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	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
2	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
3	OsEIL1 protects rice growth under NH₄⁺ nutrition by regulating OsVTC1â€3â€dependent Nâ€glycosylation and root NH₄⁺ efflux. Plant, Cell and Environment, 2022, 45, 1537-1553.	5.7	18
4	The good and the bad of preprint servers in plant physiology. Journal of Plant Physiology, 2022, 271, 153661.	3.5	0
5	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
6	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
7	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
8	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
9	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
10	Potassium physiology from Archean to Holocene: A higher-plant perspective. Journal of Plant Physiology, 2021, 262, 153432.	3.5	21
11	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
12	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
13	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
14	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
15	Continuous monitoring of plant sodium transport dynamics using clinical PET. Plant Methods, 2021, 17, 8.	4.3	11
16	Energy costs of salt tolerance in crop plants. New Phytologist, 2020, 225, 1072-1090.	7.3	284
17	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
18	Selenium Biofortification and Interaction With Other Elements in Plants: A Review. Frontiers in Plant Science, 2020, 11, 586421.	3.6	96

#	Article	IF	Citations
19	Comparative analysis reveals gravity is involved in the MIZ1-regulated root hydrotropism. Journal of Experimental Botany, 2020, 71, 7316-7330.	4.8	12
20	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
21	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
22	TaANR1-TaBG1 and TaWabi5-TaNRT2s/NARs Link ABA Metabolism and Nitrate Acquisition in Wheat Roots. Plant Physiology, 2020, 182, 1440-1453.	4.8	43
23	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
24	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
25	Root-Apex Proton Fluxes at the Centre of Soil-Stress Acclimation. Trends in Plant Science, 2020, 25, 794-804.	8.8	35
26	The controversies of silicon's role in plant biology. New Phytologist, 2019, 221, 67-85.	7.3	439
27	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
28	In defence of the selective transport and role of silicon in plants. New Phytologist, 2019, 223, 514-516.	7.3	9
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	Comparative Analysis of Arabidopsis Ecotypes Reveals a Role for Brassinosteroids in Root Hydrotropism. Plant Physiology, 2018, 176, 2720-2736.	4.8	46

#	Article	IF	Citations
37	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
38	Involvement of auxin in the regulation of ammonium tolerance in rice (Oryza sativa L.). Plant and Soil, 2018, 432, 373-387.	3.7	30
39	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
40	Membrane fluxes, bypass flows, and sodium stress in rice: the influence of silicon. Journal of Experimental Botany, 2018, 69, 1679-1692.	4.8	102
41	From aquaporin to ecosystem: Plants in the water cycle. Journal of Plant Physiology, 2018, 227, 1-2.	3.5	7
42	vaCATE: A Platform for Automating Data Output from Compartmental Analysis by Tracer Efflux. Journal of Open Research Software, 2018, 6, .	5.9	0
43	The nitrogenâ€“potassium intersection: membranes, metabolism, and mechanism. Plant, Cell and Environment, 2017, 40, 2029-2041.	5.7	99
44	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
45	How Plant Root Exudates Shape the Nitrogen Cycle. Trends in Plant Science, 2017, 22, 661-673.	8.8	322
46	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
47	Nitrogen transformations in modern agriculture and the role of biological nitrification inhibition. Nature Plants, 2017, 3, 17074.	9.3	376
48	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
49	The Response of the Root Apex in Plant Adaptation to Iron Heterogeneity in Soil. Frontiers in Plant Science, 2016, 7, 344.	3.6	17
50	The Role of Silicon in Higher Plants under Salinity and Drought Stress. Frontiers in Plant Science, 2016, 7, 1072.	3.6	259
51	Nutrient constraints on terrestrial carbon fixation: The role of nitrogen. Journal of Plant Physiology, 2016, 203, 95-109.	3.5	38
52	Biological nitrification inhibition by rice root exudates and its relationship with nitrogenâ€use efficiency. New Phytologist, 2016, 212, 646-656.	7.3	159
53	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
54	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

