Jiang Liu

List of Publications by Year in descending order

		172207	205818
86	2,791	29	48
papers	citations	h-index	g-index

97	97	97	2505
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic of recovery growth of intercropped soybean after maize harvest in maizeâ€“soybean relay strip intercropping system. Food and Energy Security, 2022, 11, e350.	2.0	14
2	Field mold stress induced catabolism of storage reserves in soybean seed and the resulting deterioration of seed quality in the field. Journal of Integrative Agriculture, 2022, 21, 336-350.	1.7	4
3	Deceptive Complexity in Formation of Cleistantha-8,12-diene. Organic Letters, 2022, 24, 2646-2649.	2.4	2
4	Influence of okara with varying particle sizes on the gelling, rheological, and microstructural properties of glucono-Î´-lactone-induced tofu. Journal of Food Science and Technology, 2021, 58, 520-531.	1.4	7
5	Yellow- and green-cotyledon seeds of black soybean: Phytochemical and bioactive differences determine edibility and medical applications. Food Bioscience, 2021, 39, 100842.	2.0	5
6	Predicting grain yield and protein content using canopy reflectance in maize grown under different water and nitrogen levels. Field Crops Research, 2021, 260, 107988.	2.3	21
7	Direct formation of the sesquiterpeonid ether liguloxide by a terpene synthase in Senecio scandens. Plant Molecular Biology, 2021, 105, 55-64.	2.0	2
8	Rice contains a biosynthetic gene cluster associated with production of the casbaneâ€type diterpenoid phytoalexin entâ€10â€oxodepressin. New Phytologist, 2021, 231, 85-93.	3.5	21
9	Modelling soybean and maize growth and grain yield in strip intercropping systems with different row configurations. Field Crops Research, 2021, 265, 108122.	2.3	18
10	Changing light promotes isoflavone biosynthesis in soybean pods and enhances their resistance to mildew infection. Plant, Cell and Environment, 2021, 44, 2536-2550.	2.8	12
11	Further insights into how low-light signaling delays leaf senescence in soybean under high-temperature. Environmental and Experimental Botany, 2021, 188, 104516.	2.0	3
12	Gravity Reduced Nitrogen Uptake via the Regulation of Brace Unilateral Root Growth in Maize Intercropping. Frontiers in Plant Science, 2021, 12, 724909.	1.7	4
13	Exploring half root-stress approach: current knowledge and future prospects. Plant Production Science, 2020, 23, 1-11.	0.9	7
14	Relay-intercropping soybean with maize maintains soil fertility and increases nitrogen recovery efficiency by reducing nitrogen input. Crop Journal, 2020, 8, 140-152.	2.3	43
15	Evaluating photosynthetic pigment contents of maize using UVE-PLS based on continuous wavelet transform. Computers and Electronics in Agriculture, 2020, 169, 105160.	3.7	45
16	Shade pretreatment enhanced drought resistance of soybean. Environmental and Experimental Botany, 2020, 171, 103952.	2.0	19
17	Promoter Variation Results in Differential Phytoalexin Accumulation in Two Maize Inbred Lines. Plant Molecular Biology Reporter, 2020, 38, 165-174.	1.0	3
18	Heterogeneous Light Conditions Reduce the Assimilate Translocation Towards Maize Ears. Plants, 2020, 9, 987.	1.6	11

