# Siyi Guo

List of Publications by Year
in descending order

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

Version: 2024-02-01

| 67 | 5,461 | 109321 | 106344 |
|---|---|---|---|
| papers | citations | 35 h-index | 65 g-index |

| 68 | 68 | 68 | 6659 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Abscisic acid dynamics, signaling, and functions in plants. Journal of Integrative Plant Biology, 2020, 62, 25-54. | 8.5 | 771 |
| 2 | An Arabidopsis Glutathione Peroxidase Functions as Both a Redox Transducer and a Scavenger in Abscisic Acid and Drought Stress Responses. Plant Cell, 2006, 18, 2749-2766. | 6.6 | 466 |
| 3 | Reactive oxygen species signaling and stomatal movement in plant responses to drought stress and pathogen attack. Journal of Integrative Plant Biology, 2018, 60, 805-826. | 8.5 | 397 |
| 4 | Nitric oxide negatively regulates abscisic acid signaling in guard cells by S-nitrosylation of OST1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 613-618. | 7.1 | 318 |
| 5 | The interaction between OsMADS57 and OsTB1 modulates rice tillering via DWARF14. Nature Communications, 2013, 4, 1566. | 12.8 | 266 |
| 6 | Timing Mechanism Dependent on Cell Division Is Invoked by Polycomb Eviction in Plant Stem Cells. Science, 2014, 343, 1248559. | 12.6 | 197 |
| 7 | OsmiR396d-Regulated OsGRFs Function in Floral Organogenesis in Rice through Binding to Their Targets OsJMJ706 and OsCR4. Plant Physiology, 2014, 165, 160-174. | 4.8 | 172 |
| 8 | A RAF-SnRK2 kinase cascade mediates early osmotic stress signaling in higher plants. Nature Communications, 2020, 11, 613. | 12.8 | 147 |
| 9 | The SOS2-SCaBP8 Complex Generates and Fine-Tunes an AtANN4-Dependent Calcium Signature under Salt Stress. Developmental Cell, 2019, 48, 697-709.e5. | 7.0 | 133 |
| 10 | Dynamics of Brassinosteroid Response Modulated by Negative Regulator LIC in Rice. PLoS Genetics, 2012, 8, e1002686. | 3.5 | 130 |
| 11 | OsmiR396d Affects Gibberellin and Brassinosteroid Signaling to Regulate Plant Architecture in Rice. Plant Physiology, 2018, 176, 946-959. | 4.8 | 127 |
| 12 | A Receptor-Like Kinase Mediates Ammonium Homeostasis and Is Important for the Polar Growth of Root Hairs inArabidopsisÂ. Plant Cell, 2014, 26, 1497-1511. | 6.6 | 124 |
| 13 | Overexpression of stressâ€inducible <scp>OsBURP16</scp>, the Î² subunit of polygalacturonase 1, decreases pectin content and cell adhesion and increases abiotic stress sensitivity in rice. Plant, Cell and Environment, 2014, 37, 1144-1158. | 5.7 | 122 |
| 14 | AIK1, A Mitogen-Activated Protein Kinase, Modulates Abscisic Acid Responses through the MKK5-MPK6 Kinase Cascade. Plant Physiology, 2017, 173, 1391-1408. | 4.8 | 117 |
| 15 | The Arabidopsis MYB transcription factor, MYB111 modulates salt responses by regulating flavonoid biosynthesis. Environmental and Experimental Botany, 2019, 166, 103807. | 4.2 | 117 |
| 16 | Overexpression of a homopeptide repeat-containing bHLH protein gene (OrbHLH001) from Dongxiang Wild Rice confers freezing and salt tolerance in transgenic Arabidopsis. Plant Cell Reports, 2010, 29, 977-986. | 5.6 | 111 |
| 17 | BRASSINOSTEROID-INSENSITIVE2 Negatively Regulates the Stability of Transcription Factor ICE1 in Response to Cold Stress in Arabidopsis. Plant Cell, 2019, 31, tpc.00058.2019. | 6.6 | 110 |
| 18 | MiR156 regulates anthocyanin biosynthesis through SPL targets and other microRNAs in poplar. Horticulture Research, 2020, 7, 118. | 6.3 | 90 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Abscisic Acid as an Internal Integrator of Multiple Physiological Processes Modulates Leaf Senescence Onset in Arabidopsis thaliana. Frontiers in Plant Science, 2016, 7, 181. | 3.6 | 89 |
| 20 | Proteomics and Phosphoproteomics of Heat Stress-Responsive Mechanisms in Spinach. Frontiers in Plant Science, 2018, 9, 800. | 3.6 | 79 |
| 21 | The Cyclophilin CYP20-2 Modulates the Conformation of BRASSINAZOLE-RESISTANT1, Which Binds the Promoter of FLOWERING LOCUS D to Regulate Flowering in Arabidopsis. Plant Cell, 2013, 25, 2504-2521. | 6.6 | 78 |
