Herbert J Kronzucker

List of Publications by Year
in descending order

144 papers	12,717 citations	26630 56 h-index	25787 108 g-index
149 all docs	149 docs citations	149 times ranked	9032 citing authors

#	Article	IF	Citations
1	NH_4^+ toxicity in higher plants: a critical review. Journal of Plant Physiology, 2002, 159, 567-584.	3.5	1,409
2	Futile transmembrane NH_4^+ cycling: A cellular hypothesis to explain ammonium toxicity in plants. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4255-4258.	7.1	481
3	Conifer root discrimination against soil nitrate and the ecology of forest succession. Nature, 1997, 385, 59-61.	27.8	439
4	The controversies of silicon's role in plant biology. New Phytologist, 2019, 221, 67-85.	7.3	439
5	Sodium transport in plants: a critical review. New Phytologist, 2011, 189, 54-81.	7.3	399
6	The regulation of nitrate and ammonium transport systems in plants. Journal of Experimental Botany, 2002, 53, 855-864.	4.8	391
7	Nitrogen transformations in modern agriculture and the role of biological nitrification inhibition. Nature Plants, 2017, 3, 17074.	9.3	376
8	How Plant Root Exudates Shape the Nitrogen Cycle. Trends in Plant Science, 2017, 22, 661-673.	8.8	322
9	Sodium as nutrient and toxicant. Plant and Soil, 2013, 369, 1-23.	3.7	289
10	Energy costs of salt tolerance in crop plants. New Phytologist, 2020, 225, 1072-1090.	7.3	284
11	Nitrate-Ammonium Synergism in Rice. A Subcellular Flux Analysis1. Plant Physiology, 1999, 119, 1041-1046.	4.8	260
12	The Role of Silicon in Higher Plants under Salinity and Drought Stress. Frontiers in Plant Science, 2016, 7, 1072.	3.6	259
13	AtAMT1 gene expression and NH_4^+ uptake in roots of Arabidopsis thaliana: evidence for regulation by root glutamine levels. Plant Journal, 1999, 19, 143-152.	5.7	234
14	The Potential for Nitrification and Nitrate Uptake in the Rhizosphere of Wetland Plants: A Modelling Study. Annals of Botany, 2005, 96, 639-646.	2.9	234
15	Ecological significance and complexity of N-source preference in plants. Annals of Botany, 2013, 112, 957-963.	2.9	232
16	K^+ transport in plants: Physiology and molecular biology. Journal of Plant Physiology, 2009, 166, 447-466.	3.5	214
17	Ammonium stress in Arabidopsis: signaling, genetic loci, and physiological targets. Trends in Plant Science, 2014, 19, 107-114.	8.8	204
18	Ammonium toxicity and the real cost of transport. Trends in Plant Science, 2001, 6, 335-337.	8.8	200

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19	Cellular mechanisms of potassium transport in plants. Physiologia Plantarum, 2008, 133, 637-650.	5.2	197
20	Futile cycling at the plasma membrane: a hallmark of low-affinity nutrient transport. Trends in Plant Science, 2006, 11, 529-534.	8.8	182
21	Kinetics of NO3- Influx in Spruce. Plant Physiology, 1995, 109, 319-326.	4.8	175
22	Comparative kinetic analysis of ammonium and nitrate acquisition by tropical lowland rice: implications for rice cultivation and yield potential. New Phytologist, 2000, 145, 471-476.	7.3	174
23	Biological nitrification inhibition by rice root exudates and its relationship with nitrogenâ€use efficiency. New Phytologist, 2016, 212, 646-656.	7.3	159
24	Nitrogen acquisition, PEP carboxylase, and cellular pH homeostasis: new views on old paradigms. Plant, Cell and Environment, 2005, 28, 1396-1409.	5.7	152
25	Root growth inhibition by NH4+ in Arabidopsis is mediated by the root tip and is linked to NH4+ efflux and GMPase activity. Plant, Cell and Environment, 2010, 33, no-no.	5.7	140
26	Inhibition of Nitrate Uptake by Ammonium in Barley. Analysis of Component Fluxes1. Plant Physiology, 1999, 120, 283-292.	4.8	136
27	Optimization of ammonium acquisition and metabolism by potassium in rice (<i>Oryza sativa</i>L. cv.) Tj ETQq1 1 0.784314 rgBT /Ov	5.7	123
