Guo-hua Xu

List of Publications by Year
in descending order

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231 papers	18,104 citations	16451 64 h-index	17105 122 g-index
233 all docs	233 docs citations	233 times ranked	12502 citing authors

#	Article	IF	Citations
1	Plant Nitrogen Assimilation and Use Efficiency. Annual Review of Plant Biology, 2012, 63, 153-182.	18.7	1,446
2	Plant salt-tolerance mechanisms. Trends in Plant Science, 2014, 19, 371-379.	8.8	1,343
3	Plant abiotic stress response and nutrient use efficiency. Science China Life Sciences, 2020, 63, 635-674.	4.9	689
4	Two rice phosphate transporters, OsPht1;2 and OsPht1;6, have different functions and kinetic properties in uptake and translocation. Plant Journal, 2009, 57, 798-809.	5.7	470
5	The Phosphate Transporter Gene <i>OsPht1;8</i> Is Involved in Phosphate Homeostasis in Rice Â Â. Plant Physiology, 2011, 156, 1164-1175.	4.8	377
6	Overexpression of a pH-sensitive nitrate transporter in rice increases crop yields. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7118-7123.	7.1	309
7	Strigolactones are involved in phosphate- and nitrate-deficiency-induced root development and auxin transport in rice. Journal of Experimental Botany, 2014, 65, 6735-6746.	4.8	294
8	The Role of a Potassium Transporter OsHAK5 in Potassium Acquisition and Transport from Roots to Shoots in Rice at Low Potassium Supply Levels Â Â. Plant Physiology, 2014, 166, 945-959.	4.8	286
9	The characterization of novel mycorrhiza-specific phosphate transporters from Lycopersicon esculentum and Solanum tuberosum uncovers functional redundancy in symbiotic phosphate transport in solanaceous species. Plant Journal, 2005, 42, 236-250.	5.7	281
10	Spatial expression and regulation of rice high-affinity nitrate transporters by nitrogen and carbon status. Journal of Experimental Botany, 2011, 62, 2319-2332.	4.8	280
11	Rice OsNAR2.1 interacts with OsNRT2.1, OsNRT2.2 and OsNRT2.3a nitrate transporters to provide uptake over high and low concentration ranges. Plant, Cell and Environment, 2011, 34, 1360-1372.	5.7	257
12	Improvement of phosphorus efficiency in rice on the basis of understanding phosphate signaling and homeostasis. Current Opinion in Plant Biology, 2013, 16, 205-212.	7.1	256
13	Rice potassium transporter <scp>O</scp>s<scp>HAK</scp>1 is essential for maintaining potassiumâ€mediated growth and functions in salt tolerance over low and high potassium concentration ranges. Plant, Cell and Environment, 2015, 38, 2747-2765.	5.7	242
14	A Constitutive Expressed Phosphate Transporter, OsPht1;1, Modulates Phosphate Uptake and Translocation in Phosphate-Replete Rice Â Â. Plant Physiology, 2012, 159, 1571-1581.	4.8	241
15	Plant nitrate transporters: from gene function to application. Journal of Experimental Botany, 2017, 68, 2463-2475.	4.8	237
16	Complex Regulation of Plant Phosphate Transporters and the Gap between Molecular Mechanisms and Practical Application: What Is Missing?. Molecular Plant, 2016, 9, 396-416.	8.3	218
17	Advances in Chloride Nutrition of Plants. Advances in Agronomy, 1999, , 97-150.	5.2	207
18	Knockdown of a Rice Stelar Nitrate Transporter Alters Long-Distance Translocation But Not Root Influx Â Â. Plant Physiology, 2012, 160, 2052-2063.	4.8	201

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19	Overâ€expression of <i>OsPIN2</i> leads to increased tiller numbers, angle and shorter plant height through suppression of <i>OsLAZY1</i>. Plant Biotechnology Journal, 2012, 10, 139-149.	8.3	191
