Timothy D Colmer

List of Publications by Year
in descending order

242 papers	20,413 citations	10986 71 h-index	12597 132 g-index
246 all docs	246 docs citations	246 times ranked	13821 citing authors

#	Article	IF	Citations
1	Dryland field validation of genotypic variation in salt tolerance of chickpea (Cicer arietinum L.) determined under controlled conditions. Field Crops Research, 2022, 276, 108392.	5.1	5
2	Salt tolerance in relation to elemental concentrations in leaf cell vacuoles and chloroplasts of a C₄ monocotyledonous halophyte. Plant, Cell and Environment, 2022, 45, 1490-1506.	5.7	11
3	Plant responses to heterogeneous salinity: agronomic relevance and research priorities. Annals of Botany, 2022, 129, 499-518.	2.9	13
4	Lateral roots, in addition to adventitious roots, form a barrier to radial oxygen loss in Zea nicaraguensis and a chromosome segment introgression line in maize. New Phytologist, 2021, 229, 94-105.	7.3	35
5	Root length is proxy for high-throughput screening of waterlogging tolerance in Urochloa spp. grasses. Functional Plant Biology, 2021, 48, 411.	2.1	8
6	Na+ and/or Clâ¯ Toxicities Determine Salt Sensitivity in Soybean (Glycine max (L.) Merr.), Mungbean (Vigna radiata (L.) R. Wilczek), Cowpea (Vigna unguiculata (L.) Walp.), and Common Bean (Phaseolus) Tj ETQq0 0 0 rgBT /Overlock 10 T	4.1	16
7	The barrier to radial oxygen loss impedes the apoplastic entry of iron into the roots ofUrochloa humidicola. Journal of Experimental Botany, 2021, 72, 3279-3293.	4.8	16
8	Novel Salinity Tolerance Loci in Chickpea Identified in Glasshouse and Field Environments. Frontiers in Plant Science, 2021, 12, 667910.	3.6	20
9	Tolerance of four grain legume species to waterlogging, hypoxia and anoxia at germination and recovery. AoB PLANTS, 2021, 13, plab052.	2.3	5
10	Response of Mungbean (cvs. Celera II-AU and Jade-AU) and Blackgram (cv. Onyx-AU) to Transient Waterlogging. Frontiers in Plant Science, 2021, 12, 709102.	3.6	10
11	Regulation of root adaptive anatomical and morphological traits during low soil oxygen. New Phytologist, 2021, 229, 42-49.	7.3	134
12	The genetics of vigour-related traits in chickpea (Cicer arietinum L.): insights from genomic data. Theoretical and Applied Genetics, 2021, 135, 107.	3.6	4
13	Osmotic adjustment and energy limitations to plant growth in saline soil. New Phytologist, 2020, 225, 1091-1096.	7.3	245
14	Approaches to scheduling water allocations to kikuyugrass grown on a water repellent soil in a drying-climate. Agricultural Water Management, 2020, 230, 105957.	5.6	4
15	Root O₂ consumption, CO₂ production and tissue concentration profiles in chickpea, as influenced by environmental hypoxia. New Phytologist, 2020, 226, 373-384.	7.3	17
16	Drivers of plant traits that allow survival in wetlands. Functional Ecology, 2020, 34, 956-967.	3.6	26
17	Improving crop salt tolerance using transgenic approaches: An update and physiological analysis. Plant, Cell and Environment, 2020, 43, 2932-2956.	5.7	70
18	Global patterns of the leaf economics spectrum in wetlands. Nature Communications, 2020, 11, 4519.	12.8	29

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19	Submergence tolerance and recovery in Lotus: Variation among fifteen accessions in response to partial and complete submergence. Journal of Plant Physiology, 2020, 249, 153180.	3.5	3
20	Waterlogging differentially affects yield and its components in wheat, barley, rapeseed and field pea depending on the timing of occurrence. Journal of Agronomy and Crop Science, 2020, 206, 363-375.	3.5	23
21	Crossâ€tolerance for drought, heat and salinity stresses in chickpea (Cicer arietinum L.). Journal of Agronomy and Crop Science, 2020, 206, 405-419.	3.5	23
22	Waterlogging tolerance of grass pea (Lathyrus sativus L.) at germination related to country of origin. Experimental Agriculture, 2020, 56, 837-850.	0.9	9