28	The intersection of nitrogen nutrition and water use in plants: new paths toward improved crop productivity. Journal of Experimental Botany, 2020, 71, 4452-4468.	4.8	119
29	Membrane fluxes, bypass flows, and sodium stress in rice: the influence of silicon. Journal of Experimental Botany, 2018, 69, 1679-1692.	4.8	102
30	The nitrogenâ€“potassium intersection: membranes, metabolism, and mechanism. Plant, Cell and Environment, 2017, 40, 2029-2041.	5.7	99
31	Nitrogen transport in plants, with an emphasis on the regulation of fluxes to match plant demand. Journal of Plant Nutrition and Soil Science, 2001, 164, 199-207.	1.9	97
32	Root ammonium transport efficiency as a determinant in forest colonization patterns: an hypothesis. Physiologia Plantarum, 2003, 117, 164-170.	5.2	97
33	Alleviation of rapid, futile ammonium cycling at the plasma membrane by potassium reveals K+-sensitive and -insensitive components of NH4+ transport. Journal of Experimental Botany, 2008, 59, 303-313.	4.8	96
34	Selenium Biofortification and Interaction With Other Elements in Plants: A Review. Frontiers in Plant Science, 2020, 11, 586421.	3.6	96
35	Rapid Ammonia Gas Transport Accounts for Futile Transmembrane Cycling under NH3/NH4 Â+ Toxicity in Plant Roots Â Â. Plant Physiology, 2013, 163, 1859-1867.	4.8	95
36	Futile Na+ cycling at the root plasma membrane in rice (Oryza sativa L.): kinetics, energetics, and relationship to salinity tolerance. Journal of Experimental Botany, 2008, 59, 4109-4117.	4.8	93

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37	Arabidopsis Plastid AMOS1/EGY1 Integrates Abscisic Acid Signaling to Regulate Global Gene Expression Response to Ammonium Stress. Plant Physiology, 2012, 160, 2040-2051.	4.8	92
38	Shootâ€supplied ammonium targets the root auxin influx carrier AUX1 and inhibits lateral root emergence in <i>Arabidopsis</i>. Plant, Cell and Environment, 2011, 34, 933-946.	5.7	90
39	Sodiumâ€"potassium synergism in <i>Theobroma cacao</i>: stimulation of photosynthesis, waterâ€use efficiency and mineral nutrition. Physiologia Plantarum, 2012, 146, 350-362.	5.2	86
40	The cytosolic Na+â€ƒ:â€ƒK+ratio does not explain salinity-induced growth impairment in barley: a dual-tracer study using42K+and24Na+. Plant, Cell and Environment, 2006, 29, 2228-2237.	5.7	84
41	Induction of nitrate uptake and nitrate reductase activity in trembling aspen and lodgepole pine. Plant, Cell and Environment, 1998, 21, 1039-1046.	5.7	80
42	NH4+-stimulated and -inhibited components of K+ transport in rice (Oryza sativa L.). Journal of Experimental Botany, 2008, 59, 3415-3423.	4.8	80
43	Compartmentation and flux characteristics of ammonium in spruce. Planta, 1995, 196, 691-698.	3.2	77
44	Nitrogen use efficiency (NUE) in rice links to NH4 + toxicity and futile NH4 + cycling in roots. Plant and Soil, 2013, 369, 351-363.	3.7	76
45	Compartmentation and flux characteristics of nitrate in spruce. Planta, 1995, 196, 674-682.	3.2	74
46	N and P runoff losses in China's vegetable production systems: Loss characteristics, impact, and management practices. Science of the Total Environment, 2019, 663, 971-979.	8.0	74
47	Effects of Hypoxia on 13NH4+Fluxes in Rice Roots1. Plant Physiology, 1998, 116, 581-587.	4.8	69
48	A comparative kinetic analysis of nitrate and ammonium influx in two earlyâ€successional tree species of temperate and boreal forest ecosystems. Plant, Cell and Environment, 2000, 23, 321-328.	5.7	68
49	A comparative study of fluxes and compartmentation of nitrate and ammonium in early-successional tree species. Plant, Cell and Environment, 1999, 22, 821-830.	5.7	67
50	The Tomato 14-3-3 Protein TFT4 Modulates H+ Efflux, Basipetal Auxin Transport, and the PKS5-J3 Pathway in the Root Growth Response to Alkaline Stress Â Â. Plant Physiology, 2013, 163, 1817-1828.	4.8	66
