranea</i> Infection. <i>Frontiers in Plant Science</i> , 2022, 13, 872901.	3.6	3
24	A novel R3H protein, OsDIP1, confers ABA-mediated adaptation to drought and salinity stress in rice. <i>Plant and Soil</i> , 2022, 477, 501-519.	3.7	1
25	Local and systemic responses conferring acclimation of <i>Brassica napus</i> roots to low phosphorus conditions. <i>Journal of Experimental Botany</i> , 2022, 73, 4753-4777.	4.8	9
26	Tissue-Specific Responses of Cereals to Two Fusarium Diseases and Effects of Plant Height and Drought Stress on Their Susceptibility. <i>Agronomy</i> , 2022, 12, 1108.	3.0	3
27	Stalk cell polar ion transport provide for bladder-based salinity tolerance in <i>Chenopodium quinoa</i> . <i>New Phytologist</i> , 2022, 235, 1822-1835.	7.3	8
28	Evaluation of salt tolerance of oat cultivars and the mechanism of adaptation to salinity. <i>Journal of Plant Physiology</i> , 2022, 273, 153708.	3.5	15
29	Protein metabolism in the liver and white muscle is associated with feed efficiency in Chinook salmon (<i>Oncorhynchus tshawytscha</i>) reared in seawater: Evidence from proteomic analysis. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2022, 42, 100994.	1.0	2
30	Melatonin as a regulator of plant ionic homeostasis: implications for abiotic stress tolerance. <i>Journal of Experimental Botany</i> , 2022, 73, 5886-5902.	4.8	26
31	Multi-omics reveals mechanisms of resistance to potato root infection by <i>Spongospora subterranea</i> . <i>Scientific Reports</i> , 2022, 12, .	3.3	6
32	Non-stomatal limitation of photosynthesis by soil salinity. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 791-825.	12.8	129
33	Evolution of rapid blue-light response linked to explosive diversification of ferns in angiosperm forests. <i>New Phytologist</i> , 2021, 230, 1201-1213.	7.3	33
34	A comparative analysis of stomatal traits and photosynthetic responses in closely related halophytic and glycophytic species under saline conditions. <i>Environmental and Experimental Botany</i> , 2021, 181, 104300.	4.2	36
35	Salinity Effects on Guard Cell Proteome in <i>Chenopodium quinoa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 428.	4.1	20
36	Antioxidant Enzymatic Activity and Osmotic Adjustment as Components of the Drought Tolerance Mechanism in <i>Carex duriuscula</i> . <i>Plants</i> , 2021, 10, 436.	3.5	25

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37	Sodium sequestration confers salinity tolerance in an ancestral wild rice. <i>Physiologia Plantarum</i> , 2021, 172, 1594-1608.	5.2	22
38	Biochemical and biophysical pH clamp controlling Net H ⁺ efflux across the plasma membrane of plant cells. <i>New Phytologist</i> , 2021, 230, 408-415.	7.3	25
39	Optimizing hydroponic culture media and NO ₃ ⁻ /NH ₄ ⁺ ratio for improving essential oil compositions of purple coneflower (<i>Echinacea purpurea</i> L.). <i>Scientific Reports</i> , 2021, 11, 8009.	3.3	8
40	Quantitative proteomics provides an insight into germination-related proteins in the obligate biotrophic plant pathogen <i>Spongospora subterranea</i> . <i>Environmental Microbiology Reports</i> , 2021, 13, 521-532.	2.4	9
41	Understanding the mechanistic basis of adaptation of perennial <i>Sarcocornia quinqueflora</i> species to soil salinity. <i>Physiologia Plantarum</i> , 2021, 172, 1997-2010.	5.2	18
42	Hypoxia-induced increase in GABA content is essential for restoration of membrane potential and preventing ROS-induced disturbance to ion homeostasis. <i>Plant Communications</i> , 2021, 2, 100188.	7.7	47
