Guo-hua Xu

List of Publications by Year
in descending order

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	Rice seedlings grown under high ammonia do not show enhanced defence responses. Food and Energy Security, 2022, 11, e331.	4.3	3
2	Auxinâ€mediated regulation of arbuscular mycorrhizal symbiosis: A role of SlGH3.4 in tomato. Plant, Cell and Environment, 2022, 45, 955-968.	5.7	20
3	Plant nitrogen nutrition: The roles of arbuscular mycorrhizal fungi. Journal of Plant Physiology, 2022, 269, 153591.	3.5	33
4	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
5	The rice transcription factor Nhd1 regulates root growth and nitrogen uptake by activating nitrogen transporters. Plant Physiology, 2022, 189, 1608-1624.	4.8	21
6	Function of Rice High-Affinity Potassium Transporters in Pollen Development and Fertility. Plant and Cell Physiology, 2022, 63, 967-980.	3.1	6
7	Nitrogen Mediates Flowering Time and Nitrogen Use Efficiency via Floral Regulators in Rice. Current Biology, 2021, 31, 671-683.e5.	3.9	63
8	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
9	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
10	Expressing Phosphate Transporter PvPht2;1 Enhances P Transport to the Chloroplasts and Increases Arsenic Tolerance in <i>Arabidopsis thaliana</i>. Environmental Science & Technology, 2021, 55, 2276-2284.	10.0	13
11	Modulation of plant root traits by nitrogen and phosphate: transporters, long-distance signaling proteins and peptides, and potential artificial traps. Breeding Science, 2021, 71, 62-75.	1.9	5
12	Plasma membrane H+-ATPase overexpression increases rice yield via simultaneous enhancement of nutrient uptake and photosynthesis. Nature Communications, 2021, 12, 735.	12.8	97
13	Plant DNA methylation is sensitive to parent seed N content and influences the growth of rice. BMC Plant Biology, 2021, 21, 211.	3.6	7
14	Sulfoquinovosyl diacylglycerol synthase 1 impairs glycolipid accumulation and photosynthesis in phosphate-deprived rice. Journal of Experimental Botany, 2021, 72, 6510-6523.	4.8	9
15	Function, transport, and regulation of amino acids: What is missing in rice?. Crop Journal, 2021, 9, 530-542.	5.2	43
16	OsWRKY108 is an integrative regulator of phosphorus homeostasis and leaf inclination in rice. Plant Signaling and Behavior, 2021, 16, 1976545.	2.4	1
17	Overexpression of OsPHR3 improves growth traits and facilitates nitrogen use efficiency under low phosphate condition. Plant Physiology and Biochemistry, 2021, 166, 712-722.	5.8	5
18	Characterization of two cis-acting elements, P1BS and W-box, in the regulation of OsPT6 responsive to phosphors deficiency. Plant Growth Regulation, 2021, 93, 303-310.	3.4	7

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19	Increased glutamine synthetase by overexpression of TaGS1 improves grain yield and nitrogen use efficiency in rice. Plant Physiology and Biochemistry, 2021, 169, 259-268.	5.8	10
20	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
21	Theanine transporters identified in tea plants (<i>Camellia sinensis</i> L.). Plant Journal, 2020, 101, 57-70.	5.7	85
22	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
23	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
24	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
25	Two ADPâ€glucose pyrophosphorylase subunits, OsAGPL1 and OsAGPS1, modulate phosphorus homeostasis in rice. Plant Journal, 2020, 104, 1269-1284.	5.7	16
26	Improving nitrogen use efficiency: from cells to plant systems. Journal of Experimental Botany, 2020, 71, 4359-4364.	4.8	15
27	Rice OsLHT1 Functions in Leaf-to-Panicle Nitrogen Allocation for Grain Yield and Quality. Frontiers in Plant Science, 2020, 11, 1150.	3.6	49
28	Nitrogenâ€induced acidification, not Nâ€nutrient, dominates suppressive N effects on arbuscular mycorrhizal fungi. Global Change Biology, 2020, 26, 6568-6580.	9.5	64
29	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
30	Rice plants respond to ammonium stress by adopting a helical root growth pattern. Plant Journal, 2020, 104, 1023-1037.	5.7	31
31	Controllable Synthesis of Nanostructured Ca-P Coating on Magnesium Alloys via Sodium Citrate Template-Assisted Hydrothermal Method and Its Corrosion Resistance. Coatings, 2020, 10, 1232.	2.6	1
32	<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
33	Plant nitrogen uptake and assimilation: regulation of cellular pH homeostasis. Journal of Experimental Botany, 2020, 71, 4380-4392.	4.8	89
34	Plant abiotic stress response and nutrient use efficiency. Science China Life Sciences, 2020, 63, 635-674.	4.9	689
35	Genetic and Global Epigenetic Modification, Which Determines the Phenotype of Transgenic Rice?. International Journal of Molecular Sciences, 2020, 21, 1819.	4.1	12
36	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