20	Plant nitrogen nutrition: sensing and signaling. Current Opinion in Plant Biology, 2017, 39, 57-65.	7.1	178
21	Conservation and divergence of both phosphateâ€and mycorrhizaâ€regulated physiological responses and expression patterns of phosphate transporters in solanaceous species. New Phytologist, 2007, 173, 817-831.	7.3	173
22	Agronomic nitrogenâ€use efficiency of rice can be increased by driving <i>Os<scp>NRT</scp>2.1</i> expression with the <i>Os<scp>NAR</scp>2.1</i> promoter. Plant Biotechnology Journal, 2016, 14, 1705-1715.	8.3	169
23	Plant Nutriomics in China: An Overview. Annals of Botany, 2006, 98, 473-482.	2.9	167
24	The role of OsPT8 in arsenate uptake and varietal difference in arsenate tolerance in rice. Journal of Experimental Botany, 2016, 67, 6051-6059.	4.8	158
25	The High-Affinity Phosphate Transporter GmPT5 Regulates Phosphate Transport to Nodules and Nodulation in Soybean Â Â. Plant Physiology, 2012, 159, 1634-1643.	4.8	153
26	The indica nitrate reductase gene OsNR2 allele enhances rice yield potential and nitrogen use efficiency. Nature Communications, 2019, 10, 5207.	12.8	151
27	Characterisation of magnesium nutrition and interaction of magnesium and potassium in rice. Annals of Applied Biology, 2006, 149, 111-123.	2.5	147
28	Rice nitrate transporter OsNPF2.4 functions in low-affinity acquisition and long-distance transport. Journal of Experimental Botany, 2015, 66, 317-331.	4.8	140
29	Plant HAK/KUP/KT K+ transporters: Function and regulation. Seminars in Cell and Developmental Biology, 2018, 74, 133-141.	5.0	139
30	Adaptation of plasma membrane H⁺â€ATPase of rice roots to low pH as related to ammonium nutrition. Plant, Cell and Environment, 2009, 32, 1428-1440.	5.7	137
31	Knocking Out <i>OsPT4</i> Gene Decreases Arsenate Uptake by Rice Plants and Inorganic Arsenic Accumulation in Rice Grains. Environmental Science & Technology, 2017, 51, 12131-12138.	10.0	133
32	Physiological and Molecular Responses of Nitrogen-starved Rice Plants to Re-supply of Different Nitrogen Sources. Plant and Soil, 2006, 287, 145-159.	3.7	132
33	Functional analysis of the OsNPF4.5 nitrate transporter reveals a conserved mycorrhizal pathway of nitrogen acquisition in plants. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16649-16659.	7.1	130
34	Expression analysis suggests potential roles of microRNAs for phosphate and arbuscular mycorrhizal signaling in <i>Solanum lycopersicum</i>. Physiologia Plantarum, 2010, 138, 226-237.	5.2	127
35	Nitric oxide generated by nitrate reductase increases nitrogen uptake capacity by inducing lateral root formation and inorganic nitrogen uptake under partial nitrate nutrition in rice. Journal of Experimental Botany, 2015, 66, 2449-2459.	4.8	125
36	High fertigation frequency: the effects on uptake of nutrients, water and plant growth. Plant and Soil, 2003, 253, 467-477.	3.7	124

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37	Facilitated legume nodulation, phosphate uptake and nitrogen transfer by arbuscular inoculation in an upland rice and mung bean intercropping system. Plant and Soil, 2009, 315, 285-296.	3.7	120
38	Crack self-healing of phytic acid conversion coating on AZ31 magnesium alloy by heat treatment and the corrosion resistance. Applied Surface Science, 2014, 313, 896-904.	6.1	118
