

Min Yu

List of Publications by Year in descending order

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99
papers

6,220
citations

136950

32
h-index

74163

75
g-index

101
all docs

101
docs citations

101
times ranked

10728
citing authors

#	ARTICLE	IF	CITATIONS
1	The aluminum tolerance and detoxification mechanisms in plants; recent advances and prospects. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1491-1527.	12.8	31
2	Cadmium-induced changes in composition and co-metabolism of glycerolipids species in wheat root: Glycerolipidomic and transcriptomic approach. <i>Journal of Hazardous Materials</i> , 2022, 423, 127115.	12.4	8
3	Nucleotide-binding leucine-rich repeat proteins: a missing link in controlling cell fate and plant adaptation to hostile environment?. <i>Journal of Experimental Botany</i> , 2022, 73, 631-635.	4.8	1
4	Cation transporters in cell fate determination and plant adaptive responses to a low-oxygen environment. <i>Journal of Experimental Botany</i> , 2022, 73, 636-645.	4.8	7
5	Rewilding staple crops for the lost halophytism: Toward sustainability and profitability of agricultural production systems. <i>Molecular Plant</i> , 2022, 15, 45-64.	8.3	23
6	Transcriptome analyses of quinoa leaves revealed critical function of epidermal bladder cells in salt stress acclimation. <i>Plant Stress</i> , 2022, 3, 100061.	5.5	4
7	Application of omics technologies in single-type guard cell studies for understanding the mechanistic basis of plant adaptation to saline conditions. <i>Advances in Botanical Research</i> , 2022, , 249-270.	1.1	2
8	Comparative Analysis of Root Na ⁺ Relation under Salinity between <i>Oryza sativa</i> and <i>Oryza coarctata</i> . <i>Plants</i> , 2022, 11, 656.	3.5	7
9	pH-Dependent mitigation of aluminum toxicity in pea (<i>Pisum sativum</i>) roots by boron. <i>Plant Science</i> , 2022, 318, 111208.	3.6	7
10	A novel R3H protein, OsDIP1, confers ABA-mediated adaptation to drought and salinity stress in rice. <i>Plant and Soil</i> , 2022, 477, 501-519.	3.7	1
11	Local and systemic responses conferring acclimation of <i>Brassica napus</i> roots to low phosphorus conditions. <i>Journal of Experimental Botany</i> , 2022, 73, 4753-4777.	4.8	9
12	Jasmonate signaling and remodeling of cell wall metabolism induced by boron deficiency in pea shoots. <i>Environmental and Experimental Botany</i> , 2022, 201, 104947.	4.2	14
13	Highly efficient removal of cadmium from aqueous solution by ammonium polyphosphate-modified biochar. <i>Chemosphere</i> , 2022, 305, 135471.	8.2	20
14	Non-stomatal limitation of photosynthesis by soil salinity. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 791-825.	12.8	129
15	Salinity Effects on Guard Cell Proteome in <i>Chenopodium quinoa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 428.	4.1	20
16	The benefit of leafy vegetable as catch crop to mitigate N and P leaching losses in intensive plastic-shed production system. <i>Journal of Soils and Sediments</i> , 2021, 21, 2253-2261.	3.0	5
17	Biochemical and biophysical pH clamp controlling Net H ⁺ efflux across the plasma membrane of plant cells. <i>New Phytologist</i> , 2021, 230, 408-415.	7.3	25
18	Hypoxia-induced increase in GABA content is essential for restoration of membrane potential and preventing ROS-induced disturbance to ion homeostasis. <i>Plant Communications</i> , 2021, 2, 100188.	7.7	47