23	Tolerance to partial and complete submergence in the forage legumeMelilotus siculus: an evaluation of 15 accessions for petiole hyponastic response and gas-filled spaces, leaf hydrophobicity and gas films, and root phellem. Annals of Botany, 2019, 123, 169-180.	2.9	22
24	Tolerance and recovery of the annual pasture legumes Melilotus siculus, Trifolium michelianum and Medicago polymorpha to soil salinity, soil waterlogging and the combination of these stresses. Plant and Soil, 2019, 444, 267-280.	3.7	12
25	Diel O2 Dynamics in Partially and Completely Submerged Deepwater Rice: Leaf Gas Films Enhance Internodal O2 Status, Influence Gene Expression and Accelerate Stem Elongation for â€˜Snorkellingâ€™ during Submergence. Plant and Cell Physiology, 2019, 60, 973-985.	3.1	16
26	Salinity tolerance in chickpea is associated with the ability to â€˜excludeâ€™ Na from leaf mesophyll cells. Journal of Experimental Botany, 2019, 70, 4991-5002.	4.8	38
27	Root-zone hypoxia reduces growth of the tropical forage grass Urochloa humidicola in high-nutrient but not low-nutrient conditions. Annals of Botany, 2019, 124, 1019-1032.	2.9	19
28	Resequencing of 429 chickpea accessions from 45 countries provides insights into genome diversity, domestication and agronomic traits. Nature Genetics, 2019, 51, 857-864.	21.4	219
29	Rice acclimation to soil flooding: Low concentrations of organic acids can trigger a barrier to radial oxygen loss in roots. Plant, Cell and Environment, 2019, 42, 2183-2197.	5.7	41
30	Tolerance of roots to low oxygen: â€˜Anoxicâ€™ cores, the phytoglobin-nitric oxide cycle, and energy or oxygen sensing. Journal of Plant Physiology, 2019, 239, 92-108.	3.5	43
31	Friend or Foe? Chloride Patterning in Halophytes. Trends in Plant Science, 2019, 24, 142-151.	8.8	49
32	Root phenotypes of dwarf and â€œovergrowthâ€•SLN1 barley mutants, and implications for hypoxic stress tolerance. Journal of Plant Physiology, 2019, 234-235, 60-70.	3.5	11
33	Oxygen loss from seagrass roots coincides with colonisation of sulphide-oxidising cable bacteria and reduces sulphide stress. ISME Journal, 2019, 13, 707-719.	9.8	89
34	Sensitivity of chickpea and faba bean to rootâ€zone hypoxia, elevated ethylene, and carbon dioxide. Plant, Cell and Environment, 2019, 42, 85-97.	5.7	15
35	Rice leaf hydrophobicity and gas films are conferred by a wax synthesis gene (<scp>LGF</scp>1) and contribute to flood tolerance. New Phytologist, 2018, 218, 1558-1569.	7.3	68
36	Waterlogging tolerance, tissue nitrogen and oxygen transport in the forage legume Melilotus siculus: a comparison of nodulated and nitrate-fed plants. Annals of Botany, 2018, 121, 699-709.	2.9	19

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37	Leaf gas films contribute to rice (Oryza sativa) submergence tolerance during saline floods. Plant, Cell and Environment, 2018, 41, 885-897.	5.7	13
38	Salinization of the soil solution decreases the further accumulation of salt in the root zone of the halophyte <scp>Atriplex nummularia</scp> Lindl. growing above shallow saline groundwater. Plant, Cell and Environment, 2018, 41, 99-110.	5.7	25
39	Regulation of Root Traits for Internal Aeration and Tolerance to Soil Waterlogging-Flooding Stress. Plant Physiology, 2018, 176, 1118-1130.	4.8	218
40	Waterlogging of Winter Crops at Early and Late Stages: Impacts on Leaf Physiology, Growth and Yield. Frontiers in Plant Science, 2018, 9, 1863.	3.6	108
41	Investigating Drought Tolerance in Chickpea Using Genome-Wide Association Mapping and Genomic Selection Based on Whole-Genome Resequencing Data. Frontiers in Plant Science, 2018, 9, 190.	3.6	111
42	CO2 and O2 dynamics in leaves of aquatic plants with C3 or CAM photosynthesis â€“ application of a novel CO2 microsensor. Annals of Botany, 2018, 122, 605-615.	2.9	15
43	Physiological Adaptations to Wetland Habitats. , 2018, , 383-394.		0
44	Revealing the roles of GORK channels and NADPH oxidase in acclimation to hypoxia in Arabidopsis. Journal of Experimental Botany, 2017, 68, erw378.	4.8	46
