

Xiangnan Li

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7380739/xiangnan-li-publications-by-year.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80 papers	1,442 citations	22 h-index	34 g-index
86 ext. papers	2,132 ext. citations	4.9 avg, IF	5.11 L-index

#	Paper	IF	Citations
80	Low temperature tolerance is depressed in wild-type and abscisic acid-deficient mutant barley grown in Cd-contaminated soil. <i>Journal of Hazardous Materials</i> , 2022 , 430, 128489	12.8	1
79	Crop exposure to cold stress: responses in physiological, biochemical and molecular levels 2022 , 1-19		
78	Low temperature tolerance is impaired by polystyrene nanoplastics accumulated in cells of barley (<i>Hordeum vulgare</i> L.) plants. <i>Journal of Hazardous Materials</i> , 2021 , 426, 127826	12.8	0
77	Melatonin Modulates Plant Tolerance to Heavy Metal Stress: Morphological Responses to Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	9
76	Genome-wide association studies of plant architecture-related traits and 100-seed weight in soybean landraces. <i>BMC Genomic Data</i> , 2021 , 22, 10	0	2
75	Endogenous ABA level modulates the effects of CO ₂ elevation and soil water deficit on growth, water and nitrogen use efficiencies in barley and tomato plants. <i>Agricultural Water Management</i> , 2021 , 249, 106808	5.9	5
74	Elevated carbon dioxide alleviates the negative impact of drought on wheat by modulating plant metabolism and physiology. <i>Agricultural Water Management</i> , 2021 , 250, 106804	5.9	5
73	Genome-wide association analysis for yield-related traits at the R6 stage in a Chinese soybean mini core collection. <i>Genes and Genomics</i> , 2021 , 43, 897-912	2.1	2
72	WideNarrow Row Planting Pattern Increases Root Lodging Resistance by Adjusting Root Architecture and Root Physiological Activity in Maize (<i>Zea mays</i> L.) in Northeast China. <i>Agriculture (Switzerland)</i> , 2021 , 11, 517	3	3
71	Anthropogenic land use changes diversity and structure of arbuscular mycorrhizal fungal communities at 100-m scale in northeast China. <i>Archives of Agronomy and Soil Science</i> , 2021 , 67, 778-792 ²		3
70	Nano-ZnO alleviates drought stress via modulating the plant water use and carbohydrate metabolism in maize. <i>Archives of Agronomy and Soil Science</i> , 2021 , 67, 245-259	2	24
69	Drought priming improved water status, photosynthesis and water productivity of cowpea during post-anthesis drought stress. <i>Agricultural Water Management</i> , 2021 , 245, 106565	5.9	9
68	Salt acclimation induced salt tolerance in wild-type and chlorophyll b-deficient mutant wheat. <i>Plant, Soil and Environment</i> , 2021 , 67, 26-32	2.2	6
67	Induction of Low Temperature Tolerance in Wheat by Pre-Soaking and Parental Treatment with Melatonin. <i>Molecules</i> , 2021 , 26,	4.8	3
66	Relationship between endophytic microbial diversity and grain quality in wheat exposed to multi-generational CO ₂ elevation. <i>Science of the Total Environment</i> , 2021 , 776, 146029	10.2	2
65	Polystyrene microplastics disturb the redox homeostasis, carbohydrate metabolism and phytohormone regulatory network in barley. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125614	12.8	17
64	Melatonin reduces nanoplastic uptake, translocation, and toxicity in wheat. <i>Journal of Pineal Research</i> , 2021 , 71, e12761	10.4	6