| 22 | ABI5 modulates seed germination via feedback regulation of the expression of the PYR/PYL/RCAR ABA receptor genes. New Phytologist, 2020, 228, 596-608. | 7.3 | 78 |
| 23 | A Membrane-Bound NAC-Like Transcription Factor OsNTL5 Represses the Flowering in Oryza sativa. Frontiers in Plant Science, 2018, 9, 555. | 3.6 | 77 |
| 24 | Biosynthesis of DHGA12 and its roles in Arabidopsis seedling establishment. Nature Communications, 2019, 10, 1768. | 12.8 | 72 |
| 25 | BZU2/ZmMUTE controls symmetrical division of guard mother cell and specifies neighbor cell fate in maize. PLoS Genetics, 2019, 15, e1008377. | 3.5 | 64 |
| 26 | An amplification-selection model for quantified rhizosphere microbiota assembly. Science Bulletin, 2020, 65, 983-986. | 9.0 | 64 |
| 27 | Flavonoids improve drought tolerance of maize seedlings by regulating the homeostasis of reactive oxygen species. Plant and Soil, 2021, 461, 389-405. | 3.7 | 64 |
| 28 | Trehaloseâ€6â€phosphate phosphatase E modulates ABAâ€controlled root growth and stomatal movement in Arabidopsis. Journal of Integrative Plant Biology, 2020, 62, 1518-1534. | 8.5 | 58 |
| 29 | A vacuole localized Î²-glucosidase contributes to drought tolerance in Arabidopsis. Science Bulletin, 2011, 56, 3538-3546. | 1.7 | 55 |
| 30 | Modulation of Guard Cell Turgor and Drought Tolerance by a Peroxisomal Acetateâ€“Malate Shunt. Molecular Plant, 2018, 11, 1278-1291. | 8.3 | 53 |
| 31 | Reduced expression of a gene encoding a Golgi localized monosaccharide transporter (OsGMST1) confers hypersensitivity to salt in rice (Oryza sativa). Journal of Experimental Botany, 2011, 62, 4595-4604. | 4.8 | 42 |
| 32 | Beyond Light: Insights Into the Role of Constitutively Photomorphogenic1 in Plant Hormonal Signaling. Frontiers in Plant Science, 2019, 10, 557. | 3.6 | 42 |
| 33 | Physiological and comparative proteomic analyses of saline-alkali NaHCO3-responses in leaves of halophyte Puccinellia tenuiflora. Plant and Soil, 2019, 437, 137-158. | 3.7 | 41 |
| 34 | The RING E3 ligase CLG1 targets GS3 for degradation via the endosome pathway to determine grain size in rice. Molecular Plant, 2021, 14, 1699-1713. | 8.3 | 41 |
| 35 | Mutation of 4-coumarate: coenzyme A ligase 1 gene affects lignin biosynthesis and increases the cell wall digestibility in maize brown midrib5 mutants. Biotechnology for Biofuels, 2019, 12, 82. | 6.2 | 40 |
| 36 | Antagonistic Interaction between Auxin and SA Signaling Pathways Regulates Bacterial Infection through Lateral Root in Arabidopsis. Cell Reports, 2020, 32, 108060. | 6.4 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Analysis of Global Expression Profiles of Arabidopsis Genes Under Abscisic Acid and H2O2 Applications. Journal of Integrative Plant Biology, 2006, 48, 62-74. | 8.5 | 36 |
| 38 | Co-ordination of Flower Development Through Epigenetic Regulation in Two Model Species: Rice and Arabidopsis. Plant and Cell Physiology, 2015, 56, 830-842. | 3.1 | 35 |
| 39 | COP1 promotes ABAâ€induced stomatal closure by modulating the abundance of ABI/HAB and AHG3 phosphatases. New Phytologist, 2021, 229, 2035-2049. | 7.3 | 32 |
| 40 | PIFs coordinate shade avoidance by inhibiting auxin repressor ARF18 and metabolic regulator QQS. New Phytologist, 2020, 228, 609-621. | 7.3 | 29 |
| 41 | Plant Chloroplast Stress Response: Insights from Thiol Redox Proteomics. Antioxidants and Redox Signaling, 2020, 33, 35-57. | 5.4 | 29 |
| 42 | From mouse to mouseâ€ear cress: Nanomaterials as vehicles in plant biotechnology. Exploration, 2021, 1, 9-20. | 11.0 | 27 |
| 43 | Efficient Generation of CRISPR/Cas9-Mediated Homozygous/Biallelic Medicago truncatula Mutants Using a Hairy Root System. Frontiers in Plant Science, 2020, 11, 294. | 3.6 | 25 |
| 44 | Heat-Responsive Proteomics of a Heat-Sensitive Spinach Variety. International Journal of Molecular Sciences, 2019, 20, 3872. | 4.1 | 23 |