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19	Identification and Bioinformatic Analysis of the GmDOG1-Like Family in Soybean and Investigation of Their Expression in Response to Gibberellic Acid and Abscisic Acid. Plants, 2020, 9, 937.	1.6	3
20	Evidence that melatonin promotes soybean seedlings growth from low-temperature stress by mediating plant mineral elements and genes involved in the antioxidant pathway. Functional Plant Biology, 2020, 47, 815.	1.1	26
21	Probing Enzymatic Structure and Function in the Dihydroxylating Sesquiterpene Synthase ZmEDS. Biochemistry, 2020, 59, 2660-2666.	1.2	5
22	Sclerenchyma cell thickening through enhanced lignification induced by OsMYB30 prevents fungal penetration of rice leaves. New Phytologist, 2020, 226, 1850-1863.	3.5	54
23	Spatiotemporal shading regulates anthocyanin, proanthocyanidin, and sucrose accumulation in black soybean seeds. Agronomy Journal, 2020, 112, 708-718.	0.9	5
24	Shading of the mother plant during seed development promotes subsequent seed germination in soybean. Journal of Experimental Botany, 2020, 71, 2072-2084.	2.4	30
25	Low red/far-red ratio as a signal promotes carbon assimilation of soybean seedlings by increasing the photosynthetic capacity. BMC Plant Biology, 2020, 20, 148.	1.6	46
26	DA-6 promotes germination and seedling establishment from aged soybean seeds by mediating fatty acid metabolism and glycometabolism. Journal of Experimental Botany, 2019, 70, 101-114.	2.4	64
27	Drought Tolerance of Soybean (Glycine max L. Merr.) by Improved Photosynthetic Characteristics and an Efficient Antioxidant Enzyme Activities Under a Split-Root System. Frontiers in Physiology, 2019, 10, 786.	1.3	99
28	Application of transglutaminase for quality improvement of whole soybean curd. Journal of Food Science and Technology, 2019, 56, 233-244.	1.4	13
29	Fabrication of whole soybean curd using three soymilk preparation techniques. LWT - Food Science and Technology, 2019, 104, 91-99.	2.5	12
30	A Wheat Î²-Patchoulene Synthase Confers Resistance against Herbivory in Transgenic Arabidopsis. Genes, 2019, 10, 441.	1.0	5
31	CYP71Z18 overexpression confers elevated blast resistance in transgenic rice. Plant Molecular Biology, 2019, 100, 579-589.	2.0	16
32	Seed quality deterioration dynamics for isoflavones biosynthesis in soybean (Glycine max L. Merr.) seeds against field mildew stress. Acta Physiologiae Plantarum, 2019, 41, 1.	1.0	5
33	Optimization of ultrasonicâ€“microwave synergistic extraction of flavonoids from sweet potato leaves by response surface methodology. Journal of Food Processing and Preservation, 2019, 43, e13928.	0.9	22
34	Yield advantage and nitrogen fate in an additive maize-soybean relay intercropping system. Science of the Total Environment, 2019, 657, 987-999.	3.9	84
35	Protein glycosylation: a promising way to modify the functional properties and extend the application in food system. Critical Reviews in Food Science and Nutrition, 2019, 59, 2506-2533.	5.4	101
36	Comparative analysis of maizeâ€“soybean strip intercropping systems: a review. Plant Production Science, 2019, 22, 131-142.	0.9	77

