# Jongho Sun

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4169753/publications.pdf

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|---|---|---|---|
| 28 papers | 4,138 citations | 218677 26 h-index | 501196 28 g-index |
| 28 all docs | 28 docs citations | 28 times ranked | 3230 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Medicago truncatula NIN Is Essential for Rhizobial-Independent Nodule Organogenesis Induced by Autoactive Calcium/Calmodulin-Dependent Protein Kinase. Plant Physiology, 2007, 144, 324-335. | 4.8 | 404 |
| 2 | Differential and chaotic calcium signatures in the symbiosis signaling pathway of legumes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9823-9828. | 7.1 | 262 |
| 3 | A GRAS-Type Transcription Factor with a Specific Function in Mycorrhizal Signaling. Current Biology, 2012, 22, 2236-2241. | 3.9 | 262 |
| 4 | Green fluorescent protein as a reporter for spatial and temporal gene expression in Streptomyces coelicolor A3(2) This paper is dedicated to the memory of Kathy Kendrick, whose devotion to understanding the biology of Streptomyces was unsurpassed.. Microbiology (United Kingdom), 1999, 145, 2221-2227. | 1.8 | 234 |
| 5 | The receptor kinase <scp>CERK</scp>1 has dual functions in symbiosis and immunity signalling. Plant Journal, 2015, 81, 258-267. | 5.7 | 232 |
| 6 | Nuclear-localized cyclic nucleotideâ€“gated channels mediate symbiotic calcium oscillations. Science, 2016, 352, 1102-1105. | 12.6 | 230 |
| 7 | Vapyrin, a gene essential for intracellular progression of arbuscular mycorrhizal symbiosis, is also essential for infection by rhizobia in the nodule symbiosis of Medicago truncatula. Plant Journal, 2011, 65, 244-252. | 5.7 | 211 |
| 8 | Crosstalk between jasmonic acid, ethylene and Nod factor signaling allows integration of diverse inputs for regulation of nodulation. Plant Journal, 2006, 46, 961-970. | 5.7 | 204 |
| 9 | Nuclear membranes control symbiotic calcium signaling of legumes. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14348-14353. | 7.1 | 191 |
| 10 | Abscisic Acid Coordinates Nod Factor and Cytokinin Signaling during the Regulation of Nodulation in Medicago truncatula. Plant Cell, 2008, 20, 2681-2695. | 6.6 | 189 |
| 11 | Activation of Symbiosis Signaling by Arbuscular Mycorrhizal Fungi in Legumes and Rice. Plant Cell, 2015, 27, 823-838. | 6.6 | 188 |
| 12 | The NIN Transcription Factor Coordinates Diverse Nodulation Programs in Different Tissues of the Medicago truncatula Root. Plant Cell, 2015, 27, 3410-3424. | 6.6 | 178 |
| 13 | Analysis of Nod-Factor-Induced Calcium Signaling in Root Hairs of Symbiotically Defective Mutants of Lotus japonicus. Molecular Plant-Microbe Interactions, 2006, 19, 914-923. | 2.6 | 164 |
| 14 | Analysis of calcium spiking using a cameleon calcium sensor reveals that nodulation gene expression is regulated by calcium spike number and the developmental status of the cell. Plant Journal, 2006, 48, 883-894. | 5.7 | 150 |
| 15 | Medicago truncatula IPD3 Is a Member of the Common Symbiotic Signaling Pathway Required for Rhizobial and Mycorrhizal Symbioses. Molecular Plant-Microbe Interactions, 2011, 24, 1345-1358. | 2.6 | 147 |
| 16 | A combination of chitooligosaccharide and lipochitooligosaccharide recognition promotes arbuscular mycorrhizal associations in Medicago truncatula. Nature Communications, 2019, 10, 5047. | 12.8 | 129 |
| 17 | The Medicago truncatula DMI1 Protein Modulates Cytosolic Calcium Signaling. Plant Physiology, 2007, 145, 192-203. | 4.8 | 99 |
| 18 | Bacterialâ€induced calcium oscillations are common to nitrogenâ€fixing associations of nodulating legumes and nonâ€legumes. New Phytologist, 2015, 207, 551-558. | 7.3 | 89 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Arabidopsis RelA/SpoT homologs implicate (p)ppGpp in plant signaling. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 3747-3752. | 7.1 | 85 |
| 20 | Abscisic Acid Promotion of Arbuscular Mycorrhizal Colonization Requires a Component of the PROTEIN PHOSPHATASE 2A Complex Â Â. Plant Physiology, 2014, 166, 2077-2090. | 4.8 | 81 |
| 21 | Induction of ppGpp synthesis in Streptomyces coelicolor A3(2) grown under conditions of nutritional sufficiency elicits actII-ORF4 transcription and actinorhodin biosynthesis. Molecular Microbiology, 2001, 39, 136-144. | 2.5 | 76 |
| 22 | Calcium Spiking Patterns and the Role of the Calcium/Calmodulin-Dependent Kinase CCaMK in Lateral Root Base Nodulation of Sesbania rostrata Â Â. Plant Cell, 2009, 21, 1526-1540. | 6.6 | 75 |
| 23 | Functional Analysis of relA and rshA , Two relA/spoT Homologues of Streptomyces coelicolor A3(2). Journal of Bacteriology, 2001, 183, 3488-3498. | 2.2 | 71 |
| 24 | MtLAX2, a Functional Homologue of the Arabidopsis Auxin Influx Transporter AUX1, Is Required for Nodule Organogenesis. Plant Physiology, 2017, 174, 326-338. | 4.8 | 56 |
| 25 | Mastoparan Activates Calcium Spiking Analogous to Nod Factor-Induced Responses in Medicago truncatula Root Hair Cells. Plant Physiology, 2007, 144, 695-702. | 4.8 | 46 |
| 26 | Buffering Capacity Explains Signal Variation in Symbiotic Calcium Oscillations Â Â Â. Plant Physiology, 2012, 160, 2300-2310. | 4.8 | 39 |
| 27 | Atypical Receptor Kinase RINRK1 Required for Rhizobial Infection But Not Nodule Development in Lotus japonicus. Plant Physiology, 2019, 181, 804-816. | 4.8 | 28 |
| 28 | Nonlinear Time Series Analysis of Nodulation Factor Induced Calcium Oscillations: Evidence for Deterministic Chaos?. PLoS ONE, 2009, 4, e6637. | 2.5 | 18 |