51	Cellular and whole-plant chloride dynamics in barley: insights into chloride?nitrogen interactions and salinity responses. Planta, 2004, 218, 615-622.	3.2	64
52	Nitrate induction in spruce: an approach using compartmental analysis. Planta, 1995, 196, 683-690.	3.2	62
53	Effects of the biological nitrification inhibitor 1,9-decanediol on nitrification and ammonia oxidizers in three agricultural soils. Soil Biology and Biochemistry, 2019, 129, 48-59.	8.8	61
54	Cytosolic potassium homeostasis revisited: 42 K-tracer analysis in Hordeum vulgare L. reveals set-point variations in [K +]. Planta, 2003, 217, 540-546.	3.2	60

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55	Ethylene is critical to the maintenance of primary root growth and Fe homeostasis under Fe stress in Arabidopsis. Journal of Experimental Botany, 2015, 66, 2041-2054.	4.8	60
56	Overexpression of rice aquaporin <i>OsPIP1;2</i> improves yield by enhancing mesophyll CO2 conductance and phloem sucrose transport. Journal of Experimental Botany, 2019, 70, 671-681.	4.8	60
57	Capacity and Plasticity of Potassium Channels and High-Affinity Transporters in Roots of Barley and Arabidopsis Â Â. Plant Physiology, 2013, 162, 496-511.	4.8	59
58	Mechanical side-deep fertilization mitigates ammonia volatilization and nitrogen runoff and increases profitability in rice production independent of fertilizer type and split ratio. Journal of Cleaner Production, 2021, 316, 128370.	9.3	58
59	Non-reciprocal interactions between K+ and Na+ ions in barley (Hordeum vulgare L.). Journal of Experimental Botany, 2008, 59, 2793-2801.	4.8	56
60	⁴²K analysis of sodiumâ€induced potassium efflux in barley: mechanism and relevance to salt tolerance. New Phytologist, 2010, 186, 373-384.	7.3	56
61	Rapid, Futile K+ Cycling and Pool-Size Dynamics Define Low-Affinity Potassium Transport in Barley. Plant Physiology, 2006, 141, 1494-1507.	4.8	55
62	Stimulation of nitrogen removal in the rhizosphere of aquatic duckweed by root exudate components. Planta, 2014, 239, 591-603.	3.2	53
63	Cytosolic Concentrations and Transmembrane Fluxes of NH4+/NH3. An Evaluation of Recent Proposals: Fig. 1.. Plant Physiology, 2001, 125, 523-526.	4.8	52
64	Comprehensive assessment of the effects of nitrification inhibitor application on reactive nitrogen loss in intensive vegetable production systems. Agriculture, Ecosystems and Environment, 2021, 307, 107227.	5.3	52
65	Constancy of nitrogen turnover kinetics in the plant cell: insights into the integration of subcellular N fluxes. Planta, 2001, 213, 175-181.	3.2	51
66	Ammonium-induced loss of root gravitropism is related to auxin distribution and TRH1 function, and is uncoupled from the inhibition of root elongation in Arabidopsis. Journal of Experimental Botany, 2012, 63, 3777-3788.	4.8	51
67	Ammonium-induced shoot ethylene production is associated with the inhibition of lateral root formation in Arabidopsis. Journal of Experimental Botany, 2013, 64, 1413-1425.	4.8	50
68	Bioengineering nitrogen acquisition in rice: can novel initiatives in rice genomics and physiology contribute to global food security?. BioEssays, 2004, 26, 683-692.	2.5	48
69	Spatio-temporal dynamics in global rice gene expression (Oryza sativa â€‰L.) in response to high ammonium stress. Journal of Plant Physiology, 2017, 212, 94-104.	3.5	48
70	Excess iron stress reduces root tip zone growth through nitric oxideâ€mediated repression of potassium homeostasis in <i>Arabidopsis</i>. New Phytologist, 2018, 219, 259-274.	7.3	48
71	Can unidirectional influx be measured in higher plants? A mathematical approach using parameters from efflux analysis. New Phytologist, 2001, 150, 37-47.	7.3	47
72	Comparative Analysis of Arabidopsis Ecotypes Reveals a Role for Brassinosteroids in Root Hydrotropism. Plant Physiology, 2018, 176, 2720-2736.	4.8	46