39	S-RNase disrupts tip-localized reactive oxygen species and induces nuclear DNA degradation in incompatible pollen tubes of <i>Pyrus pyrifolia</i>. Journal of Cell Science, 2010, 123, 4301-4309.	2.0	116
40	Involvement of <i><scp>O</scp>s<scp>P</scp>ht1;4</i> in phosphate acquisition and mobilization facilitates embryo development in rice. Plant Journal, 2015, 82, 556-569.	5.7	116
41	Identification of two conserved <i>cis</i>â€acting elements, MYCS and P1BS, involved in the regulation of mycorrhizaâ€activated phosphate transporters in eudicot species. New Phytologist, 2011, 189, 1157-1169.	7.3	114
42	Strigolactones are required for nitric oxide to induce root elongation in response to nitrogen and phosphate deficiencies in rice. Plant, Cell and Environment, 2016, 39, 1473-1484.	5.7	113
43	Responses of Rice Cultivars with Different Nitrogen Use Efficiency to Partial Nitrate Nutrition. Annals of Botany, 2007, 99, 1153-1160.	2.9	112
44	OsPHT1;3 Mediates Uptake, Translocation, and Remobilization of Phosphate under Extremely Low Phosphate Regimes. Plant Physiology, 2019, 179, 656-670.	4.8	105
45	<i><scp>pOsNAR</scp>2.1:Os<scp>NAR</scp>2.1</i> expression enhances nitrogen uptake efficiency and grain yield in transgenic rice plants. Plant Biotechnology Journal, 2017, 15, 1273-1283.	8.3	104
46	The enhanced drought tolerance of rice plants under ammonium is related to aquaporin (AQP). Plant Science, 2015, 234, 14-21.	3.6	103
47	Comparative proteome analysis of differentially expressed proteins induced by Al toxicity in soybean. Physiologia Plantarum, 2007, 131, 542-554.	5.2	100
48	Plasma membrane H+-ATPase overexpression increases rice yield via simultaneous enhancement of nutrient uptake and photosynthesis. Nature Communications, 2021, 12, 735.	12.8	97
49	Functional characterization of LePT4: a phosphate transporter in tomato with mycorrhiza-enhanced expression. Journal of Experimental Botany, 2007, 58, 2491-2501.	4.8	96
50	Phytohormones Regulate the Development of Arbuscular Mycorrhizal Symbiosis. International Journal of Molecular Sciences, 2018, 19, 3146.	4.1	93
51	Over-expression of OsPTR6 in rice increased plant growth at different nitrogen supplies but decreased nitrogen use efficiency at high ammonium supply. Plant Science, 2014, 227, 1-11.	3.6	90
52	How does nitrogen shape plant architecture?. Journal of Experimental Botany, 2020, 71, 4415-4427.	4.8	90
53	Plant nitrogen uptake and assimilation: regulation of cellular pH homeostasis. Journal of Experimental Botany, 2020, 71, 4380-4392.	4.8	89
54	Genome-wide investigation and expression analysis suggest diverse roles and genetic redundancy of Pht1 family genes in response to Pi deficiency in tomato. BMC Plant Biology, 2014, 14, 61.	3.6	85

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55	Theanine transporters identified in tea plants (<i>Camellia sinensis</i> L.). Plant Journal, 2020, 101, 57-70.	5.7	85
56	OsNRT2.4 encodes a dual-affinity nitrate transporter and functions in nitrate-regulated root growth and nitrate distribution in rice. Journal of Experimental Botany, 2018, 69, 1095-1107.	4.8	84
57	OsHAK1, a High-Affinity Potassium Transporter, Positively Regulates Responses to Drought Stress in Rice. Frontiers in Plant Science, 2017, 8, 1885.	3.6	83
58	A putative 6â€transmembrane nitrate transporter <i>OsNRT1.1b</i> plays a key role in rice under low nitrogen. Journal of Integrative Plant Biology, 2016, 58, 590-599.	8.5	82
