

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	Circulating Tumor Cell Clusters Are Oligoclonal Precursors of Breast Cancer Metastasis. <i>Cell</i> , 2014, 158, 1110-1122.	28.9	1,960
2	Ex vivo culture of circulating breast tumor cells for individualized testing of drug susceptibility. <i>Science</i> , 2014, 345, 216-220.	12.6	808
3	Hydrogen peroxide sensor HPCA1 is an LRR receptor kinase in Arabidopsis. <i>Nature</i> , 2020, 578, 577-581.	27.8	334
4	Mutations in <i>TUBB8</i> and Human Oocyte Meiotic Arrest. <i>New England Journal of Medicine</i> , 2016, 374, 223-232.	27.0	212
5	Peptide α -Aminoanilides as Cryptothioesters for Protein Chemical Synthesis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2194-2198.	13.8	129
6	Non-stomatal limitation of photosynthesis by soil salinity. <i>Critical Reviews in Environmental Science and Technology</i> , 2021, 51, 791-825.	12.8	129
7	Bovine serum albumin nanoparticles as controlled release carrier for local drug delivery to the inner ear. <i>Nanoscale Research Letters</i> , 2014, 9, 343.	5.7	116
8	Visnagin protects against doxorubicin-induced cardiomyopathy through modulation of mitochondrial malate dehydrogenase. <i>Science Translational Medicine</i> , 2014, 6, 266ra170.	12.4	109
9	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
10	Crop Halophytism: An Environmentally Sustainable Solution for Global Food Security. <i>Trends in Plant Science</i> , 2020, 25, 630-634.	8.8	77
11	Inhibition of glutamine metabolism counteracts pancreatic cancer stem cell features and sensitizes cells to radiotherapy. <i>Oncotarget</i> , 2015, 6, 31151-31163.	1.8	76
12	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
13	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
14	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
15	Boron Alleviates Aluminum Toxicity by Promoting Root Alkalization in Transition Zone via Polar Auxin Transport. <i>Plant Physiology</i> , 2018, 177, 1254-1266.	4.8	65
16	Boron alleviates aluminum toxicity in pea (<i>Pisum sativum</i>). <i>Plant and Soil</i> , 2009, 314, 87-98.	3.7	60
17	Bioengineered Implantable Scaffolds as a Tool to Study Stromal-Derived Factors in Metastatic Cancer Models. <i>Cancer Research</i> , 2014, 74, 7229-7238.	0.9	56
18	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

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19	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
20	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
21	Using Molecular Design to Control the Performance of Hydrogen-Producing Polymer-Brush-Modified Photocathodes. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3222-3226.	4.6	52
22	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
23	Synthesis of Tridecaptinâ€“Antibiotic Conjugates with in Vivo Activity against Gram-Negative Bacteria. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9779-9785.	6.4	51
24	Lyn Delivers Bacteria to Lysosomes for Eradication through TLR2-Initiated Autophagy Related Phagocytosis. <i>PLoS Pathogens</i> , 2016, 12, e1005363.	4.7	49
25	NADPH oxidases and the evolution of plant salinity tolerance. <i>Plant, Cell and Environment</i> , 2020, 43, 2957-2968.	5.7	49
26	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
27	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
28	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
29	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
30	Ideal Cereals With Lower Arsenic and Cadmium by Accurately Enhancing Vacuolar Sequestration Capacity. <i>Frontiers in Genetics</i> , 2019, 10, 322.	2.3	41
31	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
32	Metabolic Phenotypes in Pancreatic Cancer. <i>PLoS ONE</i> , 2015, 10, e0115153.	2.5	34
33	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
34	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
35	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
36	Revealing mechanisms of salinity tissue tolerance in succulent halophytes: <i>A</i> case study for <i>Carpobrotus rossi</i> . <i>Plant, Cell and Environment</i> , 2018, 41, 2654-2667.	5.7	33