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73	K+ Efflux and Retention in Response to NaCl Stress Do Not Predict Salt Tolerance in Contrasting Genotypes of Rice (Oryza sativa L.). PLoS ONE, 2013, 8, e57767.	2.5	46
74	AUX1 and PIN2 Protect Lateral Root Formation in Arabidopsis under Fe Stress. Plant Physiology, 2015, 169, pp.00904.2015.	4.8	45
75	TaANR1-TaBG1 and TaWabi5-TaNRT2s/NARs Link ABA Metabolism and Nitrate Acquisition in Wheat Roots. Plant Physiology, 2020, 182, 1440-1453.	4.8	43
76	Regulation and mechanism of potassium release from barley roots: an <i>in planta</i>⁴²K⁺ analysis. New Phytologist, 2010, 188, 1028-1038.	7.3	41
77	Quantification and enzyme targets of fatty acid amides from duckweed root exudates involved in the stimulation of denitrification. Journal of Plant Physiology, 2016, 198, 81-88.	3.5	41
78	Silver ions disrupt K+ homeostasis and cellular integrity in intact barley (Hordeum vulgare L.) roots. Journal of Experimental Botany, 2012, 63, 151-162.	4.8	40
79	Ammonium fluxes into plant roots: Energetics, kinetics and regulation. Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science, 1997, 160, 261-268.	0.4	39
80	Sodium efflux in plant roots: What do we really know?. Journal of Plant Physiology, 2015, 186-187, 1-12.	3.5	39
81	The Arabidopsis<i>AMOT1/EIN3</i>gene plays an important role in the amelioration of ammonium toxicity. Journal of Experimental Botany, 2019, 70, 1375-1388.	4.8	39
82	Isolation and characterization of a novel ammonium overly sensitive mutant, amos2, in Arabidopsis thaliana. Planta, 2012, 235, 239-252.	3.2	38
83	Nutrient constraints on terrestrial carbon fixation: The role of nitrogen. Journal of Plant Physiology, 2016, 203, 95-109.	3.5	38
84	WRKY46 promotes ammonium tolerance in Arabidopsis by repressing NUDX9 and indoleâ€3â€acetic acidâ€conjugating genes and by inhibiting ammonium efflux in the root elongation zone. New Phytologist, 2021, 232, 190-207.	7.3	38
85	<scp>GSA</scp>â€1/<scp>ARG</scp>1 protects root gravitropism in <i>Arabidopsis</i> under ammonium stress. New Phytologist, 2013, 200, 97-111.	7.3	35
86	Root-Apex Proton Fluxes at the Centre of Soil-Stress Acclimation. Trends in Plant Science, 2020, 25, 794-804.	8.8	35
87	Ussing's conundrum and the search for transport mechanisms in plants. New Phytologist, 2009, 183, 243-246.	7.3	33
88	A pharmacological analysis of high-affinity sodium transport in barley (Hordeum vulgare L.): a 24Na+/42K+ study. Journal of Experimental Botany, 2012, 63, 2479-2489.	4.8	33
89	Endogenous ABA alleviates rice ammonium toxicity by reducing ROS and free ammonium via regulation of the SAPK9â€“bZIP20 pathway. Journal of Experimental Botany, 2020, 71, 4562-4577.	4.8	33
90	Root developmental adaptation to Fe toxicity: Mechanisms and management. Plant Signaling and Behavior, 2016, 11, e1117722.	2.4	32

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91	Involvement of auxin in the regulation of ammonium tolerance in rice (Oryza sativa L.). Plant and Soil, 2018, 432, 373-387.	3.7	30
92	Ion fluxes and cytosolic pool sizes: examining fundamental relationships in transmembrane flux regulation. Planta, 2003, 217, 490-497.	3.2	28
93	The Chloroplast Protease AMOS1/EGY1 Affects Phosphate Homeostasis under Phosphate Stress. Plant Physiology, 2016, 172, 1200-1208.	4.8	26
94	Factors influencing the release of the biological nitrification inhibitor 1,9-decanediol from rice (Oryza sativa L.) roots. Plant and Soil, 2019, 436, 253-265.	3.7	26
95	The physiology of channelâ€mediated K⁺ acquisition in roots of higher plants. Physiologia Plantarum, 2014, 151, 305-312.	5.2	24
96	Drought stress obliterates the preference for ammonium as an N source in the C 4 plant Spartina alterniflora. Journal of Plant Physiology, 2017, 213, 98-107.	3.5	24