43	Early responses to salt stress in quinoa genotypes with opposite behavior. <i>Physiologia Plantarum</i> , 2021, 173, 1392-1420.	5.2	10
44	Improving Performance of Salt-Grown Crops by Exogenous Application of Plant Growth Regulators. <i>Biomolecules</i> , 2021, 11, 788.	4.0	46
45	Avenues for biofortification of zinc in barley for human and animal health: a meta-analysis. <i>Plant and Soil</i> , 2021, 466, 101-119.	3.7	5
46	Rewilding crops for climate resilience: economic analysis and <i>de novo</i> domestication strategies. <i>Journal of Experimental Botany</i> , 2021, 72, 6123-6139.	4.8	52
47	Revealing the Role of the Calcineurin B-Like Protein-Interacting Protein Kinase 9 (CIPK9) in Rice Adaptive Responses to Salinity, Osmotic Stress, and K ⁺ Deficiency. <i>Plants</i> , 2021, 10, 1513.	3.5	9
48	Effects of TDP-43 overexpression on neuron proteome and morphology in vitro. <i>Molecular and Cellular Neurosciences</i> , 2021, 114, 103627.	2.2	1
49	Increasing medicinal and phytochemical compounds of coneflower (<i>Echinacea purpurea</i> L.) as affected by NO ₃ ⁻ /NH ₄ ⁺ ratio and perlite particle size in hydroponics. <i>Scientific Reports</i> , 2021, 11, 15202.	3.3	7
50	AFB1 controls rapid auxin signalling through membrane depolarization in <i>Arabidopsis thaliana</i> root. <i>Nature Plants</i> , 2021, 7, 1229-1238.	9.3	59
51	In Planta Transcriptome and Proteome Profiles of <i>Spongospora subterranea</i> in Resistant and Susceptible Host Environments Illuminates Regulatory Principles Underlying Host-Pathogen Interaction. <i>Biology</i> , 2021, 10, 840.	2.8	8
52	Early signalling processes in roots play a crucial role in the differential salt tolerance in contrasting <i>Chenopodium quinoa</i> accessions. <i>Journal of Experimental Botany</i> , 2021, , .	4.8	4
53	Tissue-specificity of ROS-induced K ⁺ and Ca ²⁺ fluxes in succulent stems of the perennial halophyte <i>Sarcocornia quinqueflora</i> in the context of salinity stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 1022-1031.	5.8	7
54	Understanding a Mechanistic Basis of ABA Involvement in Plant Adaptation to Soil Flooding: The Current Standing. <i>Plants</i> , 2021, 10, 1982.	3.5	16

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55	Properties of an acid-tolerant, persistent Cheddar cheese isolate, <i>Lactobacillus paracasei</i> GCRL163. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	0
56	Phosphoinositides: Emerging players in plant salinity stress tolerance. <i>Molecular Plant</i> , 2021, 14, 1973-1975.	8.3	2
57	Mitochondrial respiratory chain function promotes extracellular matrix integrity in cartilage. <i>Journal of Biological Chemistry</i> , 2021, 297, 101224.	3.4	16
58	Proteomic investigation of liver and white muscle in efficient and inefficient Chinook salmon (<i>Oncorhynchus tshawytscha</i>): Fatty acid metabolism and protein turnover drive feed efficiency. <i>Aquaculture</i> , 2021, 542, 736855.	3.5	24
59	Ionomics analysis provides new insights into the co-enrichment of cadmium and zinc in wheat grains. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112623.	6.0	16
60	Arsenic transport and interaction with plant metabolism: Clues for improving agricultural productivity and food safety. <i>Environmental Pollution</i> , 2021, 290, 117987.	7.5	54
61	Protein levels, air pollution and vitamin D deficiency: links with allergy. <i>ERJ Open Research</i> , 2021, 7, 00237-2021.	2.6	0