59	Improving rice tolerance to potassium deficiency by enhancing <i>Os<scp>HAK</scp>16p:<scp>WOX</scp>11</i>â€controlled root development. Plant Biotechnology Journal, 2015, 13, 833-848.	8.3	79
60	Accumulation of phenanthrene by roots of intact wheat (Triticum acstivnmL.) seedlings: passive or active uptake?. BMC Plant Biology, 2010, 10, 52.	3.6	78
61	Functional Characterization of 14 Pht1 Family Genes in Yeast and Their Expressions in Response to Nutrient Starvation in Soybean. PLoS ONE, 2012, 7, e47726.	2.5	78
62	Freeways in the plant: transporters for N, P and S and their regulation. Current Opinion in Plant Biology, 2009, 12, 284-290.	7.1	76
63	Sâ€RNase triggers mitochondrial alteration and DNA degradation in the incompatible pollen tube of <i>Pyrus pyrifolia in vitro</i>. Plant Journal, 2009, 57, 220-229.	5.7	73
64	The OsAMT1.1 gene functions in ammonium uptake and ammoniumâ€“potassium homeostasis over low and high ammonium concentration ranges. Journal of Genetics and Genomics, 2016, 43, 639-649.	3.9	72
65	Over-expression of the Arabidopsis proton-pyrophosphatase AVP1 enhances transplant survival, root mass, and fruit development under limiting phosphorus conditions. Journal of Experimental Botany, 2014, 65, 3045-3053.	4.8	71
66	Maintenance of phosphate homeostasis and root development are coordinately regulated by MYB1, an R2R3-type MYB transcription factor in rice. Journal of Experimental Botany, 2017, 68, 3603-3615.	4.8	71
67	Two NHXâ€type transporters from <i>Helianthus tuberosus</i> improve the tolerance of rice to salinity and nutrient deficiency stress. Plant Biotechnology Journal, 2018, 16, 310-321.	8.3	71
68	Phosphate transporter OsPht1;8 in rice plays an important role in phosphorus redistribution from source to sink organs and allocation between embryo and endosperm of seeds. Plant Science, 2015, 230, 23-32.	3.6	69
69	A noduleâ€localized phosphate transporter Gm<scp>PT</scp>7 plays an important role in enhancing symbiotic N₂ fixation and yield in soybean. New Phytologist, 2019, 221, 2013-2025.	7.3	68
70	A strigolactone signal is required for adventitious root formation in rice. Annals of Botany, 2015, 115, 1155-1162.	2.9	65
71	Nitrogenâ€induced acidification, not Nâ€nutrient, dominates suppressive N effects on arbuscular mycorrhizal fungi. Global Change Biology, 2020, 26, 6568-6580.	9.5	64
72	Nitrogen Mediates Flowering Time and Nitrogen Use Efficiency via Floral Regulators in Rice. Current Biology, 2021, 31, 671-683.e5.	3.9	63

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73	Pyrus pyrifolia stylar S-RNase induces alterations in the actin cytoskeleton in self-pollen and tubes in vitro. Protoplasma, 2007, 232, 61-67.	2.1	62
74	New Insight into the Strategy for Nitrogen Metabolism in Plant Cells. International Review of Cell and Molecular Biology, 2014, 310, 1-37.	3.2	62
75	<i>Oryza sativa</i> Lysineâ€Histidineâ€type Transporter 1 functions in root uptake and rootâ€toâ€shoot allocation of amino acids in rice. Plant Journal, 2020, 103, 395-411.	5.7	62
76	Effect of Nitrate on Activities and Transcript Levels of Nitrate Reductase and Glutamine Synthetase in Rice. Pedosphere, 2008, 18, 664-673.	4.0	61
77	Influence of plant root morphology and tissue composition on phenanthrene uptake: Stepwise multiple linear regression analysis. Environmental Pollution, 2013, 179, 294-300.	7.5	61