97	Superior growth, N uptake and NH4+ tolerance in the giant bamboo <i>Phyllostachys edulis</i> over the broad-leaved tree <i>Castanopsis fargesii</i> at elevated NH4+ may underlie community succession and favor the expansion of bamboo. Tree Physiology, 2020, 40, 1606-1622.	3.1	23
98	Transcriptome analysis of rice (Oryza sativa L.) in response to ammonium resupply reveals the involvement of phytohormone signaling and the transcription factor OsJAZ9 in reprogramming of nitrogen uptake and metabolism. Journal of Plant Physiology, 2020, 246-247, 153137.	3.5	23
99	High ammonium inhibits root growth in Arabidopsis thaliana by promoting auxin conjugation rather than inhibiting auxin biosynthesis. Journal of Plant Physiology, 2021, 261, 153415.	3.5	23
100	Compartmentation and flux characteristics of nitrate in spruce. Planta, 1995, 196, 674.	3.2	22
101	How high do ion fluxes go? A re-evaluation of the two-mechanism model of K + transport in plant roots. Plant Science, 2016, 243, 96-104.	3.6	21
102	Induction of <i>S</i>-nitrosoglutathione reductase protects root growth from ammonium toxicity by regulating potassium homeostasis in Arabidopsis and rice. Journal of Experimental Botany, 2021, 72, 4548-4564.	4.8	21
103	Potassium physiology from Archean to Holocene: A higher-plant perspective. Journal of Plant Physiology, 2021, 262, 153432.	3.5	21
104	The case for cytosolic NO3 - heterostasis: a critique of a recently proposed model. Plant, Cell and Environment, 2003, 26, 183-188.	5.7	20
105	Plant Nitrogen Transport and Its Regulation in Changing Soil Environments. Journal of Crop Improvement, 2006, 15, 1-23.	1.7	20
106	Measurement of Differential Na+ Eï¬„ux from Apical and Bulk Root Zones of Intact Barley and Arabidopsis Plants. Frontiers in Plant Science, 2016, 7, 272.	3.6	20
107	Subcellular NH 4 + flux analysis in leaf segments of wheat (Triticum aestivum). New Phytologist, 2002, 155, 373-380.	7.3	19
108	Potassium and nitrogen poising: Physiological changes and biomass gains in rice and barley. Canadian Journal of Plant Science, 2014, 94, 1085-1089.	0.9	19

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109	Trans-stimulation of 13NH4+ efflux provides evidence for the cytosolic origin of tracer in the compartmental analysis of barley roots. Functional Plant Biology, 2003, 30, 1233.	2.1	19
110	OsEIL1 protects rice growth under NH₄⁺ nutrition by regulating OsVTC1â€ƒâ€dependent Nâ€glycosylation and root NH₄⁺ efflux. Plant, Cell and Environment, 2022, 45, 1537-1553.	5.7	18
111	Nitrate induction in spruce: an approach using compartmental analysis. Planta, 1995, 196, 683.	3.2	17
112	The Response of the Root Apex in Plant Adaptation to Iron Heterogeneity in Soil. Frontiers in Plant Science, 2016, 7, 344.	3.6	17
113	Tomato plants ectopically expressing Arabidopsis GRF9 show enhanced resistance to phosphate deficiency and improved fruit production in the field. Journal of Plant Physiology, 2018, 226, 31-39.	3.5	17
114	Stigmasterol root exudation arising from Pseudomonas inoculation of the duckweed rhizosphere enhances nitrogen removal from polluted waters. Environmental Pollution, 2021, 287, 117587.	7.5	17
115	Coordination of nitrogen uptake and assimilation favours the growth and competitiveness of moso bamboo over native tree species in high-NH4+ environments. Journal of Plant Physiology, 2021, 266, 153508.	3.5	17
116	A new, non-perturbing, sampling procedure in tracer exchange measurements. Journal of Experimental Botany, 2006, 57, 1309-1314.	4.8	16
117	The face value of ion fluxes: the challenge of determining influx in the low-affinity transport range. Journal of Experimental Botany, 2006, 57, 3293-3300.	4.8	16
118	Microprofiling of nitrogen patches in paddy soil: Analysis of spatiotemporal nutrient heterogeneity at the microscale. Scientific Reports, 2016, 6, 27064.	3.3	16