62	Extracellular vesicle proteomes of two transmissible cancers of Tasmanian devils reveal tenascin-C as a serum-based differential diagnostic biomarker. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 7537-7555.	5.4	6
63	Cell surface and intracellular auxin signalling for H ⁺ fluxes in root growth. <i>Nature</i> , 2021, 599, 273-277.	27.8	128
64	Tissue tolerance mechanisms conferring salinity tolerance in a halophytic perennial species <i>Nitraria sibirica</i> Pall.. <i>Tree Physiology</i> , 2021, 41, 1264-1277.	3.1	22
65	Effects of Potassium Availability on Growth and Development of Barley Cultivars. <i>Agronomy</i> , 2021, 11, 2269.	3.0	6
66	To exclude or to accumulate? Revealing the role of the sodium HKT1;5 transporter in plant adaptive responses to varying soil salinity. <i>Plant Physiology and Biochemistry</i> , 2021, 169, 333-342.	5.8	20
67	Doing "business as usual" comes with a cost: evaluating energy cost of maintaining plant intracellular K ⁺ homeostasis under saline conditions. <i>New Phytologist</i> , 2020, 225, 1097-1104.	7.3	140
68	Energy costs of salt tolerance in crop plants. <i>New Phytologist</i> , 2020, 225, 1072-1090.	7.3	284
69	The energy cost of the tonoplast futile sodium leak. <i>New Phytologist</i> , 2020, 225, 1105-1110.	7.3	86
70	Biochemical pH clamp: the forgotten resource in membrane bioenergetics. <i>New Phytologist</i> , 2020, 225, 37-47.	7.3	33
71	Two of a kind: transmissible Schwann cell cancers in the endangered Tasmanian devil (<i>Sarcophilus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	5.4	28
72	Identification of Key Pro-Survival Proteins in Isolated Colonic Goblet Cells of Winnie, a Murine Model of Spontaneous Colitis. <i>Inflammatory Bowel Diseases</i> , 2020, 26, 80-92.	1.9	5

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73	Comparing Kinetics of Xylem Ion Loading and Its Regulation in Halophytes and Glycophytes. <i>Plant and Cell Physiology</i> , 2020, 61, 403-415.	3.1	22
74	Stomatal traits as a determinant of superior salinity tolerance in wild barley. <i>Journal of Plant Physiology</i> , 2020, 245, 153108.	3.5	41
75	A heme-binding protein produced by <i>Haemophilus haemolyticus</i> inhibits non-typeable <i>Haemophilus influenzae</i> . <i>Molecular Microbiology</i> , 2020, 113, 381-398.	2.5	18
76	Phylogenetic Diversity and Physiological Roles of Plant Monovalent Cation/H ⁺ Antiporters. <i>Frontiers in Plant Science</i> , 2020, 11, 573564.	3.6	45
77	NADPH oxidases and the evolution of plant salinity tolerance. <i>Plant, Cell and Environment</i> , 2020, 43, 2957-2968.	5.7	49
78	What makes a plant science manuscript successful for publication?. <i>Functional Plant Biology</i> , 2020, 47, 1138.	2.1	3
79	Lipid kinases PIP5K7 and PIP5K9 are required for polyamine-triggered K ⁺ efflux in <i>Arabidopsis</i> roots. <i>Plant Journal</i> , 2020, 104, 416-432.	5.7	28
80	The proteomic response is linked to regional lung volumes in ventilator-induced lung injury. <i>Journal of Applied Physiology</i> , 2020, 129, 837-845.	2.5	6
81	Changes in Expression Level of OsHKT1;5 Alters Activity of Membrane Transporters Involved in K ⁺ and Ca ²⁺ Acquisition and Homeostasis in Salinized Rice Roots. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4882.	4.1	23
82	Optimisation of Sporosori Purification and Protein Extraction Techniques for the Biotrophic Protozoan Plant Pathogen <i>Spongospora subterranea</i> . <i>Molecules</i> , 2020, 25, 3109.	3.8	9
83	A simple apparatus for electrokinetic removal of sodium dodecyl sulfate from protein digests. <i>Journal of Chromatography A</i> , 2020, 1628, 461443.	3.7	1
