

# Jiang Liu

## List of Publications by Year in descending order

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86  
papers

2,791  
citations

172207

29  
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205818

48  
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97  
all docs

97  
docs citations

97  
times ranked

2505  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of aboveground and belowground interactions on the intercrop yields in maize-soybean relay intercropping systems. <i>Field Crops Research</i> , 2017, 203, 16-23.	2.3	168
2	Maize-soybean strip intercropping: Achieved a balance between high productivity and sustainability. <i>Journal of Integrative Agriculture</i> , 2018, 17, 747-754.	1.7	126
3	Salt Stress Represses Soybean Seed Germination by Negatively Regulating GA Biosynthesis While Positively Mediating ABA Biosynthesis. <i>Frontiers in Plant Science</i> , 2017, 8, 1372.	1.7	115
4	Effect of interactions between light intensity and red-to- far-red ratio on the photosynthesis of soybean leaves under shade condition. <i>Environmental and Experimental Botany</i> , 2018, 150, 79-87.	2.0	107
5	Protein glycosylation: a promising way to modify the functional properties and extend the application in food system. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 2506-2533.	5.4	101
6	Exogenous auxin represses soybean seed germination through decreasing the gibberellin/abscisic acid (GA/ABA) ratio. <i>Scientific Reports</i> , 2017, 7, 12620.	1.6	100
7	Yield Response to Different Planting Geometries in Maize-Soybean Relay Strip Intercropping Systems. <i>Agronomy Journal</i> , 2015, 107, 296-304.	0.9	99
8	Effect of shading and light recovery on the growth, leaf structure, and photosynthetic performance of soybean in a maize-soybean relay-strip intercropping system. <i>PLoS ONE</i> , 2018, 13, e0198159.	1.1	99
9	Drought Tolerance of Soybean ( <i>Glycine max</i> L. Merr.) by Improved Photosynthetic Characteristics and an Efficient Antioxidant Enzyme Activities Under a Split-Root System. <i>Frontiers in Physiology</i> , 2019, 10, 786.	1.3	99
10	Yield advantage and nitrogen fate in an additive maize-soybean relay intercropping system. <i>Science of the Total Environment</i> , 2019, 657, 987-999.	3.9	84
11	Comparative analysis of maize-soybean strip intercropping systems: a review. <i>Plant Production Science</i> , 2019, 22, 131-142.	0.9	77
12	Effects of reduced nitrogen inputs on crop yield and nitrogen use efficiency in a long-term maize-soybean relay strip intercropping system. <i>PLoS ONE</i> , 2017, 12, e0184503.	1.1	76
13	Contribution of interspecific interactions and phosphorus application to increasing soil phosphorus availability in relay intercropping systems. <i>Field Crops Research</i> , 2017, 204, 12-22.	2.3	64
14	DA-6 promotes germination and seedling establishment from aged soybean seeds by mediating fatty acid metabolism and glycometabolism. <i>Journal of Experimental Botany</i> , 2019, 70, 101-114.	2.4	64
15	Research progress in tofu processing: From raw materials to processing conditions. <i>Critical Reviews in Food Science and Nutrition</i> , 2018, 58, 1448-1467.	5.4	63
16	Auxin-to-Gibberellin Ratio as a Signal for Light Intensity and Quality in Regulating Soybean Growth and Matter Partitioning. <i>Frontiers in Plant Science</i> , 2018, 9, 56.	1.7	58
17	Photosynthetic performance of soybean plants to water deficit under high and low light intensity. <i>South African Journal of Botany</i> , 2016, 105, 279-287.	1.2	57
18	Leaf area and photosynthesis of newly emerged trifoliolate leaves are regulated by mature leaves in soybean. <i>Journal of Plant Research</i> , 2018, 131, 671-680.	1.2	55

