

# Siyi Guo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8144914/publications.pdf>

Version: 2024-02-01

67  
papers

5,461  
citations

109321

35  
h-index

106344

65  
g-index

68  
all docs

68  
docs citations

68  
times ranked

6659  
citing authors

#	ARTICLE	IF	CITATIONS
1	The UBP14-CDKB1;1-CDKG2 cascade controls endoreduplication and cell growth in Arabidopsis. <i>Plant Cell</i> , 2022, 34, 1308-1325.	6.6	12
2	The maize single-nucleus transcriptome comprehensively describes signaling networks governing movement and development of grass stomata. <i>Plant Cell</i> , 2022, , .	6.6	8
3	A set of sampling, preparation, and staining techniques for studying meiosis in cucumber. <i>Plant Science</i> , 2022, 319, 111245.	3.6	3
4	Overexpression of AHL9 accelerates leaf senescence in Arabidopsis thaliana. <i>BMC Plant Biology</i> , 2022, 22, 248.	3.6	6
5	Genome-wide identification and expression analysis reveals spinach brassinosteroid-signaling kinase (BSK) gene family functions in temperature stress response. <i>BMC Genomics</i> , 2022, 23, .	2.8	5
6	Determination of UDP-Glucose and UDP-Galactose in Maize by Hydrophilic Interaction Liquid Chromatography and Tandem Mass Spectrometry. <i>Journal of Analytical Methods in Chemistry</i> , 2022, 2022, 1-6.	1.6	0
7	COP1 promotes ABA-induced stomatal closure by modulating the abundance of ABI/HAB and AHG3 phosphatases. <i>New Phytologist</i> , 2021, 229, 2035-2049.	7.3	32
8	Selection and Validation of Reference Genes for RT-qPCR Analysis in Spinacia oleracea under Abiotic Stress. <i>BioMed Research International</i> , 2021, 2021, 1-12.	1.9	6
9	The RING E3 ligase CLG1 targets GS3 for degradation via the endosome pathway to determine grain size in rice. <i>Molecular Plant</i> , 2021, 14, 1699-1713.	8.3	41
10	GhWRKY46 from upland cotton positively regulates the drought and salt stress responses in plant. <i>Environmental and Experimental Botany</i> , 2021, 186, 104438.	4.2	8
11	Allele-defined genome reveals biallelic differentiation during cassava evolution. <i>Molecular Plant</i> , 2021, 14, 851-854.	8.3	20
12	Nod factor receptor complex phosphorylates GmGEF2 to stimulate ROP signaling during nodulation. <i>Current Biology</i> , 2021, 31, 3538-3550.e5.	3.9	22
13	From mouse to mouse ear cress: Nanomaterials as vehicles in plant biotechnology. <i>Exploration</i> , 2021, 1, 9-20.	11.0	27
14	Flavonoids improve drought tolerance of maize seedlings by regulating the homeostasis of reactive oxygen species. <i>Plant and Soil</i> , 2021, 461, 389-405.	3.7	64
15	Behaviour of cell penetrating peptide TAT-modified liposomes loaded with salvianolic acid B on the migration, proliferation, and survival of human skin fibroblasts. <i>Journal of Liposome Research</i> , 2020, 30, 93-106.	3.3	14
16	Screening of abiotic stress-responsive cotton genes using a cotton full-length cDNA overexpressing <i>Arabidopsis</i> library. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 998-1016.	8.5	12
17	Abscisic acid dynamics, signaling, and functions in plants. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 25-54.	8.5	771
18	Antagonistic Interaction between Auxin and SA Signaling Pathways Regulates Bacterial Infection through Lateral Root in Arabidopsis. <i>Cell Reports</i> , 2020, 32, 108060.	6.4	38