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19	Rewilding crops for climate resilience: economic analysis and <i>de novo</i> domestication strategies. <i>Journal of Experimental Botany</i> , 2021, 72, 6123-6139.	4.8	52
20	Revealing the Role of the Calcineurin B-Like Protein-Interacting Protein Kinase 9 (CIPK9) in Rice Adaptive Responses to Salinity, Osmotic Stress, and K ⁺ Deficiency. <i>Plants</i> , 2021, 10, 1513.	3.5	9
21	Strong Emergence in Biological Systems: Is It Open to Mathematical Reasoning?. <i>Acta Biotheoretica</i> , 2021, 69, 841-856.	1.5	4
22	Phosphoinositides: Emerging players in plant salinity stress tolerance. <i>Molecular Plant</i> , 2021, 14, 1973-1975.	8.3	2
23	Ionomics analysis provides new insights into the co-enrichment of cadmium and zinc in wheat grains. <i>Ecotoxicology and Environmental Safety</i> , 2021, 223, 112623.	6.0	16
24	Arsenic transport and interaction with plant metabolism: Clues for improving agricultural productivity and food safety. <i>Environmental Pollution</i> , 2021, 290, 117987.	7.5	54
25	Effects of Potassium Availability on Growth and Development of Barley Cultivars. <i>Agronomy</i> , 2021, 11, 2269.	3.0	6
26	Comparing Kinetics of Xylem Ion Loading and Its Regulation in Halophytes and Glycophytes. <i>Plant and Cell Physiology</i> , 2020, 61, 403-415.	3.1	22
27	NADPH oxidases and the evolution of plant salinity tolerance. <i>Plant, Cell and Environment</i> , 2020, 43, 2957-2968.	5.7	49
28	Changes in Expression Level of OsHKT1;5 Alters Activity of Membrane Transporters Involved in K ⁺ and Ca ²⁺ Acquisition and Homeostasis in Salinized Rice Roots. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4882.	4.1	23
29	Calcium-Dependent Hydrogen Peroxide Mediates Hydrogen-Rich Water-Reduced Cadmium Uptake in Plant Roots. <i>Plant Physiology</i> , 2020, 183, 1331-1344.	4.8	34
30	Understanding the mechanistic basis of ameliorating effects of hydrogen rich water on salinity tolerance in barley. <i>Environmental and Experimental Botany</i> , 2020, 177, 104136.	4.2	8
31	Reducing Cadmium Accumulation in Plants: Structure-Function Relations and Tissue-Specific Operation of Transporters in the Spotlight. <i>Plants</i> , 2020, 9, 223.	3.5	88
32	Sodium Influx and Potassium Efflux Currents in Sunflower Root Cells Under High Salinity. <i>Frontiers in Plant Science</i> , 2020, 11, 613936.	3.6	9
33	Crop Halophytism: An Environmentally Sustainable Solution for Global Food Security. <i>Trends in Plant Science</i> , 2020, 25, 630-634.	8.8	77
34	Hydrogen peroxide sensor HPCA1 is an LRR receptor kinase in Arabidopsis. <i>Nature</i> , 2020, 578, 577-581.	27.8	334
35	Hydrogen-rich water promotes elongation of hypocotyls and roots in plants through mediating the level of endogenous gibberellin and auxin. <i>Functional Plant Biology</i> , 2020, 47, 771.	2.1	15
36	An RNA-binding protein MUG13.4 interacts with AtAGO2 to modulate salinity tolerance in Arabidopsis. <i>Plant Science</i> , 2019, 288, 110218.	3.6	9