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19	Sclerenchyma cell thickening through enhanced lignification induced by <i>OsMYB30</i> prevents fungal penetration of rice leaves. <i>New Phytologist</i> , 2020, 226, 1850-1863.	3.5	54
20	ZmWRKY79 positively regulates maize phytoalexin biosynthetic gene expression and is involved in stress response. <i>Journal of Experimental Botany</i> , 2018, 69, 497-510.	2.4	51
21	PAR Interception and Utilization in Different Maize and Soybean Intercropping Patterns. <i>PLoS ONE</i> , 2017, 12, e0169218.	1.1	50
22	Karrikins delay soybean seed germination by mediating abscisic acid and gibberellin biogenesis under shaded conditions. <i>Scientific Reports</i> , 2016, 6, 22073.	1.6	46
23	Low red/far-red ratio as a signal promotes carbon assimilation of soybean seedlings by increasing the photosynthetic capacity. <i>BMC Plant Biology</i> , 2020, 20, 148.	1.6	46
24	Evaluating photosynthetic pigment contents of maize using UVE-PLS based on continuous wavelet transform. <i>Computers and Electronics in Agriculture</i> , 2020, 169, 105160.	3.7	45
25	Characterization of CYP71Z18 indicates a role in maize zealexin biosynthesis. <i>Phytochemistry</i> , 2016, 121, 4-10.	1.4	43
26	Relay-intercropping soybean with maize maintains soil fertility and increases nitrogen recovery efficiency by reducing nitrogen input. <i>Crop Journal</i> , 2020, 8, 140-152.	2.3	43
27	A comparison of volatile fractions obtained from <i>Lonicera macranthoides</i> via different extraction processes: ultrasound, microwave, Soxhlet extraction, hydrodistillation, and cold maceration. <i>Integrative Medicine Research</i> , 2015, 4, 171-177.	0.7	37
28	Effect of shade stress on lignin biosynthesis in soybean stems. <i>Journal of Integrative Agriculture</i> , 2018, 17, 1594-1604.	1.7	36
29	Effect of narrow-row planting patterns on crop competitive and economic advantage in maize-soybean relay strip intercropping system. <i>Plant Production Science</i> , 2017, 20, 1-11.	0.9	34
30	Shading of the mother plant during seed development promotes subsequent seed germination in soybean. <i>Journal of Experimental Botany</i> , 2020, 71, 2072-2084.	2.4	30
31	Partial improvements in the flavor quality of soybean seeds using intercropping systems with appropriate shading. <i>Food Chemistry</i> , 2016, 207, 107-114.	4.2	29
32	Metabolite profiling of isoflavones and anthocyanins in black soybean [ <i>Glycine max</i> (L.) Merr.] seeds by HPLC-MS and geographical differentiation analysis in Southwest China. <i>Analytical Methods</i> , 2017, 9, 792-802.	1.3	28
33	Direct production of dihydroxylated sesquiterpenoids by a maize terpene synthase. <i>Plant Journal</i> , 2018, 94, 847-856.	2.8	27
34	Evidence that melatonin promotes soybean seedlings growth from low-temperature stress by mediating plant mineral elements and genes involved in the antioxidant pathway. <i>Functional Plant Biology</i> , 2020, 47, 815.	1.1	26
35	Isolation and characterization of new minor triterpenoid saponins from the buds of <i>Lonicera macranthoides</i> . <i>Carbohydrate Research</i> , 2013, 370, 76-81.	1.1	23
36	Inhibitory Effects on Aldose Reductase from the Flowers of <i>Hydrangea macrophylla</i> var. <i>thunbergii</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 655-661.	0.6	22