#	Article	IF	Citations
55	The Chloroplast Protease AMOS1/EGY1 Affects Phosphate Homeostasis under Phosphate Stress. Plant Physiology, 2016, 172, 1200-1208.	4.8	26
56	Microprofiling of nitrogen patches in paddy soil: Analysis of spatiotemporal nutrient heterogeneity at the microscale. Scientific Reports, 2016, 6, 27064.	3.3	16
57	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
58	Root developmental adaptation to Fe toxicity: Mechanisms and management. Plant Signaling and Behavior, 2016, 11, e1117722.	2.4	32
59	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
60	Pride in being a plant physiologist. Journal of Plant Physiology, 2015, 175, A1-A2.	3.5	0
61	AUX1 and PIN2 Protect Lateral Root Formation in Arabidopsis under Fe Stress. Plant Physiology, 2015, 169, pp.00904.2015.	4.8	45
62	Sodium efflux in plant roots: What do we really know?. Journal of Plant Physiology, 2015, 186-187, 1-12.	3.5	39
63	The physiology of channelâ€mediated K⁺ acquisition in roots of higher plants. Physiologia Plantarum, 2014, 151, 305-312.	5.2	24
64	Stimulation of nitrogen removal in the rhizosphere of aquatic duckweed by root exudate components. Planta, 2014, 239, 591-603.	3.2	53
65	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
66	Ammonium stress in Arabidopsis: signaling, genetic loci, and physiological targets. Trends in Plant Science, 2014, 19, 107-114.	8.8	204
67	Measuring Fluxes of Mineral Nutrients and Toxicants in Plants with Radioactive Tracers. Journal of Visualized Experiments, 2014, , .	0.3	4
68	Sodium as nutrient and toxicant. Plant and Soil, 2013, 369, 1-23.	3.7	289
69	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
70	<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
71	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
72	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

#	Article	IF	Citations
73	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
74	Complexity of potassium acquisition: How much flows through channels?. Plant Signaling and Behavior, 2013, 8, e24799.	2.4	6
75	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
76	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
77	Ecological significance and complexity of N-source preference in plants. Annals of Botany, 2013, 112, 957-963.	2.9	232
78	Flux Measurements of Cations Using Radioactive Tracers. , 2013, 953, 161-170.		4
79	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
80	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
81	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
82	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
83	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
84	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
85	Isolation and characterization of a novel ammonium overly sensitive mutant, amos2, in Arabidopsis thaliana. Planta, 2012, 235, 239-252.	3.2	38
86	Isotope Techniques to Study Kinetics of Na+ and K+ Transport Under Salinity Conditions. Methods in Molecular Biology, 2012, 913, 389-398.	0.9	3
87	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
88	Sodium transport in plants: a critical review. New Phytologist, 2011, 189, 54-81.	7.3	399
89	Genes do not form channels. Plant and Soil, 2011, 346, 15-17.	3.7	2
90	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

#	Article	IF	Citations
91	⁴²K analysis of sodiumâ€induced potassium efflux in barley: mechanism and relevance to salt tolerance. New Phytologist, 2010, 186, 373-384.	7.3	56
92	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
93	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
94	Optimization of ammonium acquisition and metabolism by potassium in rice (<i>Oryza sativa</i>L. cv.) Tj ETQq0 0 0 rgBT /Overlock 10	5.7	123
95	Ussing's conundrum and the search for transport mechanisms in plants. New Phytologist, 2009, 183, 243-246.	7.3	33
96	K+ transport in plants: Physiology and molecular biology. Journal of Plant Physiology, 2009, 166, 447-466.	3.5	214
97	Cellular mechanisms of potassium transport in plants. Physiologia Plantarum, 2008, 133, 637-650.	5.2	197
98	NH4+-stimulated and -inhibited components of K+ transport in rice (Oryza sativa L.). Journal of Experimental Botany, 2008, 59, 3415-3423.	4.8	80
99	Non-reciprocal interactions between K+ and Na+ ions in barley (Hordeum vulgare L.). Journal of Experimental Botany, 2008, 59, 2793-2801.	4.8	56
100	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
101	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
102	Plant Nitrogen Transport and Its Regulation in Changing Soil Environments. Journal of Crop Improvement, 2006, 15, 1-23.	1.7	20
103	Futile cycling at the plasma membrane: a hallmark of low-affinity nutrient transport. Trends in Plant Science, 2006, 11, 529-534.	8.8	182
104	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
105	Rapid, Futile K+ Cycling and Pool-Size Dynamics Define Low-Affinity Potassium Transport in Barley. Plant Physiology, 2006, 141, 1494-1507.	4.8	55
106	A new, non-perturbing, sampling procedure in tracer exchange measurements. Journal of Experimental Botany, 2006, 57, 1309-1314.	4.8	16
107	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
108	Nitrogen acquisition, PEP carboxylase, and cellular pH homeostasis: new views on old paradigms. Plant, Cell and Environment, 2005, 28, 1396-1409.	5.7	152