45	Response of chickpea (Cicer arietinumL.) to terminal drought: leaf stomatal conductance, pod abscisic acid concentration, and seed set. Journal of Experimental Botany, 2017, 68, erw153.	4.8	67
46	Flooding tolerance of forage legumes. Journal of Experimental Botany, 2017, 68, erw239.	4.8	78
47	Evaluation of root porosity and radial oxygen loss of disomic addition lines of Hordeum marinum in wheat. Functional Plant Biology, 2017, 44, 400.	2.1	9
48	Community recommendations on terminology and procedures used in flooding and low oxygen stress research. New Phytologist, 2017, 214, 1403-1407.	7.3	146
49	A Review of Warmâ€Season Turfgrass Evapotranspiration, Responses to Deficit Irrigation, and Drought Resistance. Crop Science, 2017, 57, S-98.	1.8	26
50	Anatomical and biochemical characterisation of a barrier to radial O2 loss in adventitious roots of two contrasting Hordeum marinum accessions. Functional Plant Biology, 2017, 44, 845.	2.1	28
51	Uptake of inorganic phosphorus by the aquatic plant Isoetes australis inhabiting oligotrophic vernal rock pools. Aquatic Botany, 2017, 138, 64-73.	1.6	5
52	Vegetative and reproductive growth of salt-stressed chickpea are carbon-limited: sucrose infusion at the reproductive stage improves salt tolerance. Journal of Experimental Botany, 2017, 68, 2001-2011.	4.8	54
53	Hydraulic redistribution: limitations for plants in saline soils. Plant, Cell and Environment, 2017, 40, 2437-2446.	5.7	14
54	A major locus involved in the formation of the radial oxygen loss barrier in adventitious roots of teosinte Zea nicaraguensis is located on the shortâ€arm of chromosome 3. Plant, Cell and Environment, 2017, 40, 304-316.	5.7	58

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55	Energetics of acclimation to NaCl by submerged, anoxic rice seedlings. Annals of Botany, 2017, 119, 129-142.	2.9	13
56	Pattern of Water Use and Seed Yield under Terminal Drought in Chickpea Genotypes. Frontiers in Plant Science, 2017, 8, 1375.	3.6	34
57	Leaf gas films, underwater photosynthesis and plant species distributions in a flood gradient. Plant, Cell and Environment, 2016, 39, 1537-1548.	5.7	33
58	Photosynthetic response to globally increasing CO₂ of coâ€occurring temperate seagrass species. Plant, Cell and Environment, 2016, 39, 1240-1250.	5.7	54
59	Mechanisms of waterlogging tolerance in wheat â€“ a review of root and shoot physiology. Plant, Cell and Environment, 2016, 39, 1068-1086.	5.7	229
60	Tissue tolerance: an essential but elusive trait for salt-tolerant crops. Functional Plant Biology, 2016, 43, 1103.	2.1	162
61	Spectral detection of stress-related pigments in salt-lake succulent halophytic shrubs. International Journal of Applied Earth Observation and Geoinformation, 2016, 52, 457-463.	2.8	3
62	Neglecting legumes has compromised human health and sustainable food production. Nature Plants, 2016, 2, 16112.	9.3	529
63	Salinity tolerances of three succulent halophytes (Tecticornia spp.) differentially distributed along a salinity gradient. Functional Plant Biology, 2016, 43, 739.	2.1	13
64	Salt sensitivity in chickpea is determined by sodium toxicity. Planta, 2016, 244, 623-637.	3.2	30
65	Heat stress of two tropical seagrass species during low tides â€“ impact on underwater net photosynthesis, dark respiration and diel inÂsitu internal aeration. New Phytologist, 2016, 210, 1207-1218.	7.3	101
66	Tissue-specific root ion profiling reveals essential roles of the CAX and ACA calcium transport systems in response to hypoxia in Arabidopsis. Journal of Experimental Botany, 2016, 67, 3747-3762.	4.8	60
67	Life at the boundary: photosynthesis at the soilâ€“fluid interface. A synthesis focusing on mosses: Table 1.. Journal of Experimental Botany, 2016, 67, 1613-1623.	4.8	15
68	Physiological Adaptations to Wetland Habitats. , 2016, , 1-12.		0
69	Oxygen deficiency and salinity affect cellâ€specific ion concentrations in adventitious roots of barley (<scp>H</scp>ordeum vulgare). New Phytologist, 2015, 208, 1114-1125.	7.3	59