78	A Transcription Factor, OsMADS57, Regulates Long-Distance Nitrate Transport and Root Elongation. Plant Physiology, 2019, 180, 882-895.	4.8	60
79	The Potassium Transporter SlHAK10 Is Involved in Mycorrhizal Potassium Uptake. Plant Physiology, 2019, 180, 465-479.	4.8	60
80	<i>OsSIZ1</i>, a SUMO E3 Ligase Gene, is Involved in the Regulation of the Responses to Phosphate and Nitrogen in Rice. Plant and Cell Physiology, 2015, 56, 2381-2395.	3.1	59
81	Alteration of nutrient allocation and transporter genes expression in rice under N, P, K, and Mg deficiencies. Acta Physiologiae Plantarum, 2012, 34, 939-946.	2.1	58
82	Identification and functional assay of the interaction motifs in the partner protein <scp>O</scp>s<scp>NAR</scp>2.1 of the twoâ€component system for highâ€affinity nitrate transport. New Phytologist, 2014, 204, 74-80.	7.3	58
83	High Potassium Aggravates the Oxidative Stress Inducedy by Magnesium Deflciency in Rice Leaves. Pedosphere, 2008, 18, 316-327.	4.0	57
84	Co-Overexpression of OsNAR2.1 and OsNRT2.3a Increased Agronomic Nitrogen Use Efficiency in Transgenic Rice Plants. Frontiers in Plant Science, 2020, 11, 1245.	3.6	57
85	Stimulation of phosphorus uptake by ammonium nutrition involves plasma membrane H+ ATPase in rice roots. Plant and Soil, 2012, 357, 205-214.	3.7	56
86	Hemeâ€heme oxygenase 1 system is involved in ammonium tolerance by regulating antioxidant defence in <scp><i>O</i></scp><i>ryza sativa</i>. Plant, Cell and Environment, 2015, 38, 129-143.	5.7	56
87	Integrated effect of irrigation frequency and phosphorus level on lettuce: P uptake, root growth and yield. Plant and Soil, 2004, 263, 297-309.	3.7	55
88	Chloroplast Downsizing Under Nitrate Nutrition Restrained Mesophyll Conductance and Photosynthesis in Rice (Oryza sativa L.) Under Drought Conditions. Plant and Cell Physiology, 2012, 53, 892-900.	3.1	55
89	Bioactive glassâ€“ceramic coating for enhancing the in vitro corrosion resistance of biodegradable Mg alloy. Applied Surface Science, 2012, 259, 799-805.	6.1	55
90	H⁺ /phenanthrene Symporter and Aquaglyceroporin Are Implicated in Phenanthrene Uptake by Wheat (<i>Triticum aestivum</i> L.) Roots. Journal of Environmental Quality, 2012, 41, 188-196.	2.0	55

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91	OsPIN1b is Involved in Rice Seminal Root Elongation by Regulating Root Apical Meristem Activity in Response to Low Nitrogen and Phosphate. Scientific Reports, 2018, 8, 13014.	3.3	55
92	Rice OsHAK16 functions in potassium uptake and translocation in shoot, maintaining potassium homeostasis and salt tolerance. Planta, 2019, 250, 549-561.	3.2	55
93	Engineering a sensitive visualâ€tracking reporter system for realâ€time monitoring phosphorus deficiency in tobacco. Plant Biotechnology Journal, 2014, 12, 674-684.	8.3	51
94	Apoplastic and symplastic uptake of phenanthrene in wheat roots. Environmental Pollution, 2018, 233, 331-339.	7.5	51
95	Nitrogen Form Effects on Yield and Nitrogen Uptake of Rice Crop Grown in Aerobic Soil. Journal of Plant Nutrition, 2004, 27, 1061-1076.	1.9	50
96	Preparation and characterization of mesoporous 45S5 bioactive glassâ€“ceramic coatings on magnesium alloy for corrosion protection. Journal of Alloys and Compounds, 2013, 580, 290-297.	5.5	50
97	Advances in the Uptake and Transport Mechanisms and QTLs Mapping of Cadmium in Rice. International Journal of Molecular Sciences, 2019, 20, 3417.	4.1	50