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37	Chemical structures of constituents from the flowers of <i>Osmanthus fragrans</i> var. <i>aurantiacus</i> . <i>Journal of Natural Medicines</i> , 2015, 69, 135-141.	1.1	22
38	Optimization of ultrasonic-microwave synergistic extraction of flavonoids from sweet potato leaves by response surface methodology. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e13928.	0.9	22
39	Auxin and Gibberellins Are Required for the Receptor-Like Kinase ERECTA Regulated Hypocotyl Elongation in Shade Avoidance in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 124.	1.7	21
40	Predicting grain yield and protein content using canopy reflectance in maize grown under different water and nitrogen levels. <i>Field Crops Research</i> , 2021, 260, 107988.	2.3	21
41	Rice contains a biosynthetic gene cluster associated with production of the casbane-type diterpenoid phytoalexin <i>ent-10-oxodepressin</i> . <i>New Phytologist</i> , 2021, 231, 85-93.	3.5	21
42	Inhibitors of melanogenesis in B16 melanoma 4A5 cells from flower buds of <i>Lawsonia inermis</i> (Henna). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2702-2706.	1.0	19
43	Shade pretreatment enhanced drought resistance of soybean. <i>Environmental and Experimental Botany</i> , 2020, 171, 103952.	2.0	19
44	Metabolism variation and better storability of dark- versus light-coloured soybean ( <i>Glycine max</i> L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.2	18
45	Modelling soybean and maize growth and grain yield in strip intercropping systems with different row configurations. <i>Field Crops Research</i> , 2021, 265, 108122.	2.3	18
46	Functional characterization of ZmTPS7 reveals a maize $\beta$ -cadinol synthase involved in stress response. <i>Planta</i> , 2016, 244, 1065-1074.	1.6	17
47	Imbalance Water Deficit Improves the Seed Yield and Quality of Soybean. <i>Agronomy</i> , 2018, 8, 168.	1.3	17
48	CYP71Z18 overexpression confers elevated blast resistance in transgenic rice. <i>Plant Molecular Biology</i> , 2019, 100, 579-589.	2.0	16
49	Hydrangeamines A and B, novel polyketide-type pseudoalkaloid-coupled secoiridoid glycosides from the flowers of <i>Hydrangea macrophylla</i> var. <i>thunbergii</i> . <i>Tetrahedron Letters</i> , 2013, 54, 32-34.	0.7	14
50	Fungal Diversity in Field Mold-Damaged Soybean Fruits and Pathogenicity Identification Based on High-Throughput rDNA Sequencing. <i>Frontiers in Microbiology</i> , 2017, 8, 779.	1.5	14
51	Dynamic of recovery growth of intercropped soybean after maize harvest in maize-soybean relay strip intercropping system. <i>Food and Energy Security</i> , 2022, 11, e350.	2.0	14
52	Chemical Fingerprinting of Wild Germplasm Resource of <i>Ophiopogon Japonicus</i> from Sichuan Basin, China by RP-HPLC Coupled with Hierarchical Cluster Analysis. <i>Analytical Letters</i> , 2010, 43, 2411-2423.	1.0	13
53	Targeted metabolomics analysis of fatty acids in soybean seeds using GC-MS to reveal the metabolic manipulation of shading in the intercropping system. <i>Analytical Methods</i> , 2017, 9, 2144-2152.	1.3	13
54	Metabolomic tool to identify soybean [ <i>Glycine max</i> (L.) Merrill] germplasms with a high level of shade tolerance at the seedling stage. <i>Scientific Reports</i> , 2017, 7, 42478.	1.6	13

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55	Application of transglutaminase for quality improvement of whole soybean curd. <i>Journal of Food Science and Technology</i> , 2019, 56, 233-244.	1.4	13
56	Pod Mildew on Soybeans Can Mitigate the Damage to the Seed Arising from Field Mold at Harvest Time. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9135-9142.	2.4	12
57	Fabrication of whole soybean curd using three soymilk preparation techniques. <i>LWT - Food Science and Technology</i> , 2019, 104, 91-99.	2.5	12
58	Changing light promotes isoflavone biosynthesis in soybean pods and enhances their resistance to mildew infection. <i>Plant, Cell and Environment</i> , 2021, 44, 2536-2550.	2.8	12
59	Organ-Specific Differential NMR-Based Metabonomic Analysis of Soybean [ <i>Glycine max</i> (L.) Merr.] Fruit Reveals the Metabolic Shifts and Potential Protection Mechanisms Involved in Field Mold Infection. <i>Frontiers in Plant Science</i> , 2017, 8, 508.	1.7	11
60	Heterogeneous Light Conditions Reduce the Assimilate Translocation Towards Maize Ears. <i>Plants</i> , 2020, 9, 987.	1.6	11
61	Development and validation of a GC-MS method for soybean organ-specific metabolomics. <i>Plant Production Science</i> , 2018, 21, 215-224.	0.9	8
62	Extraction optimization, purification and characterization of polysaccharides from the seed coat of black soybean. <i>PLoS ONE</i> , 2017, 12, e0190202.	1.1	7
63	Quantitative proteomic analyses identified multiple sugar metabolic proteins in soybean under shade stress. <i>Journal of Biochemistry</i> , 2019, 165, 277-288.	0.9	7
64	Exploring half root-stress approach: current knowledge and future prospects. <i>Plant Production Science</i> , 2020, 23, 1-11.	0.9	7
65	Influence of okara with varying particle sizes on the gelling, rheological, and microstructural properties of glucono- $\delta$ -lactone-induced tofu. <i>Journal of Food Science and Technology</i> , 2021, 58, 520-531.	1.4	7
66	Chemical constituents from the buds of <i>Lonicera macranthoides</i> in Sichuan, China. <i>Biochemical Systematics and Ecology</i> , 2014, 54, 68-70.	0.6	6
67	New Secoiridoid Glycosides from the Buds of <i>Lonicera macranthoides</i> . <i>Natural Product Communications</i> , 2012, 7, 1934578X1200701.	0.2	5
68	Structure of a Coumaric Acid Analogue with a Monoterpene Moiety from the Flowers of <i>Osmanthus fragrans</i> var. <i>aurantiacus</i> and Evaluation of Cinnamic Acid Analogues as Nitric Oxide Production and Degranulation Inhibitors. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.2	5
69	Characterization of a splice variant of soybean ERECTA devoid of an intracellular kinase domain in response to shade stress. <i>Journal of Genetics</i> , 2018, 97, 1353-1361.	0.4	5
70	A Wheat $\beta$ -Patchoulene Synthase Confers Resistance against Herbivory in Transgenic Arabidopsis. <i>Genes</i> , 2019, 10, 441.	1.0	5
71	Seed quality deterioration dynamics for isoflavones biosynthesis in soybean ( <i>Glycine max</i> L. Merr.) seeds against field mildew stress. <i>Acta Physiologiae Plantarum</i> , 2019, 41, 1.	1.0	5
72	Probing Enzymatic Structure and Function in the Dihydroxylating Sesquiterpene Synthase ZmEDS. <i>Biochemistry</i> , 2020, 59, 2660-2666.	1.2	5