70	Two key genomic regions harbour QTLs for salinity tolerance in ICCV 2â€‰Ã—â€‰JG 11 derived chickpea (Cicer) Tj ETQq0 0 0 rgBT /Ov	3.6	67
71	Salt sensitivity in chickpea: Growth, photosynthesis, seed yield components and tissue ion regulation in contrasting genotypes. Journal of Plant Physiology, 2015, 182, 1-12.	3.5	92
72	Contrasting submergence tolerance in two species of stem-succulent halophytes is not determined by differences in stem internal oxygen dynamics. Annals of Botany, 2015, 115, 409-418.	2.9	6

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73	Salt sensitivity in chickpea (<scp>C</scp>icer arietinumâ€¦<scp>L</scp>.): ions in reproductive tissues and yield components in contrasting genotypes. Plant, Cell and Environment, 2015, 38, 1565-1577.	5.7	69
74	Waterlogging tolerance is associated with root porosity in barley (Hordeum vulgare L.). Molecular Breeding, 2015, 35, 1.	2.1	58
75	Plant salt tolerance: adaptations in halophytes. Annals of Botany, 2015, 115, 327-331.	2.9	553
76	Spatio-temporal relief from hypoxia and production of reactive oxygen species during bud burst in grapevine (Vitis vinifera). Annals of Botany, 2015, 116, 703-711.	2.9	44
77	Effect of Timing and Duration of Soil Saturation on Soilborne Pythium Diseases of Common Bean (Phaseolus vulgaris). Plant Disease, 2015, 99, 112-118.	1.4	18
78	Efficient use of energy in anoxiaâ€tolerant plants with focus on germinating rice seedlings. New Phytologist, 2015, 206, 36-56.	7.3	42
79	Sodium chloride toxicity and the cellular basis of salt tolerance in halophytes. Annals of Botany, 2015, 115, 419-431.	2.9	516
80	Growth responses of Melilotus siculus accessions to combined salinity and root-zone hypoxia are correlated with differences in tissue ion concentrations and not differences in root aeration. Environmental and Experimental Botany, 2015, 109, 89-98.	4.2	27
81	Effects of organic acids on the formation of the barrier to radial oxygen loss in roots of Hordeum marinum. Functional Plant Biology, 2014, 41, 187.	2.1	24
82	Gas film retention and underwater photosynthesis during field submergence of four contrasting rice genotypes. Journal of Experimental Botany, 2014, 65, 3225-3233.	4.8	64
83	Leaf gas films delay salt entry and enhance underwater photosynthesis and internal aeration of <scp>M</scp>elilotus siculus submerged in saline water. Plant, Cell and Environment, 2014, 37, 2339-2349.	5.7	16
84	Variable response of three Trifolium repens ecotypes to soil flooding by seawater. Annals of Botany, 2014, 114, 347-355.	2.9	22
85	Physiological Mechanisms of Flooding Tolerance in Rice: Transient Complete Submergence and Prolonged Standing Water. Progress in Botany Fortschritte Der Botanik, 2014, , 255-307.	0.3	30
86	Linking oxygen availability with membrane potential maintenance and <scp><scp>K</scp>⁺</scp> retention of barley roots: implications for waterlogging stress tolerance. Plant, Cell and Environment, 2014, 37, 2325-2338.	5.7	45
87	The mechanism of improved aeration due to gas films on leaves of submerged rice. Plant, Cell and Environment, 2014, 37, 2433-2452.	5.7	37
88	Responses of rice to Fe2+ in aerated and stagnant conditions: growth, root porosity and radial oxygen loss barrier. Functional Plant Biology, 2014, 41, 922.	2.1	34
89	Drought tolerances of three stem-succulent halophyte species of an inland semiarid salt lake system. Functional Plant Biology, 2014, 41, 1230.	2.1	13
90	Characterization of the multigene family TaHKT 2;1 in bread wheat and the role of gene members in plant Na+ and K+status. BMC Plant Biology, 2014, 14, 159.	3.6	18

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91	Salt accumulation and depletion in the root-zone of the halophyte Atriplex nummularia Lindl.: influence of salinity, leaf area and plant water use. Plant and Soil, 2014, 382, 31-41.	3.7	9
92	Adaptation of Rice to Flooded Soils. Progress in Botany Fortschritte Der Botanik, 2014, , 215-253.	0.3	27