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37	Quantitative proteomic analyses identified multiple sugar metabolic proteins in soybean under shade stress. Journal of Biochemistry, 2019, 165, 277-288.	0.9	7
38	Direct production of dihydroxylated sesquiterpenoids by a maize terpene synthase. Plant Journal, 2018, 94, 847-856.	2.8	27
39	ZmWRKY79 positively regulates maize phytoalexin biosynthetic gene expression and is involved in stress response. Journal of Experimental Botany, 2018, 69, 497-510.	2.4	51
40	Leaf area and photosynthesis of newly emerged trifoliolate leaves are regulated by mature leaves in soybean. Journal of Plant Research, 2018, 131, 671-680.	1.2	55
41	Effect of interactions between light intensity and red-to- far-red ratio on the photosynthesis of soybean leaves under shade condition. Environmental and Experimental Botany, 2018, 150, 79-87.	2.0	107
42	Research progress in tofu processing: From raw materials to processing conditions. Critical Reviews in Food Science and Nutrition, 2018, 58, 1448-1467.	5.4	63
43	Effect of shade stress on lignin biosynthesis in soybean stems. Journal of Integrative Agriculture, 2018, 17, 1594-1604.	1.7	36
44	Characterization of a splice variant of soybean ERECTA devoid of an intracellular kinase domain in response to shade stress. Journal of Genetics, 2018, 97, 1353-1361.	0.4	5
45	Development and validation of a GCâ€“MS method for soybean organ-specific metabolomics. Plant Production Science, 2018, 21, 215-224.	0.9	8
46	Imbalance Water Deficit Improves the Seed Yield and Quality of Soybean. Agronomy, 2018, 8, 168.	1.3	17
47	Maize-soybean strip intercropping: Achieved a balance between high productivity and sustainability. Journal of Integrative Agriculture, 2018, 17, 747-754.	1.7	126
48	Effect of shading and light recovery on the growth, leaf structure, and photosynthetic performance of soybean in a maize-soybean relay-strip intercropping system. PLoS ONE, 2018, 13, e0198159.	1.1	99
49	Auxin-to-Gibberellin Ratio as a Signal for Light Intensity and Quality in Regulating Soybean Growth and Matter Partitioning. Frontiers in Plant Science, 2018, 9, 56.	1.7	58
50	Auxin and Gibberellins Are Required for the Receptor-Like Kinase ERECTA Regulated Hypocotyl Elongation in Shade Avoidance in Arabidopsis. Frontiers in Plant Science, 2018, 9, 124.	1.7	21
51	Contribution of interspecific interactions and phosphorus application to increasing soil phosphorus availability in relay intercropping systems. Field Crops Research, 2017, 204, 12-22.	2.3	64
52	Effect of narrow-row planting patterns on crop competitive and economic advantage in maizeâ€“soybean relay strip intercropping system. Plant Production Science, 2017, 20, 1-11.	0.9	34
53	Targeted metabolomics analysis of fatty acids in soybean seeds using GC-MS to reveal the metabolic manipulation of shading in the intercropping system. Analytical Methods, 2017, 9, 2144-2152.	1.3	13
54	Application of targeted¹H NMR profiling to assess the seed vitality of soybean [Glycine max (L.) Merr.]. Analytical Methods, 2017, 9, 1792-1799.	1.3	3

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55	Metabolomic tool to identify soybean [Glycine max (L.) Merrill] germplasms with a high level of shade tolerance at the seedling stage. Scientific Reports, 2017, 7, 42478.	1.6	13
56	Metabolite profiling of isoflavones and anthocyanins in black soybean [Glycine max (L.) Merr.] seeds by HPLC-MS and geographical differentiation analysis in Southwest China. Analytical Methods, 2017, 9, 792-802.	1.3	28
57	Metabolism variation and better storability of dark- versus light-coloured soybean (Glycine max L.) Tj ETQq1 1 0.784314 rgBT /Overlock	4.2	18
58	Effect of aboveground and belowground interactions on the intercrop yields in maize-soybean relay intercropping systems. Field Crops Research, 2017, 203, 16-23.	2.3	168
59	Exogenous auxin represses soybean seed germination through decreasing the gibberellin/abscisic acid (GA/ABA) ratio. Scientific Reports, 2017, 7, 12620.	1.6	100
60	Organ-Specific Differential NMR-Based Metabonomic Analysis of Soybean [Glycine max (L.) Merr.] Fruit Reveals the Metabolic Shifts and Potential Protection Mechanisms Involved in Field Mold Infection. Frontiers in Plant Science, 2017, 8, 508.	1.7	11
61	Salt Stress Represses Soybean Seed Germination by Negatively Regulating GA Biosynthesis While Positively Mediating ABA Biosynthesis. Frontiers in Plant Science, 2017, 8, 1372.	1.7	115
62	Fungal Diversity in Field Mold-Damaged Soybean Fruits and Pathogenicity Identification Based on High-Throughput rDNA Sequencing. Frontiers in Microbiology, 2017, 8, 779.	1.5	14
63	Effects of reduced nitrogen inputs on crop yield and nitrogen use efficiency in a long-term maize-soybean relay strip intercropping system. PLoS ONE, 2017, 12, e0184503.	1.1	76
64	Extraction optimization, purification and characterization of polysaccharides from the seed coat of black soybean. PLoS ONE, 2017, 12, e0190202.	1.1	7
65	PAR Interception and Utilization in Different Maize and Soybean Intercropping Patterns. PLoS ONE, 2017, 12, e0169218.	1.1	50
66	Combinative Method Using Multi-components Quantitation and HPLC Fingerprint for Comprehensive Evaluation of. Pharmacognosy Magazine, 2017, 13, 180-187.	0.3	2
67	Structure of a Coumaric Acid Analogue with a Monoterpene Moiety from the Flowers of Osmanthus fragrans var. aurantiacus and Evaluation of Cinnamic Acid Analogues as Nitric Oxide Production and Degranulation Inhibitors. Natural Product Communications, 2016, 11, 1934578X1601100.	0.2	5
68	Karrikins delay soybean seed germination by mediating abscisic acid and gibberellin biogenesis under shaded conditions. Scientific Reports, 2016, 6, 22073.	1.6	46
69	Photosynthetic performance of soybean plants to water deficit under high and low light intensity. South African Journal of Botany, 2016, 105, 279-287.	1.2	57
70	Pod Mildew on Soybeans Can Mitigate the Damage to the Seed Arising from Field Mold at Harvest Time. Journal of Agricultural and Food Chemistry, 2016, 64, 9135-9142.	2.4	12
71	Functional characterization of ZmTPS7 reveals a maize Ï„-cadinol synthase involved in stress response. Planta, 2016, 244, 1065-1074.	1.6	17
72	Partial improvements in the flavor quality of soybean seeds using intercropping systems with appropriate shading. Food Chemistry, 2016, 207, 107-114.	4.2	29