#	ARTICLE	IF	CITATIONS
19	Tanshinone IIA down-regulated p-Smad3 signaling to inhibit TGF- $\beta$ 1-mediated fibroblast proliferation via lncRNA-HSRL/SNX9. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 129, 105863.	2.8	2
20	Na <sub>2</sub> CO <sub>3</sub> -responsive Photosynthetic and ROS Scavenging Mechanisms in Chloroplasts of Alkaligrass Revealed by Phosphoproteomics. <i>Genomics, Proteomics and Bioinformatics</i> , 2020, 18, 271-288.	6.9	10
21	Characterization of Two New brown midrib1 Mutations From an EMS-Mutagenic Maize Population for Lignocellulosic Biomass Utilization. <i>Frontiers in Plant Science</i> , 2020, 11, 594798.	3.6	5
22	MiR156 regulates anthocyanin biosynthesis through SPL targets and other microRNAs in poplar. <i>Horticulture Research</i> , 2020, 7, 118.	6.3	90
23	ABI5 modulates seed germination via feedback regulation of the expression of the <i>PYPYR/PYL/RCAR</i> ABA receptor genes. <i>New Phytologist</i> , 2020, 228, 596-608.	7.3	78
24	AtHB7/12 Regulate Root Growth in Response to Aluminum Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4080.	4.1	19
25	PIFs coordinate shade avoidance by inhibiting auxin repressor <i>ARF18</i> and metabolic regulator <i>QQS</i>. <i>New Phytologist</i> , 2020, 228, 609-621.	7.3	29
26	ABC1K10a, an atypical kinase, functions in plant salt stress tolerance. <i>BMC Plant Biology</i> , 2020, 20, 270.	3.6	15
27	An amplification-selection model for quantified rhizosphere microbiota assembly. <i>Science Bulletin</i> , 2020, 65, 983-986.	9.0	64
28	Efficient Generation of CRISPR/Cas9-Mediated Homozygous/Biallelic <i>Medicago truncatula</i> Mutants Using a Hairy Root System. <i>Frontiers in Plant Science</i> , 2020, 11, 294.	3.6	25
29	Trehalose- $\epsilon$ -phosphate phosphatase E modulates ABA-controlled root growth and stomatal movement in <i>Arabidopsis</i>. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1518-1534.	8.5	58
30	Plant Chloroplast Stress Response: Insights from Thiol Redox Proteomics. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 35-57.	5.4	29
31	A RAF-SnRK2 kinase cascade mediates early osmotic stress signaling in higher plants. <i>Nature Communications</i> , 2020, 11, 613.	12.8	147
32	Heat-Responsive Proteomics of a Heat-Sensitive Spinach Variety. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3872.	4.1	23
33	BRASSINOSTEROID-INSENSITIVE2 Negatively Regulates the Stability of Transcription Factor ICE1 in Response to Cold Stress in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2019, 31, tpc.00058.2019.	6.6	110
34	Beyond Light: Insights Into the Role of Constitutively Photomorphogenic1 in Plant Hormonal Signaling. <i>Frontiers in Plant Science</i> , 2019, 10, 557.	3.6	42
35	The <i>Arabidopsis</i> MYB transcription factor, MYB111 modulates salt responses by regulating flavonoid biosynthesis. <i>Environmental and Experimental Botany</i> , 2019, 166, 103807.	4.2	117
36	BZU2/ZmMUTE controls symmetrical division of guard mother cell and specifies neighbor cell fate in maize. <i>PLoS Genetics</i> , 2019, 15, e1008377.	3.5	64

#	ARTICLE	IF	CITATIONS
37	Biosynthesis of DHGA12 and its roles in Arabidopsis seedling establishment. <i>Nature Communications</i> , 2019, 10, 1768.	12.8	72
38	Mutation of 4-coumarate: coenzyme A ligase 1 gene affects lignin biosynthesis and increases the cell wall digestibility in maize brown midrib5 mutants. <i>Biotechnology for Biofuels</i> , 2019, 12, 82.	6.2	40
39	The SOS2-SCaBP8 Complex Generates and Fine-Tunes an AtANN4-Dependent Calcium Signature under Salt Stress. <i>Developmental Cell</i> , 2019, 48, 697-709.e5.	7.0	133
40	Physiological and comparative proteomic analyses of saline-alkali NaHCO <sub>3</sub> -responses in leaves of halophyte <i>Puccinellia tenuiflora</i> . <i>Plant and Soil</i> , 2019, 437, 137-158.	3.7	41
41	NaCl-responsive ROS scavenging and energy supply in alkaligrass callus revealed from proteomic analysis. <i>BMC Genomics</i> , 2019, 20, 990.	2.8	19
42	A cytogenetic analysis of male meiosis in <i>Asparagus officinalis</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 666-674.	1.3	3
43	The efficacy of anti-VEGF antibody-modified liposomes loaded with paeonol in the prevention and treatment of hypertrophic scars. <i>Drug Development and Industrial Pharmacy</i> , 2019, 45, 439-455.	2.0	14
44	Large-area gold nanohole arrays fabricated by one-step method for surface plasmon resonance biochemical sensing. <i>Science China Life Sciences</i> , 2018, 61, 476-482.	4.9	8
45	Reactive oxygen species signaling and stomatal movement in plant responses to drought stress and pathogen attack. <i>Journal of Integrative Plant Biology</i> , 2018, 60, 805-826.	8.5	397
46	OsmiR396d Affects Gibberellin and Brassinosteroid Signaling to Regulate Plant Architecture in Rice. <i>Plant Physiology</i> , 2018, 176, 946-959.	4.8	127
47	Modulation of Guard Cell Turgor and Drought Tolerance by a Peroxisomal Acetate Malate Shunt. <i>Molecular Plant</i> , 2018, 11, 1278-1291.	8.3	53
48	A Membrane-Bound NAC-Like Transcription Factor OsNLT5 Represses the Flowering in <i>Oryza sativa</i> . <i>Frontiers in Plant Science</i> , 2018, 9, 555.	3.6	77
49	Proteomics and Phosphoproteomics of Heat Stress-Responsive Mechanisms in Spinach. <i>Frontiers in Plant Science</i> , 2018, 9, 800.	3.6	79
50	Proteomic discovery of H <sub>2</sub> O <sub>2</sub> response in roots and functional characterization of PutGLP gene from alkaligrass. <i>Planta</i> , 2018, 248, 1079-1099.	3.2	18
51	AK1, A Mitogen-Activated Protein Kinase, Modulates Abscisic Acid Responses through the MKK5-MPK6 Kinase Cascade. <i>Plant Physiology</i> , 2017, 173, 1391-1408.	4.8	117
52	Abscisic Acid as an Internal Integrator of Multiple Physiological Processes Modulates Leaf Senescence Onset in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 181.	3.6	89
53	Nitric oxide negatively regulates abscisic acid signaling in guard cells by S-nitrosylation of OST1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 613-618.	7.1	318
54	Co-ordination of Flower Development Through Epigenetic Regulation in Two Model Species: Rice and <i>Arabidopsis</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 830-842.	3.1	35