119	Higher nitrogen use efficiency (NUE) in hybrid â€œsuper riceâ€•links to improved morphological and physiological traits in seedling roots. Journal of Plant Physiology, 2020, 251, 153191.	3.5	16
120	Compartmentation and flux characteristics of ammonium in spruce. Planta, 1995, 196, 691.	3.2	15
121	Dynamic analysis of the impact of free-air CO2 enrichment (FACE) on biomass and N uptake in two contrasting genotypes of rice. Functional Plant Biology, 2018, 45, 696.	2.1	15
122	Comparative analysis reveals gravity is involved in the MIZ1-regulated root hydrotropism. Journal of Experimental Botany, 2020, 71, 7316-7330.	4.8	12
123	Syringic acid from rice as a biological nitrification and urease inhibitor and its synergism with 1,9-decanediol. Biology and Fertility of Soils, 2022, 58, 277-289.	4.3	11
124	Continuous monitoring of plant sodium transport dynamics using clinical PET. Plant Methods, 2021, 17, 8.	4.3	11
125	Molecular components of stress-responsive plastid retrograde signaling networks and their involvement in ammonium stress. Plant Signaling and Behavior, 2013, 8, e23107.	2.4	10
126	Plasma-membrane electrical responses to salt and osmotic gradients contradict radiotracer kinetics, and reveal Na+-transport dynamics in rice (Oryza sativa L.). Planta, 2019, 249, 1037-1051.	3.2	10

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127	In defence of the selective transport and role of silicon in plants. New Phytologist, 2019, 223, 514-516.	7.3	9
128	Cytosolic ion exchange dynamics: insights into the mechanisms of component ion fluxes and their measurement. Functional Plant Biology, 2003, 30, 355.	2.1	8
129	Roles of abscisic acid and auxin in shoot-supplied ammonium inhibition of root system development. Plant Signaling and Behavior, 2011, 6, 1451-1453.	2.4	7
130	From aquaporin to ecosystem: Plants in the water cycle. Journal of Plant Physiology, 2018, 227, 1-2.	3.5	7
131	Nitrogen depletion enhances endodermal suberization without restricting transporter-mediated root <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:msubsup><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow><mml:mo>â^'</mml:mo></mml:ms influx. Journal of Plant Physiology, 2021, 257, 153334.	3.5	7
132	Complexity of potassium acquisition: How much flows through channels?. Plant Signaling and Behavior, 2013, 8, e24799.	2.4	6
133	Measuring Fluxes of Mineral Nutrients and Toxicants in Plants with Radioactive Tracers. Journal of Visualized Experiments, 2014, , .	0.3	4
134	Flux Measurements of Cations Using Radioactive Tracers. , 2013, 953, 161-170.		4
135	Characterization and comparison of nitrate fluxes in Tamarix ramosissima and cotton roots under simulated drought conditions. Tree Physiology, 2019, 39, 628-640.	3.1	3
136	Isotope Techniques to Study Kinetics of Na+ and K+ Transport Under Salinity Conditions. Methods in Molecular Biology, 2012, 913, 389-398.	0.9	3
137	Inorganic Nitrogen Absorption by Plant Roots. , 1999, , 1-16.		3
138	The Role of Plant Growth Regulators in Modulating Root Architecture and Tolerance to High-Nitrate Stress in Tomato. Frontiers in Plant Science, 2022, 13, 864285.	3.6	3
139	Genes do not form channels. Plant and Soil, 2011, 346, 15-17.	3.7	2
140	OsGF14b is involved in regulating coarse root and fine root biomass partitioning in response to elevated [CO2] in rice. Journal of Plant Physiology, 2022, 268, 153586.	3.5	2
141	From biochemical pathways to the agro-ecological scale: Carbon capture in a changing climate. Journal of Plant Physiology, 2016, 203, 1-2.	3.5	1
142	Pride in being a plant physiologist. Journal of Plant Physiology, 2015, 175, A1-A2.	3.5	0
143	vaCATE: A Platform for Automating Data Output from Compartmental Analysis by Tracer Efflux. Journal of Open Research Software, 2018, 6, .	5.9	0
144	The good and the bad of preprint servers in plant physiology. Journal of Plant Physiology, 2022, 271, 153661.	3.5	0