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73	Spatiotemporal shading regulates anthocyanin, proanthocyanidin, and sucrose accumulation in black soybean seeds. <i>Agronomy Journal</i> , 2020, 112, 708-718.	0.9	5
74	Yellow- and green-cotyledon seeds of black soybean: Phytochemical and bioactive differences determine edibility and medical applications. <i>Food Bioscience</i> , 2021, 39, 100842.	2.0	5
75	New secoiridoid glycosides from the buds of <i>Lonicera macranthoides</i> . <i>Natural Product Communications</i> , 2012, 7, 1561-2.	0.2	5
76	Isoflavonoid Accumulation Pattern as Affected by Shading from Maize in Soybean ( <i>Glycine max</i> (L.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.9	4
77	Gravity Reduced Nitrogen Uptake via the Regulation of Brace Unilateral Root Growth in Maize Intercropping. <i>Frontiers in Plant Science</i> , 2021, 12, 724909.	1.7	4
78	Field mold stress induced catabolism of storage reserves in soybean seed and the resulting deterioration of seed quality in the field. <i>Journal of Integrative Agriculture</i> , 2022, 21, 336-350.	1.7	4
79	Application of targeted <sup>1</sup> H NMR profiling to assess the seed vitality of soybean [ <i>Glycine max</i> (L.) Merr.]. <i>Analytical Methods</i> , 2017, 9, 1792-1799.	1.3	3
80	Promoter Variation Results in Differential Phytoalexin Accumulation in Two Maize Inbred Lines. <i>Plant Molecular Biology Reporter</i> , 2020, 38, 165-174.	1.0	3
81	Identification and Bioinformatic Analysis of the GmDOG1-Like Family in Soybean and Investigation of Their Expression in Response to Gibberellic Acid and Abscisic Acid. <i>Plants</i> , 2020, 9, 937.	1.6	3
82	Further insights into how low-light signaling delays leaf senescence in soybean under high-temperature. <i>Environmental and Experimental Botany</i> , 2021, 188, 104516.	2.0	3
83	Direct formation of the sesquiterpenoid ether liguloxide by a terpene synthase in <i>Senecio scandens</i> . <i>Plant Molecular Biology</i> , 2021, 105, 55-64.	2.0	2
84	Combinative Method Using Multi-components Quantitation and HPLC Fingerprint for Comprehensive Evaluation of. <i>Pharmacognosy Magazine</i> , 2017, 13, 180-187.	0.3	2
85	Deceptive Complexity in Formation of Cleistantha-8,12-diene. <i>Organic Letters</i> , 2022, 24, 2646-2649.	2.4	2
86	A New Flavanone Glucoside from the Flowers of <i>Carthamus tinctorius</i> and Assignment of Absolute Configuration. <i>Chemistry of Natural Compounds</i> , 2014, 50, 427-429.	0.2	1