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37	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
38	Extravascular Red Blood Cells and Hemoglobin Promote Tumor Growth and Therapeutic Resistance as Endogenous Danger Signals. <i>Journal of Immunology</i> , 2015, 194, 429-437.	0.8	31
39	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
40	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
41	Association between <i>Helicobacter pylori</i> Infection and Stroke: A Meta-analysis of Prospective Observational Studies. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2014, 23, 2233-2239.	1.6	29
42	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
43	The loss of RBOHD function modulates root adaptive responses to combined hypoxia and salinity stress in <i>Arabidopsis</i> . <i>Environmental and Experimental Botany</i> , 2019, 158, 125-135.	4.2	29
44	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
45	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
46	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
47	Integrated Computational and Experimental Structure Refinement for Nanoparticles. <i>ACS Nano</i> , 2016, 10, 4031-4038.	14.6	25
48	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
49	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
50	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
51	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
52	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
53	Modeling of IPMC Cantilever's Displacements and Blocking Forces. <i>Journal of Bionic Engineering</i> , 2015, 12, 142-151.	5.0	22
54	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

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55	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
56	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
57	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
58	Salinity Effects on Guard Cell Proteome in <i>Chenopodium quinoa</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 428.	4.1	20
59	Highly efficient removal of cadmium from aqueous solution by ammonium polyphosphate-modified biochar. <i>Chemosphere</i> , 2022, 305, 135471.	8.2	20
60	RAGE/NF- κ B Pathway Mediates Lipopolysaccharide-Induced Inflammation in Alveolar Type I Epithelial Cells Isolated from Neonate Rats. <i>Inflammation</i> , 2014, 37, 1623-1629.	3.8	19
61	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
62	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
63	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
64	Disturbance of intraepithelial lymphocytes in a murine model of acute intestinal ischemia/reperfusion. <i>Journal of Molecular Histology</i> , 2014, 45, 217-227.	2.2	18
65	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
66	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
67	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
68	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
69	The Canonical Notch Signaling Was Involved in the Regulation of Intestinal Epithelial Cells Apoptosis after Intestinal Ischemia/Reperfusion Injury. <i>International Journal of Molecular Sciences</i> , 2014, 15, 7883-7896.	4.1	14
70	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
71	Adhesion characteristics of a novel synthetic polydimethylsiloxane for bionic adhesive pads. <i>Journal of Bionic Engineering</i> , 2014, 11, 371-377.	5.0	13
72	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

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73	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
74	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
75	An RNA-binding protein MUG13.4 interacts with AtAGO2 to modulate salinity tolerance in <i>Arabidopsis</i> . <i>Plant Science</i> , 2019, 288, 110218.	3.6	9
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	Conductor Performance of TFCN4 and TFCN5 Samples for ITER TF Coils. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-5.	1.7	6
87	Effects of Potassium Availability on Growth and Development of Barley Cultivars. <i>Agronomy</i> , 2021, 11, 2269.	3.0	6
88	Novel flower-shaped albumin particles as controlled-release carriers for drugs to penetrate the round-window membrane. <i>International Journal of Nanomedicine</i> , 2014, 9, 3193.	6.7	5
89	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
90	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

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91	Strong Emergence in Biological Systems: Is It Open to Mathematical Reasoning?. <i>Acta Biotheoretica</i> , 2021, 69, 841-856.	1.5	4
92	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
93	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
94	Phosphoinositides: Emerging players in plant salinity stress tolerance. <i>Molecular Plant</i> , 2021, 14, 1973-1975.	8.3	2
95	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
96	Draft Genome Sequences of Three <i>Escherichia coli</i> Strains Investigated for the Effects of Lysogeny on Niche Diversification. <i>Genome Announcements</i> , 2014, 2, .	0.8	1
97	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
98	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
99	Draft Genome Sequence of <i>Escherichia coli</i> E1728 Isolated from Marine Sediment in Hong Kong. <i>Genome Announcements</i> , 2014, 2, .	0.8	0