63	Excessive nitrogen application under moderate soil water deficit decreases photosynthesis, respiration, carbon gain and water use efficiency of maize. <i>Plant Physiology and Biochemistry</i> , 2021 , 166, 1065-1075	5.4	2
62	Comparative Analysis of Arbuscular Mycorrhizal Fungal Communities between Farmland and Woodland in the Black Soil Region of Northeast China. <i>Agriculture (Switzerland)</i> , 2021 , 11, 866	3	0
61	Effects of Elevated Atmospheric CO ₂ Concentration on Phragmites australis and Wastewater Treatment Efficiency in Constructed Wetlands. <i>Water (Switzerland)</i> , 2021 , 13, 2500	3	0
60	Soil properties and geography shape arbuscular mycorrhizal fungal communities in black land of China. <i>Applied Soil Ecology</i> , 2021 , 167, 104109	5	3
59	Absciscic acid-mimicking ligand AMF4 induced cold tolerance in wheat by altering the activities of key carbohydrate metabolism enzymes. <i>Plant Physiology and Biochemistry</i> , 2020 , 157, 284-290	5.4	4
58	Changes in photosynthesis and respiratory metabolism of maize seedlings growing under low temperature stress may be regulated by arbuscular mycorrhizal fungi. <i>Plant Physiology and Biochemistry</i> , 2020 , 154, 1-10	5.4	6
57	Combined high light and heat stress induced complex response in tomato with better leaf cooling after heat priming. <i>Plant Physiology and Biochemistry</i> , 2020 , 151, 1-9	5.4	15
56	Induction of cross tolerance by cold priming and acclimation in plants: Physiological, biochemical and molecular mechanisms 2020 , 183-201		2
55	Diversity and composition of arbuscular mycorrhizal fungal communities in the cropland black soils of China. <i>Global Ecology and Conservation</i> , 2020 , 22, e00964	2.8	7
54	Nano-ZnO-Induced Drought Tolerance Is Associated with Melatonin Synthesis and Metabolism in Maize. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	44
53	Reducing nitrogen rate and increasing plant density benefit processing quality by modifying the spatial distribution of protein bodies and gluten proteins in endosperm of a soft wheat cultivar. <i>Field Crops Research</i> , 2020 , 253, 107831	5.5	1
52	ABA-mediated modulation of elevated CO on stomatal response to drought. <i>Current Opinion in Plant Biology</i> , 2020 , 56, 174-180	9.9	37
51	Effects of elevated atmospheric CO ₂ on leaf gas exchange response to progressive drought in barley and tomato plants with different endogenous ABA levels. <i>Plant and Soil</i> , 2020 , 447, 431-446	4.2	17
50	The Alleviation of Photosynthetic Damage in Tomato under Drought and Cold Stress by High CO ₂ and Melatonin. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
49	Effect of the transgenerational exposure to elevated CO ₂ on low temperature tolerance of winter wheat: Chloroplast ultrastructure and carbohydrate metabolism. <i>Journal of Agronomy and Crop Science</i> , 2020 , 206, 773-783	3.9	5
48	Husk Leaf Senescence Characteristics of Spring Maize (<i>Zea mays</i> L.) Cultivated in Two Row Directions and Three Plant Spacings in Northeast China. <i>Agronomy</i> , 2020 , 10, 1216	3.6	0
47	Nano-ZnO priming induces salt tolerance by promoting photosynthetic carbon assimilation in wheat. <i>Archives of Agronomy and Soil Science</i> , 2020 , 66, 1259-1273	2	21
46	ABA-mediated regulation of leaf and root hydraulic conductance in tomato grown at elevated CO ₂ is associated with altered gene expression of aquaporins. <i>Horticulture Research</i> , 2019 , 6, 104	7.7	23