93	Microarray analysis of laser-microdissected tissues indicates the biosynthesis of suberin in the outer part of roots during formation of a barrier to radial oxygen loss in rice (Oryza sativa). Journal of Experimental Botany, 2014, 65, 4795-4806.	4.8	83
94	Plant tolerance of flooding stress â€“ recent advances. Plant, Cell and Environment, 2014, 37, 2211-2215.	5.7	90
95	Visualisation by high resolution synchrotron X-ray phase contrast micro-tomography of gas films on submerged superhydrophobic leaves. Journal of Structural Biology, 2014, 188, 61-70.	2.8	15
96	Aerenchyma Formation in Plants. Plant Cell Monographs, 2014, , 247-265.	0.4	55
97	Underwater Photosynthesis and Internal Aeration of Submerged Terrestrial Wetland Plants. Plant Cell Monographs, 2014, , 315-327.	0.4	3
98	Shoot atmospheric contact is of little importance to aeration of deeper portions of the wetland plant Meionectes brownii; submerged organs mainly acquire O₂ from the water column or produce it endogenously in underwater photosynthesis. Plant, Cell and Environment, 2013, 36, 213-223.	5.7	22
99	Salinity tolerance and ion accumulation in chickpea (Cicer arietinum L.) subjected to salt stress. Plant and Soil, 2013, 365, 347-361.	3.7	88
100	Internal aeration of paddy field rice (<scp>O</scp>ryza sativa) during complete submergence â€“ importance of light and floodwater <scp>O</scp>₂. New Phytologist, 2013, 197, 1193-1203.	7.3	96
101	Tolerance of submerged germinating rice to 50â€“200â€‰<scp>mM NaCl</scp> in aerated solution. Physiologia Plantarum, 2013, 149, 222-233.	5.2	14
102	Differential tolerance to combined salinity and O2 deficiency in the halophytic grasses Puccinellia ciliata and Thinopyrum ponticum: The importance of K+ retention in roots. Environmental and Experimental Botany, 2013, 87, 69-78.	4.2	53
103	Oxygen dynamics in a salt-marsh soil and in Suaeda maritima during tidal submergence. Environmental and Experimental Botany, 2013, 92, 73-82.	4.2	36
104	Opportunistic Mediterranean agriculture â€“ Using ephemeral pasture legumes to utilize summer rainfall. Agricultural Systems, 2013, 120, 76-84.	6.1	5
105	Tolerance of extreme salinity in two stem-succulent halophytes (Tecticornia species). Functional Plant Biology, 2013, 40, 897.	2.1	46
106	Improvement of salt and waterlogging tolerance in wheat: comparative physiology of Hordeum marinum-Triticum aestivum amphiploids with their H. marinum and wheat parents. Functional Plant Biology, 2013, 40, 1168.	2.1	18
107	Underwater Photosynthesis of Submerged Plants â€“ Recent Advances and Methods. Frontiers in Plant Science, 2013, 4, 140.	3.6	206
108	pH regulation in anoxic rice coleoptiles at pH 3.5: biochemical pHstats and net H+ influx in the absence and presence of NO3â^'. Journal of Experimental Botany, 2012, 63, 1969-1983.	4.8	11

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109	Plant responses to heterogeneous salinity: growth of the halophyte Atriplex nummularia is determined by the root-weighted mean salinity of the root zone. Journal of Experimental Botany, 2012, 63, 6347-6358.	4.8	56
110	Physical gills prevent drowning of many wetland insects, spiders and plants. Journal of Experimental Biology, 2012, 215, 705-709.	1.7	41
111	Aquatic adventitious root development in partially and completely submerged wetland plants Cotula coronopifolia and Meionectes brownii. Annals of Botany, 2012, 110, 405-414.	2.9	45
112	Assessment of ICCV 2ÂÃ—ÂJG 62 chickpea progenies shows sensitivity of reproduction to salt stress and reveals QTL for seed yield and yield components. Molecular Breeding, 2012, 30, 9-21.	2.1	90
113	Plant growth and physiology under heterogeneous salinity. Plant and Soil, 2012, 354, 1-19.	3.7	98
114	Microsite and litter cover effects on seed banks vary with seed size and dispersal mechanisms: implications for revegetation of degraded saline land. Plant Ecology, 2012, 213, 1145-1155.	1.6	14