98	OsASN1 Plays a Critical Role in Asparagine-Dependent Rice Development. International Journal of Molecular Sciences, 2019, 20, 130.	4.1	50
99	Auxin distribution is differentially affected by nitrate in roots of two rice cultivars differing in responsiveness to nitrogen. Annals of Botany, 2013, 112, 1383-1393.	2.9	49
100	OsPht1;8, a phosphate transporter, is involved in auxin and phosphate starvation response in rice. Journal of Experimental Botany, 2017, 68, 5057-5068.	4.8	49
101	Rice OsLHT1 Functions in Leaf-to-Panicle Nitrogen Allocation for Grain Yield and Quality. Frontiers in Plant Science, 2020, 11, 1150.	3.6	49
102	Arbuscular mycorrhizal colonization alleviates Fusarium wilt in watermelon and modulates the composition of root exudates. Plant Growth Regulation, 2015, 77, 77-85.	3.4	48
103	The Characterization of Six Auxin-Induced Tomato GH3 Genes Uncovers a Member, SlGH3.4, Strongly Responsive to Arbuscular Mycorrhizal Symbiosis. Plant and Cell Physiology, 2015, 56, 674-687.	3.1	48
104	The role of strigolactones in root development. Plant Signaling and Behavior, 2016, 11, e1110662.	2.4	48
105	Microwave assisted deposition of strontium doped hydroxyapatite coating on AZ31 magnesium alloy with enhanced mineralization ability and corrosion resistance. Ceramics International, 2017, 43, 2495-2503.	4.8	47
106	Effect of alkali/acid pretreatment on the topography and corrosion resistance of as-deposited CaP coating on magnesium alloys. Journal of Alloys and Compounds, 2019, 793, 202-211.	5.5	46
107	Expression of New <i>Pteris vittata</i> Phosphate Transporter PvPht1;4 Reduces Arsenic Translocation from the Roots to Shoots in Tobacco Plants. Environmental Science & Technology, 2020, 54, 1045-1053.	10.0	46
108	Heterologous Expression of <i>Pteris vittata</i> Phosphate Transporter PvPht1;3 Enhances Arsenic Translocation to and Accumulation in Tobacco Shoots. Environmental Science & Technology, 2019, 53, 10636-10644.	10.0	45

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109	Developmental analysis of the early steps in strigolactoneâ€mediated axillary bud dormancy in rice. Plant Journal, 2019, 97, 1006-1021.	5.7	45
110	Proton pump OsA8 is linked to phosphorus uptake and translocation in rice. Journal of Experimental Botany, 2009, 60, 557-565.	4.8	43
111	OsPIN9, an auxin efflux carrier, is required for the regulation of rice tiller bud outgrowth by ammonium. New Phytologist, 2021, 229, 935-949.	7.3	43
112	Function, transport, and regulation of amino acids: What is missing in rice?. Crop Journal, 2021, 9, 530-542.	5.2	43
113	EFFECT OF VARYING NITROGEN FORM AND CONCENTRATION DURING GROWING SEASON ON SWEET PEPPER FLOWERING AND FRUIT YIELD. Journal of Plant Nutrition, 2001, 24, 1099-1116.	1.9	42
114	Nitric Oxide Regulates Shikonin Formation in Suspension-Cultured Onosma paniculatum Cells. Plant and Cell Physiology, 2009, 50, 118-128.	3.1	42
115	Phosphate Transporter <i><i>PvPht1;2</i></i> Enhances Phosphorus Accumulation and Plant Growth without Impacting Arsenic Uptake in Plants. Environmental Science & Technology, 2018, 52, 3975-3981.	10.0	42
116	OsNAR2.1 Positively Regulates Drought Tolerance and Grain Yield Under Drought Stress Conditions in Rice. Frontiers in Plant Science, 2019, 10, 197.	3.6	42
117	Overexpression of rice phosphate transporter gene OsPT6 enhances phosphate uptake and accumulation in transgenic rice plants. Plant and Soil, 2014, 384, 259-270.	3.7	41
