Jin-Lin Zhang

List of Publications by Year in Descending Order

70 papers	2,078 citations	23 h-index	44 g-index
74 ext. papers	2,674 ext. citations	4.1 avg, IF	4.88 L-index

#	Paper	IF	Citations
70	Newly Isolated sp. nov., a Novel Plant Growth-Promoting Rhizobacteria Strain From High-Altitude Spruce Forests in the Qilian Mountains, China.. *Frontiers in Microbiology*, **2022**, 13, 833313	5.7	0
69	Evaluation of salt tolerance of oat cultivars and the mechanism of adaptation to salinity.. *Journal of Plant Physiology*, **2022**, 273, 153708	3.6	1
68	Potential of cadmium resistant Burkholderia contaminans strain ZCC in promoting growth of soy beans in the presence of cadmium. *Ecotoxicology and Environmental Safety*, **2021**, 211, 111914	7	4
67	Two PGPR strains from the rhizosphere of Haloxylon ammodendron promoted growth and enhanced drought tolerance of ryegrass. *Plant Physiology and Biochemistry*, **2021**, 161, 74-85	5.4	9
66	Na compound fertiliser improves growth performance, drought resistance, and water-saving efficiency of the succulent xerophyte Haloxylon ammodendron in the Alxa Desert region of China. *Australian Journal of Botany*, **2021**, 69, 318	1.2	0
65	Dynamic Responses of the Halophyte Suaeda maritima to Various Levels of External NaCl Concentration **2021**, 1637-1657		
64	Taxonomic description of Pseudomonas rhizovicinus sp. nov., isolated from the rhizosphere of a desert shrub Haloxylon ammodendron. *Antonie Van Leeuwenhoek*, **2021**, 114, 1443-1452	2.1	1
63	Knockdown of MicroRNA160a/b by STTM leads to root architecture changes via auxin signaling in Solanum tuberosum. *Plant Physiology and Biochemistry*, **2021**, 166, 939-949	5.4	4
62	Biocontrol Potential of LYZ69 Against Anthracnose of Alfalfa (). *Phytopathology*, **2021**, 111, 1338-1348	3.8	2
61	Biofertilizers with beneficial rhizobacteria improved plant growth and yield in chili (Capsicum annuum L.). *World Journal of Microbiology and Biotechnology*, **2020**, 36, 86	4.4	14
60	Bacillus amyloliquefaciens LZ04 improves the resistance of Arabidopsis thaliana to high calcium stress and the potential role of lncRNA-miRNA-mRNA regulatory network in the resistance. *Plant Physiology and Biochemistry*, **2020**, 151, 166-180	5.4	3
59	Dynamic Responses of the Halophyte Suaeda maritima to Various Levels of External NaCl Concentration **2020**, 1-22		0
58	sp. nov., isolated from rhizosphere soil of. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 680-686	2.2	4
57	Molecular Mechanism Underlying the Effect of the Intraspecific Alternation of Seed Size on Plant Drought Tolerance. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 703-711	5.7	1
56	Special Organic Fertilizer for Improving Soil Fertilization and Xerophyte Haloxylon ammodendron Growth in the Nursery and Afforestation in Desert Regions of China. *Journal of Soil Science and Plant Nutrition*, **2020**, 20, 2241-2252	3.2	
55	Transcriptomic Analysis Revealed the Common and Divergent Responses of Maize Seedling Leaves to Cold and Heat Stresses. *Genes*, **2020**, 11,	4.2	5
54	HaASR1 gene cloned from a desert shrub, Haloxylon ammodendron, confers drought tolerance in transgenic Arabidopsis thaliana. *Environmental and Experimental Botany*, **2020**, 180, 104251	5.9	4