#	Article	IF	Citations
109	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
110	Cellular and whole-plant chloride dynamics in barley: insights into chloride?nitrogen interactions and salinity responses. Planta, 2004, 218, 615-622.	3.2	64
111	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
112	Ion fluxes and cytosolic pool sizes: examining fundamental relationships in transmembrane flux regulation. Planta, 2003, 217, 490-497.	3.2	28
113	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
114	Root ammonium transport efficiency as a determinant in forest colonization patterns: an hypothesis. Physiologia Plantarum, 2003, 117, 164-170.	5.2	97
115	The case for cytosolic NO3 - heterostasis: a critique of a recently proposed model. Plant, Cell and Environment, 2003, 26, 183-188.	5.7	20
116	Cytosolic ion exchange dynamics: insights into the mechanisms of component ion fluxes and their measurement. Functional Plant Biology, 2003, 30, 355.	2.1	8
117	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
118	NH4+ toxicity in higher plants: a critical review. Journal of Plant Physiology, 2002, 159, 567-584.	3.5	1,409
119	The regulation of nitrate and ammonium transport systems in plants. Journal of Experimental Botany, 2002, 53, 855-864.	4.8	391
120	Subcellular NH 4 + flux analysis in leaf segments of wheat (Triticum aestivum). New Phytologist, 2002, 155, 373-380.	7.3	19
121	Ammonium toxicity and the real cost of transport. Trends in Plant Science, 2001, 6, 335-337.	8.8	200
122	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
123	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
124	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
125	Futile transmembrane NH4+ 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
126	Cytosolic Concentrations and Transmembrane Fluxes of NH4+/NH3. An Evaluation of Recent Proposals: Fig. 1.. Plant Physiology, 2001, 125, 523-526.	4.8	52

#	Article	IF	Citations
127	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
128	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
129	Inhibition of Nitrate Uptake by Ammonium in Barley. Analysis of Component Fluxes1. Plant Physiology, 1999, 120, 283-292.	4.8	136
130	Nitrate-Ammonium Synergism in Rice. A Subcellular Flux Analysis1. Plant Physiology, 1999, 119, 1041-1046.	4.8	260
131	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
132	AtAMT1 gene expression and NH4+ uptake in roots of Arabidopsis thaliana: evidence for regulation by root glutamine levels. Plant Journal, 1999, 19, 143-152.	5.7	234
133	Inorganic Nitrogen Absorption by Plant Roots. , 1999, , 1-16.		3
134	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
135	Effects of Hypoxia on 13NH4+Fluxes in Rice Roots1. Plant Physiology, 1998, 116, 581-587.	4.8	69
136	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
137	Conifer root discrimination against soil nitrate and the ecology of forest succession. Nature, 1997, 385, 59-61.	27.8	439
138	Compartmentation and flux characteristics of nitrate in spruce. Planta, 1995, 196, 674-682.	3.2	74
139	Nitrate induction in spruce: an approach using compartmental analysis. Planta, 1995, 196, 683-690.	3.2	62
140	Compartmentation and flux characteristics of ammonium in spruce. Planta, 1995, 196, 691-698.	3.2	77
141	Compartmentation and flux characteristics of nitrate in spruce. Planta, 1995, 196, 674.	3.2	22
142	Nitrate induction in spruce: an approach using compartmental analysis. Planta, 1995, 196, 683.	3.2	17
143	Compartmentation and flux characteristics of ammonium in spruce. Planta, 1995, 196, 691.	3.2	15
144	Kinetics of NO3- Influx in Spruce. Plant Physiology, 1995, 109, 319-326.	4.8	175