115	A GmAOX2b antisense gene compromises vegetative growth and seed production in soybean. Planta, 2012, 236, 199-207.	3.2	19
116	Root aeration via aerenchymatous phellem: threeâ€dimensional microâ€imaging and radial O₂ profiles in Melilotus siculus. New Phytologist, 2012, 193, 420-431.	7.3	58
117	Large number of flowers and tertiary branches, and higher reproductive success increase yields under salt stress in chickpea. European Journal of Agronomy, 2012, 41, 42-51.	4.1	48
118	Comparisons of annual pasture legumes in growth, ion regulation and root porosity demonstrate that Melilotus siculus has exceptional tolerance to combinations of salinity and waterlogging. Environmental and Experimental Botany, 2012, 77, 175-184.	4.2	29
119	Enhanced formation of aerenchyma and induction of a barrier to radial oxygen loss in adventitious roots of Zea nicaraguensis contribute to its waterlogging tolerance as compared with maize (Zea mays ssp. mays). Plant, Cell and Environment, 2012, 35, 1618-1630.	5.7	170
120	Phenotypic variation for productivity and drought tolerance is widespread in germplasm collections of Australian Cullen species. Crop and Pasture Science, 2012, 63, 656.	1.5	7
121	Ameliorating water repellency under turfgrass of contrasting soil organic matter content: Effect of wetting agent formulation and application frequency. Agricultural Water Management, 2011, 99, 1-7.	5.6	12
122	Salinity and waterlogging tolerance amongst accessions of messina (Melilotus siculus). Crop and Pasture Science, 2011, 62, 225.	1.5	34
123	Salinity drives host reaction in Phaseolus vulgaris (common bean) to Macrophomina phaseolina. Functional Plant Biology, 2011, 38, 984.	2.1	28
124	Leaf gas films of Spartina anglica enhance rhizome and root oxygen during tidal submergence. Plant, Cell and Environment, 2011, 34, 2083-2092.	5.7	55
125	Transfer of the barrier to radial oxygen loss in roots of Hordeum marinum to wheat (Triticum aestivum): evaluation of four H.â€ƒmarinumâ€“wheat amphiploids. New Phytologist, 2011, 190, 499-508.	7.3	60
126	Crassulacean acid metabolism enhances underwater photosynthesis and diminishes photorespiration in the aquatic plant Isoetes australis. New Phytologist, 2011, 190, 332-339.	7.3	40

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127	Aquatic adventitious roots of the wetland plant Meionectes brownii can photosynthesize: implications for root function during flooding. New Phytologist, 2011, 190, 311-319.	7.3	32
128	Aerenchymatous phellem in hypocotyl and roots enables O₂ transport in Melilotus siculus. New Phytologist, 2011, 190, 340-350.	7.3	42
129	Pattern of solutes accumulated during leaf osmotic adjustment as related to duration of water deficit for wheat at the reproductive stage. Plant Physiology and Biochemistry, 2011, 49, 1126-1137.	5.8	63
130	Salt sensitivity of the vegetative and reproductive stages in chickpea (Cicer arietinum L.): Podding is a particularly sensitive stage. Environmental and Experimental Botany, 2011, 71, 260-268.	4.2	86
131	Estimation of genetic components of variation for salt tolerance in chickpea using the generation mean analysis. Euphytica, 2011, 182, 73.	1.2	5
132	Prioritisation of novel pasture species for use in water-limited agriculture: a case study of Cullen in the Western Australian wheatbelt. Genetic Resources and Crop Evolution, 2011, 58, 83-100.	1.6	32
133	Granular wetting agents ameliorate water repellency in turfgrass of contrasting soil organic matter content. Plant and Soil, 2011, 348, 411-424.	3.7	17
134	Microsite and litter cover effects on soil conditions and seedling recruitment in a saline agricultural system. Plant and Soil, 2011, 348, 397-409.	3.7	4
135	Salinity and waterlogging tolerances in three stem-succulent halophytes (Tecticornia species) from the margins of ephemeral salt lakes. Plant and Soil, 2011, 348, 379-396.	3.7	21
136	Hordeum marinum-wheat amphiploids maintain higher leaf K+:Na+ and suffer less leaf injury than wheat parents in saline conditions. Plant and Soil, 2011, 348, 365-377.	3.7	28