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37	GABA operates upstream of H ⁺ -ATPase and improves salinity tolerance in Arabidopsis by enabling cytosolic K ⁺ retention and Na ⁺ exclusion. <i>Journal of Experimental Botany</i> , 2019, 70, 6349-6361.	4.8	73
38	Light- and Temperature-Induced Expression of an R2R3-MYB Gene Regulates Anthocyanin Biosynthesis in Red-Fleshed Kiwifruit. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5228.	4.1	31
39	Ideal Cereals With Lower Arsenic and Cadmium by Accurately Enhancing Vacuolar Sequestration Capacity. <i>Frontiers in Genetics</i> , 2019, 10, 322.	2.3	41
40	Extracellular silica nanocoat formed by layer-by-layer (LBL) self-assembly confers aluminum resistance in root border cells of pea (<i>Pisum sativum</i>). <i>Journal of Nanobiotechnology</i> , 2019, 17, 53.	9.1	15
41	Identification of QTL Related to ROS Formation under Hypoxia and Their Association with Waterlogging and Salt Tolerance in Barley. <i>International Journal of Molecular Sciences</i> , 2019, 20, 699.	4.1	42
42	The loss of RBOHD function modulates root adaptive responses to combined hypoxia and salinity stress in Arabidopsis. <i>Environmental and Experimental Botany</i> , 2019, 158, 125-135.	4.2	29
43	Biochar application mode influences nitrogen leaching and NH ₃ volatilization losses in a rice paddy soil irrigated with N-rich wastewater. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2090-2096.	2.2	22
44	Effects of exogenously-applied L-ascorbic acid on root expansive growth and viability of the border-like cells. <i>Plant Signaling and Behavior</i> , 2018, 13, e1514895.	2.4	5
45	Boron Alleviates Aluminum Toxicity by Promoting Root Alkalinization in Transition Zone via Polar Auxin Transport. <i>Plant Physiology</i> , 2018, 177, 1254-1266.	4.8	65
46	Revealing mechanisms of salinity tissue tolerance in succulent halophytes: a case study for <i>Carpobrotus rossi</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 2654-2667.	5.7	33
47	Boron Supply Enhances Aluminum Tolerance in Root Border Cells of Pea (<i>Pisum sativum</i>) by Interacting with Cell Wall Pectins. <i>Frontiers in Plant Science</i> , 2017, 8, 742.	3.6	34
48	Lyn Delivers Bacteria to Lysosomes for Eradication through TLR2-Initiated Autophagy Related Phagocytosis. <i>PLoS Pathogens</i> , 2016, 12, e1005363.	4.7	49
49	Cell Wall Pectin and its Methyl-esterification in Transition Zone Determine Al Resistance in Cultivars of Pea (<i>Pisum sativum</i>). <i>Frontiers in Plant Science</i> , 2016, 7, 39.	3.6	41
50	Alkali-Soluble Pectin Is the Primary Target of Aluminum Immobilization in Root Border Cells of Pea (<i>Pisum sativum</i>). <i>Frontiers in Plant Science</i> , 2016, 7, 1297.	3.6	24
51	Integrated Computational and Experimental Structure Refinement for Nanoparticles. <i>ACS Nano</i> , 2016, 10, 4031-4038.	14.6	25
52	Hairy Canola (<i>Brassica napus</i>) re-visited: Down-regulating TTG1 in an AtGL3-enhanced hairy leaf background improves growth, leaf trichome coverage, and metabolite gene expression diversity. <i>BMC Plant Biology</i> , 2016, 16, 12.	3.6	18
53	Aryl Hydrocarbon Receptor Activation in Intestinal Obstruction Ameliorates Intestinal Barrier Dysfunction Via Suppression of MLCK-MLC Phosphorylation Pathway. <i>Shock</i> , 2016, 46, 319-328.	2.1	39
54	Mutations in <i>TUBB8</i> and Human Oocyte Meiotic Arrest. <i>New England Journal of Medicine</i> , 2016, 374, 223-232.	27.0	212