84	Candidate genes for salinity tolerance in barley revealed by RNA-seq analysis of near-isogenic lines. <i>Plant Growth Regulation</i> , 2020, 92, 571-582.	3.4	14
85	Leaf mesophyll K ⁺ and Cl ⁻ fluxes and reactive oxygen species production predict rice salt tolerance at reproductive stage in greenhouse and field conditions. <i>Plant Growth Regulation</i> , 2020, 92, 53-64.	3.4	18
86	Understanding the role of root-related traits in salinity tolerance of quinoa accessions with contrasting epidermal bladder cell patterning. <i>Planta</i> , 2020, 251, 103.	3.2	14
87	Homology Modeling Identifies Crucial Amino-Acid Residues That Confer Higher Na ⁺ Transport Capacity of OcHKT1;5 from <i>Oryza coarctata</i> Roxb. <i>Plant and Cell Physiology</i> , 2020, 61, 1321-1334.	3.1	23
88	Calcium-Dependent Hydrogen Peroxide Mediates Hydrogen-Rich Water-Reduced Cadmium Uptake in Plant Roots. <i>Plant Physiology</i> , 2020, 183, 1331-1344.	4.8	34
89	Mechanisms of Plant Responses and Adaptation to Soil Salinity. <i>Innovation(China)</i> , 2020, 1, 100017.	9.1	387
90	Developing and validating protocols for mechanical isolation of guard-cell enriched epidermal peels for omics studies. <i>Functional Plant Biology</i> , 2020, 47, 803.	2.1	8

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91	Ablation of the miRNA Cluster 24 Has Profound Effects on Extracellular Matrix Protein Abundance in Cartilage. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4112.	4.1	5
92	Melatonin improves rice salinity stress tolerance by <i>NADPH</i> oxidase-dependent control of the plasma membrane K^{+} transporters and K^{+} homeostasis. <i>Plant, Cell and Environment</i> , 2020, 43, 2591-2605.	5.7	93
93	Prospects for the accelerated improvement of the resilient crop quinoa. <i>Journal of Experimental Botany</i> , 2020, 71, 5333-5347.	4.8	49
94	Understanding Mechanisms of Salinity Tolerance in Barley by Proteomic and Biochemical Analysis of Near-Isogenic Lines. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1516.	4.1	45
95	Function of NHX-type transporters in improving rice tolerance to aluminum stress and soil acidity. <i>Planta</i> , 2020, 251, 71.	3.2	23
96	Prolonged Heat Stress of <i>Lactobacillus paracasei</i> GCRL163 Improves Binding to Human Colorectal Adenocarcinoma HT-29 Cells and Modulates the Relative Abundance of Secreted and Cell Surface-Located Proteins. <i>Journal of Proteome Research</i> , 2020, 19, 1824-1846.	3.7	7
97	Reducing Cadmium Accumulation in Plants: Structure-Function Relations and Tissue-Specific Operation of Transporters in the Spotlight. <i>Plants</i> , 2020, 9, 223.	3.5	88
98	GORK Channel: A Master Switch of Plant Metabolism?. <i>Trends in Plant Science</i> , 2020, 25, 434-445.	8.8	73
99	Identification of new QTL for salt tolerance from rice variety Pokkali. <i>Journal of Agronomy and Crop Science</i> , 2020, 206, 202-213.	3.5	31
100	Linking phytohormones with growth, transport activity and metabolic responses to cadmium in tomato. <i>Plant Growth Regulation</i> , 2020, 90, 557-569.	3.4	7
101	Distinct Evolutionary Origins of Intron Retention Splicing Events in NHX1 Antiporter Transcripts Relate to Sequence Specific Distinctions in <i>Oryza</i> Species. <i>Frontiers in Plant Science</i> , 2020, 11, 267.	3.6	16
102	Back to the Wild: On a Quest for Donors Toward Salinity Tolerant Rice. <i>Frontiers in Plant Science</i> , 2020, 11, 323.	3.6	54