118	Overexpression of the nitrate transporter, OsNRT2.3b, improves rice phosphorus uptake and translocation. Plant Cell Reports, 2017, 36, 1287-1296.	5.6	41
119	Transport properties and regulatory roles of nitrogen in arbuscular mycorrhizal symbiosis. Seminars in Cell and Developmental Biology, 2018, 74, 80-88.	5.0	41
120	Multiple roles of nitrate transport accessory protein NAR2 in plants. Plant Signaling and Behavior, 2011, 6, 1286-1289.	2.4	40
121	The Potassium Transporter OsHAK5 Alters Rice Architecture via ATP-Dependent Transmembrane Auxin Fluxes. Plant Communications, 2020, 1, 100052.	7.7	40
122	Knockdown of the partner protein OsNAR2.1 for high-affinity nitrate transport represses lateral root formation in a nitrate-dependent manner. Scientific Reports, 2015, 5, 18192.	3.3	39
123	OsWRKY21 and OsWRKY108 function redundantly to promote phosphate accumulation through maintaining the constitutive expression of <i>OsPHT1;1</i> under phosphateâ€replete conditions. New Phytologist, 2021, 229, 1598-1614.	7.3	39
124	Identification of microRNAs in six solanaceous plants and their potential link with phosphate and mycorrhizal signaling. Journal of Integrative Plant Biology, 2014, 56, 1164-1178.	8.5	38
125	Cytoplasmic pH-Stat during Phenanthrene Uptake by Wheat Roots: A Mechanistic Consideration. Environmental Science & Technology, 2015, 49, 6037-6044.	10.0	38
126	Fine characterization of OsPHO2 knockout mutants reveals its key role in Pi utilization in rice. Journal of Plant Physiology, 2014, 171, 340-348.	3.5	37

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127	The components of rice and watermelon root exudates and their effects on pathogenic fungus and watermelon defense. Plant Signaling and Behavior, 2016, 11, e1187357.	2.4	37
128	Tomato sugar transporter genes associated with mycorrhiza and phosphate. Plant Growth Regulation, 2008, 55, 115-123.	3.4	36
129	Nitrate supply affects root growth differentially in two rice cultivars differing in nitrogen use efficiency. Plant and Soil, 2011, 343, 357-368.	3.7	36
130	Adaptation of plasma membrane H+ ATPase and H+ pump to P deficiency in rice roots. Plant and Soil, 2011, 349, 3-11.	3.7	36
131	Influence of heat treatment on crystallization and corrosion behavior of calcium phosphate glass coated AZ31 magnesium alloy by solâ€“gel method. Journal of Non-Crystalline Solids, 2013, 369, 69-75.	3.1	36
132	AMMONIUM ON POTASSIUM INTERACTION IN SWEET PEPPER. Journal of Plant Nutrition, 2002, 25, 719-734.	1.9	33
133	Interactive effects of potassium and sodium on root growth and expression of K/Na transporter genes in rice. Plant Growth Regulation, 2009, 57, 271-280.	3.4	33
134	Molecular Cloning, Characterization and Expression Analysis of Two Members of the Pht1 Family of Phosphate Transporters in Glycine max. PLoS ONE, 2011, 6, e19752.	2.5	33
135	The influence of alkali pretreatments of AZ31 magnesium alloys on bonding of bioglassâ€“ceramic coatings and corrosion resistance for biomedical applications. Ceramics International, 2015, 41, 4590-4600.	4.8	33
136	Response of uptake and translocation of phenanthrene to nitrogen form in lettuce and wheat seedlings. Environmental Science and Pollution Research, 2015, 22, 6280-6287.	5.3	33
137	Overexpression of a High-Affinity Nitrate Transporter OsNRT2.1 Increases Yield and Manganese Accumulation in Rice Under Alternating Wet and Dry Condition. Frontiers in Plant Science, 2018, 9, 1192.	3.6	33