53	Cloning and functional characterization of epidermis-specific promoter MtML1 from Medicago truncatula. *Journal of Biotechnology*, **2019**, 300, 32-39	3.7	7
52	The Effect of AtHKT1;1 or AtSOS1 Mutation on the Expressions of Na+ or K+ Transporter Genes and Ion Homeostasis in under Salt Stress. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	16
51	Dynamic responses of Haloxylon ammodendron to various degrees of simulated drought stress. *Plant Physiology and Biochemistry*, **2019**, 139, 121-131	5.4	13
50	Phytochemical Changes in Aerial Parts of Hypericum perforatum at Different Harvest Stages. *Records of Natural Products*, **2019**, 13, 1-9	1.9	7
49	Transcriptomic Profiling Identifies Candidate Genes Involved in the Salt Tolerance of the Xerophyte. *Genes*, **2019**, 10,	4.2	5
48	Arabidopsis ANGUSTIFOLIA3 (AN3) is associated with the promoter of CONSTITUTIVE PHOTOMORPHOGENIC1 (COP1) to regulate light-mediated stomatal development. *Plant, Cell and Environment*, **2018**, 41, 1645-1656	8.4	11
47	Induced Salt Tolerance of Perennial Ryegrass by a Novel Bacterium Strain from the Rhizosphere of a Desert Shrub Haloxylon ammodendron. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	36
46	Transcript Profiling and Gene Identification Involved in the Ethylene Signal Transduction Pathways of Creeping Bentgrass (Agrostis stolonifera) during ISR Response Induced by Butanediol. *Molecules*, **2018**, 23,	4.8	5
45	Mapping podophyllotoxin biosynthesis and growth-related transcripts with high elevation in Sinopodophyllum hexandrum. *Industrial Crops and Products*, **2018**, 124, 510-518	5.9	11
44	Salicylic acid and kinetin mediated stimulation of salt tolerance in cucumber (Cucumis sativus L.) genotypes varying in salinity tolerance. *Horticulture Environment and Biotechnology*, **2018**, 59, 461-471	2	16
43	Antioxidant Capacity Connection with Phenolic and Flavonoid Content in Chinese Medicinal Herbs. *Records of Natural Products*, **2018**, 12, 239-250	1.9	16
42	High-elevation cultivation increases anti-cancer podophyllotoxin accumulation in Podophyllum hexandrum. *Industrial Crops and Products*, **2018**, 121, 338-344	5.9	13
41	Improved salt tolerance of medicinal plant Codonopsis pilosula by Bacillus amyloliquefaciens GB03. *Acta Physiologiae Plantarum*, **2017**, 39, 1	2.6	10
40	Transcriptomic Profiling and Physiological Analysis of Haloxylon ammodendron in Response to Osmotic Stress. *International Journal of Molecular Sciences*, **2017**, 19,	6.3	12
39	Sucrose non-ferment 1 related protein kinase 2 (SnRK2) genes could mediate the stress responses in potato (Solanum tuberosum L.). *BMC Genetics*, **2017**, 18, 41	2.6	14
38	SOS1, HKT1;5, and NHX1 Synergistically Modulate Na Homeostasis in the Halophytic Grass. *Frontiers in Plant Science*, **2017**, 8, 576	6.2	61
37	Synergistic Effects of Bacillus amyloliquefaciens (GB03) and Water Retaining Agent on Drought Tolerance of Perennial Ryegrass. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	19
36	Altererythrobacter soli sp. nov., isolated from desert sand. *International Journal of Systematic and Evolutionary Microbiology*, **2017**, 67, 454-459	2.2	15

35	The coordinated regulation of Na and K in Hordeum brevisubulatum responding to time of salt stress. *Plant Science*, **2016**, 252, 358-366	5.3	19
34	Beneficial soil microbe promotes seed germination, plant growth and photosynthesis in herbal crop Codonopsis pilosula. *Crop and Pasture Science*, **2016**, 67, 91	2.2	21
33	The impacts of exogenous H2O2 on primary root horizontal bending of pea (Pisum sativum L.). *Plant Growth Regulation*, **2016**, 78, 287-296	3.2	2
32	Transcriptomic analysis of the succulent xerophyte Zygophyllum xanthoxylum in response to salt treatment and osmotic stress. *Plant and Soil*, **2016**, 402, 343-361	4.2	31
31	ZxSKOR is important for salinity and drought tolerance of Zygophyllum xanthoxylum by maintaining K+ homeostasis. *Plant Growth Regulation*, **2016**, 80, 195-205	3.2	20
30	Induced growth promotion and higher salt tolerance in the halophyte grass Puccinellia tenuiflora by beneficial rhizobacteria. *Plant and Soil*, **2016**, 407, 217-230	4.2	74
29	Augmenting Sulfur Metabolism and Herbivore Defense in Arabidopsis by Bacterial Volatile Signaling. *Frontiers in Plant Science*, **2016**, 7, 458	6.2	55
28	The Photosynthesis, Na(+)/K(+) Homeostasis and Osmotic Adjustment of Atriplex canescens in Response to Salinity. *Frontiers in Plant Science*, **2016**, 7, 848	6.2	46
27	Improved Growth and Metabolite Accumulation in Codonopsis pilosula (Franch.) Nannf. by Inoculation of Bacillus amyloliquefaciens GB03. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 8103-8108	5.7	22
26	Comparison of ultrastructural and physiological changes of potato (Solanum tuberosum L.) plantlets subjected to salt and modeling drought stresses. *Acta Physiologiae Plantarum*, **2016**, 38, 1	2.6	6
25	AtHKT1;1 and AtHAK5 mediate low-affinity Na+ uptake in Arabidopsis thaliana under mild salt stress. *Plant Growth Regulation*, **2015**, 75, 615-623	3.2	23
24	Characteristics of Na+ uptake in sugar beet (Beta vulgaris L.) seedlings under mild salt conditions. *Acta Physiologiae Plantarum*, **2015**, 37, 1	2.6	6
23	The inward-rectifying K+ channel SsAKT1 is a candidate involved in K+ uptake in the halophyte Suaeda salsa under saline condition. *Plant and Soil*, **2015**, 395, 173-187	4.2	25
22	Ultrastructural and physiological responses of potato (Solanum tuberosum L.) plantlets to gradient saline stress. *Frontiers in Plant Science*, **2014**, 5, 787	6.2	49
21	Degradation of morphine in opium poppy processing waste composting. *Bioresource Technology*, **2014**, 168, 235-9	11	7
20	Co-expression of xerophyte Zygophyllum xanthoxylum ZxNHX and ZxVP1-1 enhances salt and drought tolerance in transgenic Lotus corniculatus by increasing cations accumulation. *Functional Plant Biology*, **2014**, 41, 203-214	2.7	37
19	Beneficial soil bacterium Bacillus subtilis (GB03) augments salt tolerance of white clover. *Frontiers in Plant Science*, **2014**, 5, 525	6.2	102
18	Soil microbe Bacillus subtilis (GB03) induces biomass accumulation and salt tolerance with lower sodium accumulation in wheat. *Crop and Pasture Science*, **2014**, 65, 423	2.2	28