#	ARTICLE	IF	CITATIONS
55	OsmiR396d-Regulated OsGRFs Function in Floral Organogenesis in Rice through Binding to Their Targets <i>OsMJ706</i> and <i>OsCR4</i> . <i>Plant Physiology</i> , 2014, 165, 160-174.	4.8	172
56	Overexpression of stress-inducible <i>OsBURP16</i> , the $\beta^2$ subunit of polygalacturonase 1, decreases pectin content and cell adhesion and increases abiotic stress sensitivity in rice. <i>Plant, Cell and Environment</i> , 2014, 37, 1144-1158.	5.7	122
57	Timing Mechanism Dependent on Cell Division Is Invoked by Polycomb Eviction in Plant Stem Cells. <i>Science</i> , 2014, 343, 1248559.	12.6	197
58	A Receptor-Like Kinase Mediates Ammonium Homeostasis and Is Important for the Polar Growth of Root Hairs in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2014, 26, 1497-1511.	6.6	124
59	The Cyclophilin CYP20-2 Modulates the Conformation of BRASSINAZOLE-RESISTANT1, Which Binds the Promoter of FLOWERING LOCUS D to Regulate Flowering in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 2504-2521.	6.6	78
60	The interaction between <i>OsMADS57</i> and <i>OsTB1</i> modulates rice tillering via <i>DWARF14</i> . <i>Nature Communications</i> , 2013, 4, 1566.	12.8	266
61	Dynamics of Brassinosteroid Response Modulated by Negative Regulator LIC in Rice. <i>PLoS Genetics</i> , 2012, 8, e1002686.	3.5	130
62	A vacuole localized $\beta^2$ -glucosidase contributes to drought tolerance in <i>Arabidopsis</i> . <i>Science Bulletin</i> , 2011, 56, 3538-3546.	1.7	55
63	Reduced expression of a gene encoding a Golgi localized monosaccharide transporter ( <i>OsGMST1</i> ) confers hypersensitivity to salt in rice ( <i>Oryza sativa</i> ). <i>Journal of Experimental Botany</i> , 2011, 62, 4595-4604.	4.8	42
64	Overexpression of a homeopeptide repeat-containing bHLH protein gene ( <i>OrbHLH001</i> ) from Dongxiang Wild Rice confers freezing and salt tolerance in transgenic <i>Arabidopsis</i> . <i>Plant Cell Reports</i> , 2010, 29, 977-986.	5.6	111
65	An <i>Arabidopsis</i> Glutathione Peroxidase Functions as Both a Redox Transducer and a Scavenger in Abscisic Acid and Drought Stress Responses. <i>Plant Cell</i> , 2006, 18, 2749-2766.	6.6	466
66	Analysis of Global Expression Profiles of <i>Arabidopsis</i> Genes Under Abscisic Acid and H <sub>2</sub> O <sub>2</sub> Applications. <i>Journal of Integrative Plant Biology</i> , 2006, 48, 62-74.	8.5	36
67	SICKLE modulates lateral root development by promoting degradation of lariat intronic RNA. <i>Plant Physiology</i> , 0, , .	4.8	4