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55	MWCNTs Induce ROS Generation, ERK Phosphorylation, and SOD-2 Expression in Human Mesothelial Cells. <i>International Journal of Toxicology</i> , 2016, 35, 17-26.	1.2	19
56	Folic Acid Alters Methylation Profile of JAK-STAT and Long-Term Depression Signaling Pathways in Alzheimer's Disease Models. <i>Molecular Neurobiology</i> , 2016, 53, 6548-6556.	4.0	27
57	The <i>Helicobacter pylori</i> Cag Pathogenicity Island Protein Cag1 is Associated with the Function of T4SS. <i>Current Microbiology</i> , 2016, 73, 22-30.	2.2	8
58	Inequality trends of health workforce in different stages of medical system reform (1985-2011) in China. <i>Human Resources for Health</i> , 2015, 13, 94.	3.1	55
59	Metabolic Phenotypes in Pancreatic Cancer. <i>PLoS ONE</i> , 2015, 10, e0115153.	2.5	34
60	A Novel Role of OS-9 in the Maintenance of Intestinal Barrier Function from Hypoxia-induced Injury via p38-dependent Pathway. <i>International Journal of Biological Sciences</i> , 2015, 11, 664-671.	6.4	11
61	Folic acid administration inhibits amyloid β -peptide accumulation in APP/PS1 transgenic mice. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 883-891.	4.2	46
62	An ionic electro-active actuator made with graphene film electrode, chitosan and ionic liquid. <i>Smart Materials and Structures</i> , 2015, 24, 065026.	3.5	25
63	Synthesis of Tridecaptin Antibiotic Conjugates with in Vivo Activity against Gram-Negative Bacteria. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9779-9785.	6.4	51
64	Genomic analysis of <i>Luteimonas abyssi</i> XH031T: insights into its adaption to the subseafloor environment of South Pacific Gyre and ecological role in biogeochemical cycle. <i>BMC Genomics</i> , 2015, 16, 1092.	2.8	22
65	Modeling of IPMC Cantilever's Displacements and Blocking Forces. <i>Journal of Bionic Engineering</i> , 2015, 12, 142-151.	5.0	22
66	Genome analysis of <i>Flaviramulus ichthyoenteri</i> Th78T in the family Flavobacteriaceae: insights into its quorum quenching property and potential roles in fish intestine. <i>BMC Genomics</i> , 2015, 16, 38.	2.8	22
67	Postoperative Complications Affect Long-Term Survival Outcomes Following Hepatic Resection for Colorectal Liver Metastasis. <i>World Journal of Surgery</i> , 2015, 39, 1818-1827.	1.6	28
68	Aryl Hydrocarbon Receptor Activation Down-Regulates IL-7 and Reduces Inflammation in a Mouse Model of DSS-Induced Colitis. <i>Digestive Diseases and Sciences</i> , 2015, 60, 1958-1966.	2.3	70
69	Analysis of global gene expression profiles suggests a role of acute inflammation in type 3C diabetes mellitus caused by pancreatic ductal adenocarcinoma. <i>Diabetologia</i> , 2015, 58, 835-844.	6.3	13
70	Par-3 modulates intestinal epithelial barrier function through regulating intracellular trafficking of occludin and myosin light chain phosphorylation. <i>Journal of Gastroenterology</i> , 2015, 50, 1103-1113.	5.1	19
71	Glutamate dehydrogenase is a novel prognostic marker and predicts metastases in colorectal cancer patients. <i>Journal of Translational Medicine</i> , 2015, 13, 144.	4.4	70
72	Hepatitis B Virus Combo Mutations Improve the Prediction and Active Prophylaxis of Hepatocellular Carcinoma: A Clinic-Based Cohort Study. <i>Cancer Prevention Research</i> , 2015, 8, 978-988.	1.5	21