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37	The ferroxidase LPR5 functions in the maintenance of phosphate homeostasis and is required for normal growth and development of rice. Journal of Experimental Botany, 2020, 71, 4828-4842.	4.8	21
38	Function of NHX-type transporters in improving rice tolerance to aluminum stress and soil acidity. Planta, 2020, 251, 71.	3.2	23
39	OsNAR2.1 Interaction with OsNIT1 and OsNIT2 Functions in Root-growth Responses to Nitrate and Ammonium. Plant Physiology, 2020, 183, 289-303.	4.8	23
40	Overexpression of the High-Affinity Nitrate Transporter OsNRT2.3b Driven by Different Promoters in Barley Improves Yield and Nutrient Uptake Balance. International Journal of Molecular Sciences, 2020, 21, 1320.	4.1	17
41	OsPDR2 mediates the regulation on the development response and maintenance of Pi homeostasis in rice. Plant Physiology and Biochemistry, 2020, 149, 1-10.	5.8	10
42	The Potassium Transporter OsHAK5 Alters Rice Architecture via ATP-Dependent Transmembrane Auxin Fluxes. Plant Communications, 2020, 1, 100052.	7.7	40
43	<scp><i>OsSQD1</i></scp> at the crossroads of phosphate and sulfur metabolism affects plant morphology and lipid composition in response to phosphate deprivation. Plant, Cell and Environment, 2020, 43, 1669-1690.	5.7	16
44	How does nitrogen shape plant architecture?. Journal of Experimental Botany, 2020, 71, 4415-4427.	4.8	90
45	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
46	Cadmium stress suppresses lateral root formation by interfering with the root clock. Plant, Cell and Environment, 2019, 42, 3182-3196.	5.7	18
47	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
48	Overexpression of OsPIN2 Regulates Root Growth and Formation in Response to Phosphate Deficiency in Rice. International Journal of Molecular Sciences, 2019, 20, 5144.	4.1	25
49	The indica nitrate reductase gene OsNR2 allele enhances rice yield potential and nitrogen use efficiency. Nature Communications, 2019, 10, 5207.	12.8	151
50	Rice OsHAK16 functions in potassium uptake and translocation in shoot, maintaining potassium homeostasis and salt tolerance. Planta, 2019, 250, 549-561.	3.2	55
51	Functional characterization of OsHAK1 promoter in response to osmotic/drought stress by deletion analysis in transgenic rice. Plant Growth Regulation, 2019, 88, 241-251.	3.4	14
52	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
53	A Transcription Factor, OsMADS57, Regulates Long-Distance Nitrate Transport and Root Elongation. Plant Physiology, 2019, 180, 882-895.	4.8	60
54	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