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73	Characterization of CYP71Z18 indicates a role in maize zealexin biosynthesis. Phytochemistry, 2016, 121, 4-10.	1.4	43
74	Yield Response to Different Planting Geometries in Maizeâ€“Soybean Relay Strip Intercropping Systems. Agronomy Journal, 2015, 107, 296-304.	0.9	99
75	Isoflavonoid Accumulation Pattern as Affected by Shading from Maize in Soybean (Glycine max (L.)) Tj ETQq1 1 0.784314 rgBT /Overl	0.9	4
76	Chemical structures of constituents from the flowers of Osmanthus fragrans var. aurantiacus. Journal of Natural Medicines, 2015, 69, 135-141.	1.1	22
77	A comparison of volatile fractions obtained from Lonicera macranthoides via different extraction processes: ultrasound, microwave, Soxhlet extraction, hydrodistillation, and cold maceration. Integrative Medicine Research, 2015, 4, 171-177.	0.7	37
78	Inhibitors of melanogenesis in B16 melanoma 4A5 cells from flower buds of Lawsonia inermis (Henna). Bioorganic and Medicinal Chemistry Letters, 2015, 25, 2702-2706.	1.0	19
79	A New Flavanone Glucoside from the Flowers of Carthamus tinctorius and Assignment of Absolute Configuration. Chemistry of Natural Compounds, 2014, 50, 427-429.	0.2	1
80	Chemical constituents from the buds of Lonicera macranthoides in Sichuan, China. Biochemical Systematics and Ecology, 2014, 54, 68-70.	0.6	6
81	Isolation and characterization of new minor triterpenoid saponins from the buds of Lonicera macranthoides. Carbohydrate Research, 2013, 370, 76-81.	1.1	23
82	Hydrangeamines A and B, novel polyketide-type pseudoalkaloid-coupled secoiridoid glycosides from the flowers of Hydrangea macrophylla var. thunbergii. Tetrahedron Letters, 2013, 54, 32-34.	0.7	14
83	Inhibitory Effects on Aldose Reducatase from the Flowers of <i>Hydrangea macrophylla</i> var. <i>thunbergii</i>. Chemical and Pharmaceutical Bulletin, 2013, 61, 655-661.	0.6	22
84	New Secoiridoid Glycosides from the Buds of Lonicera macranthoides. Natural Product Communications, 2012, 7, 1934578X1200701.	0.2	5
85	New secoiridoid glycosides from the buds of Lonicera macranthoides. Natural Product Communications, 2012, 7, 1561-2.	0.2	5
86	Chemical Fingerprinting of Wild Germplasm Resource ofOphiopogon Japonicusfrom Sichuan Basin, China by RP-HPLC Coupled with Hierarchical Cluster Analysis. Analytical Letters, 2010, 43, 2411-2423.	1.0	13