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73	Conductor Performance of TFCN4 and TFCN5 Samples for ITER TF Coils. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	6
74	Extravascular Red Blood Cells and Hemoglobin Promote Tumor Growth and Therapeutic Resistance as Endogenous Danger Signals. Journal of Immunology, 2015, 194, 429-437.	0.8	31
75	Peptide α -Aminoanilides as Crypto α -Thioesters for Protein Chemical Synthesis. Angewandte Chemie - International Edition, 2015, 54, 2194-2198.	13.8	129
76	Inhibition of glutamine metabolism counteracts pancreatic cancer stem cell features and sensitizes cells to radiotherapy. Oncotarget, 2015, 6, 31151-31163.	1.8	76
77	Novel flower-shaped albumin particles as controlled-release carriers for drugs to penetrate the round-window membrane. International Journal of Nanomedicine, 2014, 9, 3193.	6.7	5
78	The Canonical Notch Signaling Was Involved in the Regulation of Intestinal Epithelial Cells Apoptosis after Intestinal Ischemia/Reperfusion Injury. International Journal of Molecular Sciences, 2014, 15, 7883-7896.	4.1	14
79	Draft Genome Sequences of Three Escherichia coli Strains Investigated for the Effects of Lysogeny on Niche Diversification. Genome Announcements, 2014, 2, .	0.8	1
80	Visnagin protects against doxorubicin-induced cardiomyopathy through modulation of mitochondrial malate dehydrogenase. Science Translational Medicine, 2014, 6, 266ra170.	12.4	109
81	Disturbance of intraepithelial lymphocytes in a murine model of acute intestinal ischemia/reperfusion. Journal of Molecular Histology, 2014, 45, 217-227.	2.2	18
82	Draft Genome Sequence of Escherichia coli E1728 Isolated from Marine Sediment in Hong Kong. Genome Announcements, 2014, 2, .	0.8	0
83	Bioengineered Implantable Scaffolds as a Tool to Study Stromal-Derived Factors in Metastatic Cancer Models. Cancer Research, 2014, 74, 7229-7238.	0.9	56
84	Circulating Tumor Cell Clusters Are Oligoclonal Precursors of Breast Cancer Metastasis. Cell, 2014, 158, 1110-1122.	28.9	1,960
85	Ex vivo culture of circulating breast tumor cells for individualized testing of drug susceptibility. Science, 2014, 345, 216-220.	12.6	808
86	Using Molecular Design to Control the Performance of Hydrogen-Producing Polymer-Brush-Modified Photocathodes. Journal of Physical Chemistry Letters, 2014, 5, 3222-3226.	4.6	52
87	Adhesion characteristics of a novel synthetic polydimethylsiloxane for bionic adhesive pads. Journal of Bionic Engineering, 2014, 11, 371-377.	5.0	13
88	Bovine serum albumin nanoparticles as controlled release carrier for local drug delivery to the inner ear. Nanoscale Research Letters, 2014, 9, 343.	5.7	116
89	Association between Helicobacter pylori Infection and Stroke: A Meta-analysis of Prospective Observational Studies. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 2233-2239.	1.6	29
90	RAGE/NF- κ B Pathway Mediates Lipopolysaccharide-Induced Inflammation in Alveolar Type I Epithelial Cells Isolated from Neonate Rats. Inflammation, 2014, 37, 1623-1629.	3.8	19

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91	Macrophage migration inhibitory factor is overexpressed in pancreatic cancer tissues and impairs insulin secretion function of β -cell. <i>Journal of Translational Medicine</i> , 2014, 12, 92.	4.4	29
92	Microstructure and corrosion behavior of cold sprayed SiCp/Al 5056 composite coatings. <i>Surface and Coatings Technology</i> , 2014, 251, 264-275.	4.8	55
93	Pre-clinical toxicokinetics and safety study of M2ES, a PEGylated recombinant human endostatin, in rhesus monkeys. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 69, 512-523.	2.7	8
94	Associations of Cigarette Smoking and Alcohol Consumption With Metabolic Syndrome in a Male Chinese Population: A Cross-Sectional Study. <i>Journal of Epidemiology</i> , 2014, 24, 361-369.	2.4	33
95	Marked tumor response to crizotinib after 4 years of maintenance pemetrexed in a patient with anaplastic lymphoma kinase-positive non-small-cell lung cancer. <i>Molecular and Clinical Oncology</i> , 2014, 2, 567-570.	1.0	2
96	Protective role of mucilage against Al toxicity to root apex of pea (<i>Pisum sativum</i>). <i>Acta Physiologiae Plantarum</i> , 2012, 34, 1261-1266.	2.1	9
97	Boron alleviates aluminum toxicity in pea (<i>Pisum sativum</i>). <i>Plant and Soil</i> , 2009, 314, 87-98.	3.7	60
98	The role of root border cells in aluminum resistance of pea (<i>Pisum sativum</i>) grown in mist culture. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 528-534.	1.9	32
99	Mist culture for mass harvesting of root border cells: aluminum effects. <i>Journal of Plant Nutrition and Soil Science</i> , 2006, 169, 670-674.	1.9	18