138	Plant nitrogen nutrition: The roles of arbuscular mycorrhizal fungi. Journal of Plant Physiology, 2022, 269, 153591.	3.5	33
139	Effect of Inoculation with Arbuscular Mycorrhizal Fungus on Nitrogen and Phosphorus Utilization in Upland Rice-Mungbean Intercropping System. Agricultural Sciences in China, 2010, 9, 528-535.	0.6	32
140	A mycorrhizaâ€specific H⁺â€ATPase is essential for arbuscule development and symbiotic phosphate and nitrogen uptake. Plant, Cell and Environment, 2020, 43, 1069-1083.	5.7	31
141	Rice plants respond to ammonium stress by adopting a helical root growth pattern. Plant Journal, 2020, 104, 1023-1037.	5.7	31
142	Reciprocal regulation of Ca²⁺â€activated outward K⁺ channels of <i>Pyrus pyrifolia</i> pollen by heme and carbon monoxide. New Phytologist, 2011, 189, 1060-1068.	7.3	30
143	How does phosphate status influence the development of the arbuscular mycorrhizal symbiosis?. Plant Signaling and Behavior, 2011, 6, 1300-1304.	2.4	30
144	Long-term corrosion resistance and fast mineralization behavior of micro-nano hydroxyapatite coated magnesium alloy in vitro. Ceramics International, 2020, 46, 824-832.	4.8	30

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145	The rice phosphate transporter OsPHT1;7 plays a dual role in phosphorus redistribution and anther development. Plant Physiology, 2022, 188, 2272-2288.	4.8	30
146	OsHAK1 controls the vegetative growth and panicle fertility of rice by its effect on potassium-mediated sugar metabolism. Plant Science, 2018, 274, 261-270.	3.6	29
147	INTERACTIVE EFFECT OF NUTRIENT CONCENTRATION AND CONTAINER VOLUME ON FLOWERING, FRUITING, AND NUTRIENT UPTAKE OF SWEET PEPPER. Journal of Plant Nutrition, 2001, 24, 479-501.	1.9	28
148	OsSIZ1 Regulates the Vegetative Growth and Reproductive Development in Rice. Plant Molecular Biology Reporter, 2011, 29, 411-417.	1.8	28
149	Role of arbuscular mycorrhizal network in carbon and phosphorus transfer between plants. Biology and Fertility of Soils, 2013, 49, 3-11.	4.3	28
150	Aquaporin plays an important role in mediating chloroplastic <scp>CO₂</scp> concentration under highâ€N supply in rice (<i>Oryza sativa</i>) plants. Physiologia Plantarum, 2016, 156, 215-226.	5.2	28
151	<scp>l</scp>â€cysteine desulfhydraseâ€related H₂S production is involved in <i>OsSE5</i>â€promoted ammonium tolerance in roots of <scp><i>Oryza sativa</i></scp>. Plant, Cell and Environment, 2017, 40, 1777-1790.	5.7	28
152	Multiple roles of nitric oxide in root development and nitrogen uptake. Plant Signaling and Behavior, 2017, 12, e1274480.	2.4	28
153	A Strigolactone Signal Inhibits Secondary Lateral Root Development in Rice. Frontiers in Plant Science, 2019, 10, 1527.	3.6	28
154	An integrated metabolic consequence of Hepatospora eriocheir infection in the Chinese mitten crab Eriocheir sinensis. Fish and Shellfish Immunology, 2018, 72, 443-451.	3.6	27
155	Enhanced corrosion resistance and bonding strength of Mg substituted Î²-tricalcium phosphate/Mg(OH)2 composite coating on magnesium alloys via one-step hydrothermal method. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 547-555.	3.1	26
156	Mutation of the chloroplastâ€localized phosphate transporter OsPHT2;1 reduces flavonoid accumulation and UV tolerance in rice. Plant Journal, 2020, 102, 53-67.	5.7	26
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