45	Elevated CO ₂ modulates the effects of drought and heat stress on plant water relations and grain yield in wheat. <i>Journal of Agronomy and Crop Science</i> , 2019 , 205, 362-371	3.9	15
44	Responses of carbohydrate metabolism enzymes in leaf and spike to CO ₂ elevation and nitrogen fertilization and their relations to grain yield in wheat. <i>Environmental and Experimental Botany</i> , 2019 , 164, 149-156	5.9	17
43	Genome-wide association study of four yield-related traits at the R6 stage in soybean. <i>BMC Genetics</i> , 2019 , 20, 39	2.6	14
42	Arbuscular mycorrhiza improves nitrogen use efficiency in soybean grown under partial root-zone drying irrigation. <i>Archives of Agronomy and Soil Science</i> , 2019 , 65, 269-279	2	13
41	Salt Priming Protects Photosynthetic Electron Transport against Low-Temperature-Induced Damage in Wheat. <i>Sensors</i> , 2019 , 20,	3.8	6
40	Salt acclimation induced salt tolerance in wild-type and abscisic acid-deficient mutant barley. <i>Plant, Soil and Environment</i> , 2019 , 65, 516-521	2.2	3
39	Modulation of photosynthate supply by CO ₂ elevation affects the post-head-emergence frost-induced grain yield loss in wheat. <i>Journal of Agronomy and Crop Science</i> , 2019 , 205, 54-64	3.9	3
38	Effect of multigenerational exposure to elevated atmospheric CO ₂ concentration on grain quality in wheat. <i>Environmental and Experimental Botany</i> , 2019 , 157, 310-319	5.9	15
37	Wheat plant selection for high yields entailed improvement of leaf anatomical and biochemical traits including tolerance to non-optimal temperature conditions. <i>Photosynthesis Research</i> , 2018 , 136, 245-255	3.7	70
36	Interactive effects of CO ₂ concentration elevation and nitrogen fertilization on water and nitrogen use efficiency of tomato grown under reduced irrigation regimes. <i>Agricultural Water Management</i> , 2018 , 202, 174-182	5.9	22
35	Spatial distribution patterns of protein and starch in wheat grain affect baking quality of bread and biscuit. <i>Journal of Cereal Science</i> , 2018 , 79, 362-369	3.8	16
34	Interactive Effects of Elevated CO and N Fertilization on Yield and Quality of Tomato Grown Under Reduced Irrigation Regimes. <i>Frontiers in Plant Science</i> , 2018 , 9, 328	6.2	29
33	Simulation of Stomatal Conductance and Water Use Efficiency of Tomato Leaves Exposed to Different Irrigation Regimes and Air CO Concentrations by a Modified "Ball-Berry" Model. <i>Frontiers in Plant Science</i> , 2018 , 9, 445	6.2	2
32	Cold Tolerance of Photosynthetic Electron Transport System Is Enhanced in Wheat Plants Grown Under Elevated CO. <i>Frontiers in Plant Science</i> , 2018 , 9, 933	6.2	7
31	Genome-Wide Association Studies of Soybean Seed Hardness in the Chinese Mini Core Collection. <i>Plant Molecular Biology Reporter</i> , 2018 , 36, 605-617	1.7	6
30	Cold Priming Induced Tolerance to Subsequent Low Temperature Stress is Enhanced by Melatonin Application during Recovery in Wheat. <i>Molecules</i> , 2018 , 23,	4.8	32
29	Soil microbial community and activity are affected by integrated agricultural practices in China. <i>European Journal of Soil Science</i> , 2018 , 69, 924-935	3.4	16
28	Melatonin alleviates low PS I-limited carbon assimilation under elevated CO and enhances the cold tolerance of offspring in chlorophyll b-deficient mutant wheat. <i>Journal of Pineal Research</i> , 2018 , 64, e12453	10.4	77