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55	Developmental analysis of the early steps in strigolactoneâ€mediated axillary bud dormancy in rice. Plant Journal, 2019, 97, 1006-1021.	5.7	45
56	The Potassium Transporter SlHAK10 Is Involved in Mycorrhizal Potassium Uptake. Plant Physiology, 2019, 180, 465-479.	4.8	60
57	A Strigolactone Signal Inhibits Secondary Lateral Root Development in Rice. Frontiers in Plant Science, 2019, 10, 1527.	3.6	28
58	OsPHT1;3 Mediates Uptake, Translocation, and Remobilization of Phosphate under Extremely Low Phosphate Regimes. Plant Physiology, 2019, 179, 656-670.	4.8	105
59	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
60	OsSIZ2 regulates nitrogen homeostasis and some of the reproductive traits in rice. Journal of Plant Physiology, 2019, 232, 51-60.	3.5	9
61	Mechanism of application nursery cultivation arbuscular mycorrhizal seedling in watermelon in the field. Annals of Applied Biology, 2019, 174, 51-60.	2.5	10
62	OsASN1 Plays a Critical Role in Asparagine-Dependent Rice Development. International Journal of Molecular Sciences, 2019, 20, 130.	4.1	50
63	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
64	Strigolactones affect the translocation of nitrogen in rice. Plant Science, 2018, 270, 190-197.	3.6	25
65	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
66	Driving the expression of RAA1 with a drought-responsive promoter enhances root growth in rice, its accumulation of potassium and its tolerance to moisture stress. Environmental and Experimental Botany, 2018, 147, 147-156.	4.2	25
67	Divergence and evolution of cotton bHLH proteins from diploid to allotetraploid. BMC Genomics, 2018, 19, 162.	2.8	5
68	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
69	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
70	Transport properties and regulatory roles of nitrogen in arbuscular mycorrhizal symbiosis. Seminars in Cell and Developmental Biology, 2018, 74, 80-88.	5.0	41
71	Plant HAK/KUP/KT K+ transporters: Function and regulation. Seminars in Cell and Developmental Biology, 2018, 74, 133-141.	5.0	139
72	Sensing and transport of nutrients in plants. Seminars in Cell and Developmental Biology, 2018, 74, 78-79.	5.0	6

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73	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
74	Apoplastic and symplastic uptake of phenanthrene in wheat roots. Environmental Pollution, 2018, 233, 331-339.	7.5	51
75	Phytohormones Regulate the Development of Arbuscular Mycorrhizal Symbiosis. International Journal of Molecular Sciences, 2018, 19, 3146.	4.1	93
76	OsPHR3 affects the traits governing nitrogen homeostasis in rice. BMC Plant Biology, 2018, 18, 241.	3.6	15
77	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
78	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
79	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
80	<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
81	Nitrate increases ethylene production and aerenchyma formation in roots of lowland rice plants under water stress. Functional Plant Biology, 2017, 44, 430.	2.1	14
82	Nitrogen deficiency inhibits cell division-determined elongation, but not initiation, of rice tiller buds. Israel Journal of Plant Sciences, 2017, 64, 1-9.	0.5	13
83	Overexpression of the nitrate transporter, OsNRT2.3b, improves rice phosphorus uptake and translocation. Plant Cell Reports, 2017, 36, 1287-1296.	5.6	41
84	<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
85	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
86	Plant nitrogen nutrition: sensing and signaling. Current Opinion in Plant Biology, 2017, 39, 57-65.	7.1	178
87	Three cis-Regulatory Motifs, AuxRE, MYCRS1 and MYCRS2, are Required for Modulating the Auxin- and Mycorrhiza-Responsive Expression of a Tomato GH3 Gene. Plant and Cell Physiology, 2017, 58, 770-778.	3.1	10
88	Plant nitrate transporters: from gene function to application. Journal of Experimental Botany, 2017, 68, 2463-2475.	4.8	237
89	Multiple roles of nitric oxide in root development and nitrogen uptake. Plant Signaling and Behavior, 2017, 12, e1274480.	2.4	28
90	OsSIZ2 exerts regulatory influences on the developmental responses and phosphate homeostasis in rice. Scientific Reports, 2017, 7, 12280.	3.3	11