137	A perspective on underwater photosynthesis in submerged terrestrial wetland plants. AoB PLANTS, 2011, 2011, plr030.	2.3	72
138	Contrasting dynamics of radial O2-loss barrier induction and aerenchyma formation in rice roots of two lengths. Annals of Botany, 2011, 107, 89-99.	2.9	130
139	In situ O2 dynamics in submerged Isoetes australis: varied leaf gas permeability influences underwater photosynthesis and internal O2. Journal of Experimental Botany, 2011, 62, 4691-4700.	4.8	36
140	Ion transport in seminal and adventitious roots of cereals during O2 deficiency. Journal of Experimental Botany, 2011, 62, 39-57.	4.8	136
141	Submergence tolerance in Hordeum marinum: dissolved CO2 determines underwater photosynthesis and growth. Functional Plant Biology, 2010, 37, 524.	2.1	17
142	Development of Melilotus siculus â€“ A New Salt and Waterlogging-tolerant Annual Fodder Legume Species for Mediterranean-type Climates. , 2010, , 131-135.		6
143	Salt sensitivity in chickpea. Plant, Cell and Environment, 2010, 33, 490-509.	5.7	194
144	Lotus tenuis tolerates combined salinity and waterlogging: maintaining O2 transport to roots and expression of an NHX1-like gene contribute to regulation of Na+ transport. Physiologia Plantarum, 2010, 139, no-no.	5.2	31

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145	Photosynthetic Performance and Fertility Are Repressed in GmAOX2b Antisense Soybean Â. Plant Physiology, 2010, 152, 1638-1649.	4.8	28
146	Measuring Soluble Ion Concentrations (Na+, K+, Clâ^') in Salt-Treated Plants. Methods in Molecular Biology, 2010, 639, 371-382.	0.9	132
147	Variation in salinity tolerance, early shoot mass and shoot ion concentrations within Lotus tenuis: towards a perennial pasture legume for saline land. Crop and Pasture Science, 2010, 61, 379.	1.5	15
148	Alternative oxidase, a determinant of plant gametophyte fitness and fecundity. Plant Signaling and Behavior, 2010, 5, 604-606.	2.4	8
149	Effectiveness of Cultural Thatchâ€Mat Controls for Young and Mature Kikuyu Turfgrass. Agronomy Journal, 2009, 101, 67-74.	1.8	23
150	Nitrogen Increases Evapotranspiration and Growth of a Warm-Season Turfgrass. Agronomy Journal, 2009, 101, 17-24.	1.8	25
151	Regulation of intracellular pH during anoxia in rice coleoptiles in acidic and near neutral conditions. Journal of Experimental Botany, 2009, 60, 2119-2128.	4.8	19
152	Tolerance of Hordeum marinum accessions to O2 deficiency, salinity and these stresses combined. Annals of Botany, 2009, 103, 237-248.	2.9	57
153	Tolerance of combined submergence and salinity in the halophytic stem-succulent Tecticornia pergranulata. Annals of Botany, 2009, 103, 303-312.	2.9	30
154	Salt tolerance and avoidance mechanisms at germination of annual pasture legumes: importance for adaptation to saline environments. Plant and Soil, 2009, 315, 241-255.	3.7	48
155	Does N fertiliser regime influence N leaching and quality of different-aged turfgrass (Pennisetum) Tj ETQq1 1 0.784314 rgBT /Overlock	3.7	28
156	Development of wheatâ€“Lophopyrum elongatum recombinant lines for enhanced sodium â€˜exclusionâ€™ during salinity stress. Theoretical and Applied Genetics, 2009, 119, 1313-1323.	3.6	37
157	Surviving floods: leaf gas films improve O₂ and CO₂ exchange, root aeration, and growth of completely submerged rice. Plant Journal, 2009, 58, 147-156.	5.7	139
158	Salinity and waterlogging as constraints to saltland pasture production: A review. Agriculture, Ecosystems and Environment, 2009, 129, 349-360.	5.3	129
159	Response to non-uniform salinity in the root zone of the halophyte Atriplex nummularia: growth, photosynthesis, water relations and tissue ion concentrations. Annals of Botany, 2009, 104, 737-745.	2.9	65
160	Drying half of the root-zone from mid fruit growth to maturity in â€˜Hassâ€™ avocado (Persea americana) Tj ETQq0 0 0 rgBT /Overlock 437-442.	3.6	6
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