17	ZxSOS1 is essential for long-distance transport and spatial distribution of Na+ and K+ in the xerophyte Zygophyllum xanthoxylum. *Plant and Soil*, **2014**, 374, 661-676	4.2	46
16	Differentiation of low-affinity Na+ uptake pathways and kinetics of the effects of K+ on Na+ uptake in the halophyte Suaeda maritima. *Plant and Soil*, **2013**, 368, 629-640	4.2	28
15	Physiological and molecular mechanisms of plant salt tolerance. *Photosynthesis Research*, **2013**, 115, 1-22	3.7	191
14	NaCl stimulates growth and alleviates water stress in the xerophyte Zygophyllum xanthoxylum. *Journal of Arid Environments*, **2012**, 87, 153-160	2.5	53
13	Sodium chloride improves photosynthesis and water status in the succulent xerophyte Zygophyllum xanthoxylum. *Tree Physiology*, **2012**, 32, 4-13	4.2	130
12	Synthesis and magnetic properties of CuFe2O4 nanotube arrays. *Journal Wuhan University of Technology, Materials Science Edition*, **2012**, 27, 550-554	1	3
11	Selective transport capacity for K over Na is linked to the expression levels of PtSOS1 in halophyte Puccinellia tenuiflora. *Functional Plant Biology*, **2012**, 39, 1047-1057	2.7	43
10	The ZxNHX gene encoding tonoplast Na(+)/H(+) antiporter from the xerophyte Zygophyllum xanthoxylum plays important roles in response to salt and drought. *Journal of Plant Physiology*, **2011**, 168, 758-67	3.6	63
9	Factors associated with determination of root □Na (+) influx in the salt accumulation halophyte Suaeda maritima. *Biological Trace Element Research*, **2011**, 139, 108-17	4.5	4
8	Effect of annealing temperature on the magnetic properties of Zn0.97Al0.03O nanoparticles. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 2454-2459	1.6	2
7	Beneficial Rhizobacteria Induce Plant Growth: Mapping Signaling Networks in Arabidopsis. *Soil Biology*, **2011**, 403-412	1	10
6	Mechanisms of sodium uptake by roots of higher plants. *Plant and Soil*, **2010**, 326, 45-60	4.2	171
5	Puccinellia tenuiflora maintains a low Na+ level under salinity by limiting unidirectional Na+ influx resulting in a high selectivity for K+ over Na+. *Plant, Cell and Environment*, **2009**, 32, 486-96	8.4	116
4	Screening of cold-resistant seedlings of a Chinese wild grape (Vitis piasezkii Maxim var. pagnucii) native to loess plateau of eastern Gansu province, China, as rootstocks. *Scientia Horticulturae*, **2009**, 122, 125-128	4.1	7
3	Overexpression of the Arabidopsis H+-PPase enhanced resistance to salt and drought stress in transgenic alfalfa (Medicago sativa L.). *Plant Science*, **2009**, 176, 232-240	5.3	164
2	Low-affinity Na+ uptake in the halophyte Suaeda maritima. *Plant Physiology*, **2007**, 145, 559-71	6.6	131
1	Factors affecting in vitro propagation of a Chinese wild grape (Vitispiasezkii var. pagnucii): Shoot production and rhizogenesis. *New Zealand Journal of Crop and Horticultural Science*, **2006**, 34, 217-223	0.9	3