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91	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
92	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
93	Characterization of the MAPK Gene Family and PbrMAPK13 Response to Hormone and Temperature Stresses via Different Expression Pattern in Pyrus Ã—bretschneideri Pollen. Journal of the American Society for Horticultural Science, 2017, 142, 163-174.	1.0	4
94	Phenanthrene-responsive microRNAs and their targets in wheat roots. Chemosphere, 2017, 186, 588-598.	8.2	18
95	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
96	OsHAK1, a High-Affinity Potassium Transporter, Positively Regulates Responses to Drought Stress in Rice. Frontiers in Plant Science, 2017, 8, 1885.	3.6	83
97	A sensitive synthetic reporter for visualizing cytokinin signaling output in rice. Plant Methods, 2017, 13, 89.	4.3	16
98	Variation in the Abundance of OsHAK1 Transcript Underlies the Differential Salinity Tolerance of an indica and a japonica Rice Cultivar. Frontiers in Plant Science, 2017, 8, 2216.	3.6	20
99	Identification and expression analysis of OsLPR family revealed the potential roles of OsLPR3 and 5 in maintaining phosphate homeostasis in rice. BMC Plant Biology, 2016, 16, 210.	3.6	16
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	Analysis of tomato plasma membrane H+-ATPase gene family suggests a mycorrhiza-mediated regulatory mechanism conserved in diverse plant species. Mycorrhiza, 2016, 26, 645-656.	2.8	23
108	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

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109	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
110	The role of strigolactones in root development. Plant Signaling and Behavior, 2016, 11, e1110662.	2.4	48
111	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
112	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
113	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
114	A strigolactone signal is required for adventitious root formation in rice. Annals of Botany, 2015, 115, 1155-1162.	2.9	65
115	Root aeration improves growth and nitrogen accumulation in rice seedlings under low nitrogen. AoB PLANTS, 2015, 7, plv131.	2.3	24
116	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
117	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
118	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
119	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
120	Impact of phenanthrene exposure on activities of nitrate reductase, phosphoenolpyruvate carboxylase, vacuolar H+-pyrophosphatase and plasma membrane H+-ATPase in roots of soybean, wheat and carrot. Environmental and Experimental Botany, 2015, 113, 59-66.	4.2	21
121	Two short sequences in OsNAR2.1 promoter are necessary for fully activating the nitrate induced gene expression in rice roots. Scientific Reports, 2015, 5, 11950.	3.3	8
122	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
123	Cytoplasmic pH-Stat during Phenanthrene Uptake by Wheat Roots: A Mechanistic Consideration. Environmental Science & Technology, 2015, 49, 6037-6044.	10.0	38
124	The enhanced drought tolerance of rice plants under ammonium is related to aquaporin (AQP). Plant Science, 2015, 234, 14-21.	3.6	103
125	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
126	<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

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127	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
128	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
129	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
130	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
131	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
132	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
133	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
134	In memory of Professor Ping Wu (1957â€“2014). Journal of Integrative Plant Biology, 2014, 56, 710-711.	8.5	0
135	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
136	Plant salt-tolerance mechanisms. Trends in Plant Science, 2014, 19, 371-379.	8.8	1,343
137	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
138	Effect of phenanthrene uptake on membrane potential in roots of soybean, wheat and carrot. Environmental and Experimental Botany, 2014, 99, 53-58.	4.2	16
139	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
140	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
141	Functional analyses of a putative plasma membrane Na+/H+ antiporter gene isolated from salt tolerant Helianthus tuberosus. Molecular Biology Reports, 2014, 41, 5097-5108.	2.3	24
142	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
143	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
144	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

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145	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
146	Citrate exudation induced by aluminum is independent of plasma membrane H+-ATPase activity and coupled with potassium efflux from cluster roots of phosphorus-deficient white lupin. Plant and Soil, 2013, 366, 389-400.	3.7	12
147	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
148	Increased photosynthetic capacity in response to nitrate is correlated with enhanced cytokinin levels in rice cultivar with high responsiveness to nitrogen nutrients. Plant and Soil, 2013, 373, 981-993.	3.7	14
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	Optimizing plant transporter expression in Xenopus oocytes. Plant Methods, 2013, 9, 48.	4.3	21
151	Interaction of phenanthrene and potassium uptake by wheat roots: a mechanistic model. BMC Plant Biology, 2013, 13, 168.	3.6	13
152	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
153	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
154	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
155	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
156	Nitrogen and Phosphorus Uptake and Utilization. , 2013, , 217-226.		1
157	Nanoporous 45S5 Glass-Ceramics/Crosslinked Gelatin Coated Magnesium Alloy with Improved Corrosion Resistance and Apatite Forming Ability. Science of Advanced Materials, 2013, 5, 1458-1466.	0.7	4
158	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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