103	Sugar Beet (<i>Beta vulgaris</i>) Guard Cells Responses to Salinity Stress: A Proteomic Analysis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2331.	4.1	16
104	Modulation of Ion Transport Across Plant Membranes by Polyamines: Understanding Specific Modes of Action Under Stress. <i>Frontiers in Plant Science</i> , 2020, 11, 616077.	3.6	21
105	Linking sensitivity of photosystem II to UV-B with chloroplast ultrastructure and UV-B absorbing pigments contents in <i>A. thaliana</i> L. phyAphyB double mutants. <i>Plant Growth Regulation</i> , 2020, 91, 13-21.	3.4	13
106	Crop Halophytism: An Environmentally Sustainable Solution for Global Food Security. <i>Trends in Plant Science</i> , 2020, 25, 630-634.	8.8	77
107	The State of the Art in Modeling Waterlogging Impacts on Plants: What Do We Know and What Do We Need to Know. <i>Earth's Future</i> , 2020, 8, e2020EF001801.	6.3	49
108	Hydrogen-rich water promotes elongation of hypocotyls and roots in plants through mediating the level of endogenous gibberellin and auxin. <i>Functional Plant Biology</i> , 2020, 47, 771.	2.1	15

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109	Control of xylem Na ⁺ loading and transport to the shoot in rice and barley as a determinant of differential salinity stress tolerance. <i>Physiologia Plantarum</i> , 2019, 165, 619-631.	5.2	50
110	An RNA-binding protein MUG13.4 interacts with AtAGO2 to modulate salinity tolerance in Arabidopsis. <i>Plant Science</i> , 2019, 288, 110218.	3.6	9
111	Genomic regions on chromosome 5H containing a novel QTL conferring barley yellow dwarf virus-PAV (BYDV-PAV) tolerance in barley. <i>Scientific Reports</i> , 2019, 9, 11298.	3.3	11
112	GABA operates upstream of H ⁺ -ATPase and improves salinity tolerance in Arabidopsis by enabling cytosolic K ⁺ retention and Na ⁺ exclusion. <i>Journal of Experimental Botany</i> , 2019, 70, 6349-6361.	4.8	73
113	Tissue-specific respiratory burst oxidase homolog-dependent H ₂ O ₂ signaling to the plasma membrane H ⁺ -ATPase confers potassium uptake and salinity tolerance in Cucurbitaceae. <i>Journal of Experimental Botany</i> , 2019, 70, 5879-5893.	4.8	90
114	Tissue-Specific Regulation of Na ⁺ and K ⁺ Transporters Explains Genotypic Differences in Salinity Stress Tolerance in Rice. <i>Frontiers in Plant Science</i> , 2019, 10, 1361.	3.6	67
115	A large-scale screening of quinoa accessions reveals an important role of epidermal bladder cells and stomatal patterning in salinity tolerance. <i>Environmental and Experimental Botany</i> , 2019, 168, 103885.	4.2	39
116	Extracellular Spermine Triggers a Rapid Intracellular Phosphatidic Acid Response in Arabidopsis, Involving PLD β Activation and Stimulating Ion Flux. <i>Frontiers in Plant Science</i> , 2019, 10, 601.	3.6	19
117	Root vacuolar Na ⁺ sequestration but not exclusion from uptake correlates with barley salt tolerance. <i>Plant Journal</i> , 2019, 100, 55-67.	5.7	80
118	Plants Grown in Parafilm-Wrapped Petri Dishes Are Stressed and Possess Altered Gene Expression Profile. <i>Frontiers in Plant Science</i> , 2019, 10, 637.	3.6	14
119	Microhair on the adaxial leaf surface of salt secreting halophytic <i>Oryza coarctata</i> Roxb. show distinct morphotypes: Isolation for molecular and functional analysis. <i>Plant Science</i> , 2019, 285, 248-257.	3.6	16
120	Extracellular silica nanocoat formed by layer-by-layer (LBL) self-assembly confers aluminum resistance in root border cells of pea (<i>Pisum sativum</i>). <i>Journal of Nanobiotechnology</i> , 2019, 17, 53.	9.1	15