| 45 | Nod factor receptor complex phosphorylates GmGEF2 to stimulate ROP signaling during nodulation. Current Biology, 2021, 31, 3538-3550.e5. | 3.9 | 22 |
| 46 | Allele-defined genome reveals biallelic differentiation during cassava evolution. Molecular Plant, 2021, 14, 851-854. | 8.3 | 20 |
| 47 | NaCl-responsive ROS scavenging and energy supply in alkaligrass callus revealed from proteomic analysis. BMC Genomics, 2019, 20, 990. | 2.8 | 19 |
| 48 | AtHB7/12 Regulate Root Growth in Response to Aluminum Stress. International Journal of Molecular Sciences, 2020, 21, 4080. | 4.1 | 19 |
| 49 | Proteomic discovery of H2O2 response in roots and functional characterization of PutGLP gene from alkaligrass. Planta, 2018, 248, 1079-1099. | 3.2 | 18 |
| 50 | ABC1K10a, an atypical kinase, functions in plant salt stress tolerance. BMC Plant Biology, 2020, 20, 270. | 3.6 | 15 |
| 51 | The efficacy of anti-VEGF antibody-modified liposomes loaded with paeonol in the prevention and treatment of hypertrophic scars. Drug Development and Industrial Pharmacy, 2019, 45, 439-455. | 2.0 | 14 |
| 52 | Behaviour of cell penetrating peptide TAT-modified liposomes loaded with salvianolic acid B on the migration, proliferation, and survival of human skin fibroblasts. Journal of Liposome Research, 2020, 30, 93-106. | 3.3 | 14 |
| 53 | Screening of abiotic stressâ€responsive cotton genes using a cotton fullâ€length cDNA overexpressing Arabidopsis library. Journal of Integrative Plant Biology, 2020, 62, 998-1016. | 8.5 | 12 |
| 54 | The UBP14-CDKB1;1-CDKG2 cascade controls endoreduplication and cell growth in Arabidopsis. Plant Cell, 2022, 34, 1308-1325. | 6.6 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Na2CO3-responsive Photosynthetic and ROS Scavenging Mechanisms in Chloroplasts of Alkaligrass Revealed by Phosphoproteomics. Genomics, Proteomics and Bioinformatics, 2020, 18, 271-288. | 6.9 | 10 |
| 56 | Large-area gold nanohole arrays fabricated by one-step method for surface plasmon resonance biochemical sensing. Science China Life Sciences, 2018, 61, 476-482. | 4.9 | 8 |
| 57 | GhWRKY46 from upland cotton positively regulates the drought and salt stress responses in plant. Environmental and Experimental Botany, 2021, 186, 104438. | 4.2 | 8 |
| 58 | The maize single-nucleus transcriptome comprehensively describes signaling networks governing movement and development of grass stomata. Plant Cell, 2022, , . | 6.6 | 8 |
| 59 | Selection and Validation of Reference Genes for RT-qPCR Analysis in Spinacia oleracea under Abiotic Stress. BioMed Research International, 2021, 2021, 1-12. | 1.9 | 6 |
| 60 | Overexpression of AHL9 accelerates leaf senescence in Arabidopsis thaliana. BMC Plant Biology, 2022, 22, 248. | 3.6 | 6 |
| 61 | Characterization of Two New brown midrib1 Mutations From an EMS-Mutagenic Maize Population for Lignocellulosic Biomass Utilization. Frontiers in Plant Science, 2020, 11, 594798. | 3.6 | 5 |
| 62 | Genome-wide identification and expression analysis reveals spinach brassinosteroid-signaling kinase (BSK) gene family functions in temperature stress response. BMC Genomics, 2022, 23, . | 2.8 | 5 |
| 63 | SICKLE modulates lateral root development by promoting degradation of lariat intronic RNA. Plant Physiology, 0, , . | 4.8 | 4 |
| 64 | A cytogenetic analysis of male meiosis in Asparagus officinalis. Bioscience, Biotechnology and Biochemistry, 2019, 83, 666-674. | 1.3 | 3 |
| 65 | A set of sampling, preparation, and staining techniques for studying meiosis in cucumber. Plant Science, 2022, 319, 111245. | 3.6 | 3 |
| 66 | Tanshinone IIA down-regulated p-Smad3 signaling to inhibit TGF-Î²1-mediated fibroblast proliferation via lncRNA-HSRL/SNX9. International Journal of Biochemistry and Cell Biology, 2020, 129, 105863. | 2.8 | 2 |
| 67 | Determination of UDP-Glucose and UDP-Galactose in Maize by Hydrophilic Interaction Liquid Chromatography and Tandem Mass Spectrometry. Journal of Analytical Methods in Chemistry, 2022, 2022, 1-6. | 1.6 | 0 |