27	Metabolomics Analysis of Soybean Hypocotyls in Response to Infection. <i>Frontiers in Plant Science</i> , 2018 , 9, 1530	6.2	21
26	Conditional and unconditional QTL analyses of seed hardness in vegetable soybean (<i>Glycine max</i> L. Merr.). <i>Euphytica</i> , 2018 , 214, 1	2.1	2
25	Arbuscular mycorrhiza enhances nutrient accumulation in wheat exposed to elevated CO ₂ and soil salinity. <i>Journal of Plant Nutrition and Soil Science</i> , 2018 , 181, 836-846	2.3	12
24	Effect of the transgenerational exposure to elevated CO ₂ on the drought response of winter wheat: Stomatal control and water use efficiency. <i>Environmental and Experimental Botany</i> , 2017 , 136, 78-84	5.9	20
23	Accumulation of High-Molecular-Weight Glutenin Subunits in Superior and Inferior Grains of a Winter Wheat, Yangmai 158. <i>Cereal Chemistry</i> , 2017 , 94, 508-512	2.4	3
22	ABA signaling and stomatal control in tomato plants exposure to progressive soil drying under ambient and elevated atmospheric CO ₂ concentration. <i>Environmental and Experimental Botany</i> , 2017 , 139, 99-104	5.9	35
21	Drought Priming at Vegetative Growth Stage Enhances Nitrogen-Use Efficiency Under Post-Anthesis Drought and Heat Stress in Wheat. <i>Journal of Agronomy and Crop Science</i> , 2017 , 203, 29-40	3.9	25
20	Melatonin Improves the Photosynthetic Carbon Assimilation and Antioxidant Capacity in Wheat Exposed to Nano-ZnO Stress. <i>Molecules</i> , 2017 , 22,	4.8	40
19	Salicylic Acid Alleviates Aluminum Toxicity in Soybean Roots through Modulation of Reactive Oxygen Species Metabolism. <i>Frontiers in Chemistry</i> , 2017 , 5, 96	5	19
18	Salt response of photosynthetic electron transport system in wheat cultivars with contrasting tolerance. <i>Plant, Soil and Environment</i> , 2016 , 62, 515-521	2.2	47
17	Soil warming enhances the hidden shift of elemental stoichiometry by elevated CO ₂ in wheat. <i>Scientific Reports</i> , 2016 , 6, 23313	4.9	18
16	Drought Stress Memory and Drought Stress Tolerance in Plants: Biochemical and Molecular Basis 2016 , 17-44		23
15	Variations in Protein Concentration and Nitrogen Sources in Different Positions of Grain in Wheat. <i>Frontiers in Plant Science</i> , 2016 , 7, 942	6.2	11
14	Melatonin enhances cold tolerance in drought-primed wild-type and abscisic acid-deficient mutant barley. <i>Journal of Pineal Research</i> , 2016 , 61, 328-39	10.4	101
13	Winter Soil Warming Exacerbates the Impacts of Spring Low Temperature Stress on Wheat. <i>Journal of Agronomy and Crop Science</i> , 2016 , 202, 554-563	3.9	5
12	Dynamics of amino acid carbon and nitrogen and relationship with grain protein in wheat under elevated CO ₂ and soil warming. <i>Environmental and Experimental Botany</i> , 2016 , 132, 121-129	5.9	10
11	Wheat plants exposed to winter warming are more susceptible to low temperature stress in the spring. <i>Plant Growth Regulation</i> , 2015 , 77, 11-19	3.2	27
10	Drought priming at vegetative stage improves the antioxidant capacity and photosynthesis performance of wheat exposed to a short-term low temperature stress at jointing stage. <i>Plant and Soil</i> , 2015 , 393, 307-318	4.2	34

9	Winter Wheat Photosynthesis and Grain Yield Responses to Spring Freeze. <i>Agronomy Journal</i> , 2015 , 107, 1002-1010	2.2	35
8	Mechano-stimulated modifications in the chloroplast antioxidant system and proteome changes are associated with cold response in wheat. <i>BMC Plant Biology</i> , 2015 , 15, 219	5.3	18
7	Spring Freeze Effect on Wheat Yield is Modulated by Winter Temperature Fluctuations: Evidence from Meta-Analysis and Simulating Experiment. <i>Journal of Agronomy and Crop Science</i> , 2015 , 201, 288-300	3.9	20
6	Exogenous Absciscic Acid Application During Grain Filling in Winter Wheat Improves Cold Tolerance of Offspring Seedlings. <i>Journal of Agronomy and Crop Science</i> , 2014 , 200, 467-478	3.9	32
5	Physiological, proteomic and transcriptional responses of wheat to combination of drought or waterlogging with late spring low temperature. <i>Functional Plant Biology</i> , 2014 , 41, 690-703	2.7	39
4	Cold priming drives the sub-cellular antioxidant systems to protect photosynthetic electron transport against subsequent low temperature stress in winter wheat. <i>Plant Physiology and Biochemistry</i> , 2014 , 82, 34-43	5.4	91
3	Induction of chilling tolerance in wheat during germination by pre-soaking seed with nitric oxide and gibberellin. <i>Plant Growth Regulation</i> , 2013 , 71, 31-40	3.2	81
2	Variation in concentrations of high-molecular-weight glutenin subunits and macropolymers in wheat grains of a recombinant inbred lines population and in two contrasting eco-sites in China. <i>Journal of the Science of Food and Agriculture</i> , 2012 , 92, 2188-94	4.3	3
1	Effect of Shading from Jointing to Maturity on High Molecular Weight Glutenin Subunit Accumulation and Glutenin Macropolymer Concentration in Grain of Winter Wheat. <i>Journal of Agronomy and Crop Science</i> , 2012 , 198, 68-79	3.9	17