121	Dark metabolism: a molecular insight into how the Antarctic sea-ice diatom <i>Fragilariopsis cylindrus</i> survives long-term darkness. <i>New Phytologist</i> , 2019, 223, 675-691.	7.3	40
122	Soil and Crop Management Practices to Minimize the Impact of Waterlogging on Crop Productivity. <i>Frontiers in Plant Science</i> , 2019, 10, 140.	3.6	120
123	Identification of QTL Related to ROS Formation under Hypoxia and Their Association with Waterlogging and Salt Tolerance in Barley. <i>International Journal of Molecular Sciences</i> , 2019, 20, 699.	4.1	42
124	Developing a high-throughput phenotyping method for oxidative stress tolerance in barley roots. <i>Plant Methods</i> , 2019, 15, 12.	4.3	16
125	Linking ploidy level with salinity tolerance: NADPH-dependent $\text{H}^+\text{-ROS-Ca}^{2+}$ hub in the spotlight. <i>Journal of Experimental Botany</i> , 2019, 70, 1063-1067.	4.8	20
126	Friend or Foe? Chloride Patterning in Halophytes. <i>Trends in Plant Science</i> , 2019, 24, 142-151.	8.8	49

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127	Understanding physiological and morphological traits contributing to drought tolerance in barley. <i>Journal of Agronomy and Crop Science</i> , 2019, 205, 129-140.	3.5	34
128	Liver proteome response of pre-harvest Atlantic salmon following exposure to elevated temperature. <i>BMC Genomics</i> , 2018, 19, 133.	2.8	43
129	Fractionation of Dissolved Organic Matter on Coupled Reversed-Phase Monolithic Columns and Characterisation Using Reversed-Phase Liquid Chromatography-High Resolution Mass Spectrometry. <i>Chromatographia</i> , 2018, 81, 203-213.	1.3	11
130	Chronic β -adrenoceptor agonist treatment alters muscle proteome and functional adaptations induced by high intensity training in young men. <i>Journal of Physiology</i> , 2018, 596, 231-252.	2.9	41
131	A multiple near isogenic line (multi-NIL) RNA-seq approach to identify candidate genes underpinning QTL. <i>Theoretical and Applied Genetics</i> , 2018, 131, 613-624.	3.6	30
132	Transcriptome and proteome profiling reveals stress-induced expression signatures of imiquimod-treated Tasmanian devil facial tumor disease (DFTD) cells. <i>Oncotarget</i> , 2018, 9, 15895-15914.	1.8	13
133	Understanding the Molecular Basis of Salt Sequestration in Epidermal Bladder Cells of <i>Chenopodium quinoa</i> . <i>Current Biology</i> , 2018, 28, 3075-3085.e7.	3.9	98
134	Proteomic analysis of <i>Lactobacillus casei</i> GCRL163 cell-free extracts reveals a SecB homolog and other biomarkers of prolonged heat stress. <i>PLoS ONE</i> , 2018, 13, e0206317.	2.5	15
135	Effects of exogenously-applied L-ascorbic acid on root expansive growth and viability of the border-like cells. <i>Plant Signaling and Behavior</i> , 2018, 13, e1514895.	2.4	5
136	Multi-lumen capillary based trypsin micro-reactor for the rapid digestion of proteins. <i>Analyst</i> , The, 2018, 143, 4944-4953.	3.5	11
137	Temporal changes in soil properties and physiological characteristics of <i>Atriplex</i> species and <i>Medicago arborea</i> grown in different soil types under saline irrigation. <i>Plant and Soil</i> , 2018, 432, 315-331.	3.7	4
138	Boron Alleviates Aluminum Toxicity by Promoting Root Alkalization in Transition Zone via Polar Auxin Transport. <i>Plant Physiology</i> , 2018, 177, 1254-1266.	4.8	65
139	Revealing mechanisms of salinity tissue tolerance in succulent halophytes: a case study for <i>Carpobrotus rossi</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 2654-2667.	5.7	33
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