# Stig UggerhÃ¸j Andersen

List of Publications by Year
in descending order



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|---|---|---|---|
| 63 papers | 10,307 citations | 159585 30 h-index | 128289 60 g-index |
| 81 all docs | 81 docs citations | 81 times ranked | 20796 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Major effect loci for plant size before onset of nitrogen fixation allow accurate prediction of yield in white clover. Theoretical and Applied Genetics, 2022, 135, 125-143. | 3.6 | 4 |
| 2 | Lotus japonicus. Current Biology, 2022, 32, R149-R150. | 3.9 | 1 |
| 3 | Widespread and transgenerational retrotransposon activation in interâ€•and intraspecies recombinant inbred populations of <i>Lotus japonicus</i>. Plant Journal, 2022, 111, 1397-1410. | 5.7 | 3 |
| 4 | <i>Lotus japonicus Nuclear Factor YA1</i>, a nodule emergence stageâ€specific regulator of auxin signalling. New Phytologist, 2021, 229, 1535-1552. | 7.3 | 39 |
| 5 | MAUIâ€seq: Metabarcoding using amplicons with unique molecular identifiers to improve error correction. Molecular Ecology Resources, 2021, 21, 703-720. | 4.8 | 11 |
| 6 | Recent advances in faba bean genetic and genomic tools for crop improvement. , 2021, 3, e75. | | 38 |
| 7 | Natural variation identifies a <i>Pxy</i> gene controlling vascular organisation and formation of nodules and lateral roots in <i>Lotus japonicus</i>. New Phytologist, 2021, 230, 2459-2473. | 7.3 | 7 |
| 8 | VC1 catalyses a key step in the biosynthesis of vicine in faba bean. Nature Plants, 2021, 7, 923-931. | 9.3 | 34 |
| 9 | Competition, Nodule Occupancy, and Persistence of Inoculant Strains: Key Factors in the Rhizobium-Legume Symbioses. Frontiers in Plant Science, 2021, 12, 690567. | 3.6 | 49 |
| 10 | Recombination Facilitates Adaptive Evolution in Rhizobial Soil Bacteria. Molecular Biology and Evolution, 2021, 38, 5480-5490. | 8.9 | 7 |
| 11 | Genetic variation is associated with differences in facilitative and competitive interactions in the Rhizobium leguminosarum species complex. Environmental Microbiology, 2021, , . | 3.8 | 9 |
| 12 | Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (edition | 9.1 | 1,430 |
| 13 | Evaluation of yield, yield stability, and yieldâ€"protein relationship in 17 commercial faba bean cultivars. , 2020, 2, e39. | | 22 |
| 14 | Greenotyper: Image-Based Plant Phenotyping Using Distributed Computing and Deep Learning. Frontiers in Plant Science, 2020, 11, 1181. | 3.6 | 25 |
| 15 | Insights into the evolution of symbiosis gene copy number and distribution from a chromosome-scale<i>Lotus japonicus</i>Gifu genome sequence. DNA Research, 2020, 27, . | 3.4 | 35 |
| 16 | Extreme genetic signatures of local adaptation during Lotus japonicus colonization of Japan. Nature Communications, 2020, 11, 253. | 12.8 | 30 |
| 17 | Symbiosis genes show a unique pattern of introgression and selection within a Rhizobium leguminosarum species complex. Microbial Genomics, 2020, 6, . | 2.0 | 31 |
| 18 | Eliminating vicine and convicine, the main anti-nutritional factors restricting faba bean usage. Trends in Food Science and Technology, 2019, 91, 549-556. | 15.1 | 84 |

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|---|---|---|---|
| 19 | Atypical Receptor Kinase RINRK1 Required for Rhizobial Infection But Not Nodule Development in <i>Lotus japonicus</i>. Plant Physiology, 2019, 181, 804-816. | 4.8 | 28 |
| 20 | Breaking Free: The Genomics of Allopolyploidy-Facilitated Niche Expansion in White Clover. Plant Cell, 2019, 31, 1466-1487. | 6.6 | 89 |
| 21 | Identification of novel genes involved in phosphate accumulation in Lotus japonicusÂthrough Genome Wide Association mapping of root system architecture and anion content. PLoS Genetics, 2019, 15, e1008126. | 3.5 | 15 |
| 22 | <i>Lotus japonicus <scp>NOOT</scp>â€‹<scp>BOP</scp>â€‹<scp>COCH</scp>â€‹<scp>LIKE</scp>1</i> is essential for nodule, nectary, leaf and flower development. Plant Journal, 2018, 94, 880-894. | 5.7 | 32 |
| 23 | Dynamics of Ethylene Production in Response to Compatible Nod Factor. Plant Physiology, 2018, 176, 1764-1772. | 4.8 | 48 |
| 24 | The Brassicaceae Family Displays Divergent, Shoot-Skewed NLR Resistance Gene Expression. Plant Physiology, 2018, 176, 1598-1609. | 4.8 | 36 |
| 25 | Editorial: Molecular and Cellular Mechanisms of the Legume-Rhizobia Symbiosis. Frontiers in Plant Science, 2018, 9, 1839. | 3.6 | 12 |
| 26 | <i>Lotus japonicus</i> Genetic, Mutant, and Germplasm Resources. Current Protocols in Plant Biology, 2018, 3, e20070. | 2.8 | 5 |
| 27 | Distinct Lotus japonicus Transcriptomic Responses to a Spectrum of Bacteria Ranging From Symbiotic to Pathogenic. Frontiers in Plant Science, 2018, 9, 1218. | 3.6 | 43 |
| 28 | A plant chitinase controls cortical infection thread progression and nitrogen-fixing symbiosis. ELife, 2018, 7, . | 6.0 | 32 |
| 29 | User Guide for the LORE1 Insertion Mutant Resource. Methods in Molecular Biology, 2017, 1610, 13-23. | 0.9 | 2 |
| 30 | The <i><scp>LORE</scp>1</i> insertion mutant resource. Plant Journal, 2016, 88, 306-317. | 5.7 | 123 |
| 31 | High-resolution genetic maps ofLotus japonicusandL. burttiibased on re-sequencing of recombinant inbred lines. DNA Research, 2016, 23, 487-494. | 3.4 | 8 |
| 32 | Sinorhizobium fredii HH103 Invades Lotus burttii by Crack Entry in a Nod Factorâ€“and Surface Polysaccharideâ€“Dependent Manner. Molecular Plant-Microbe Interactions, 2016, 29, 925-937. | 2.6 | 41 |
| 33 | Lotus Base: An integrated information portal for the model legume Lotus japonicus. Scientific Reports, 2016, 6, 39447. | 3.3 | 124 |
| 34 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 9.1 | 4,701 |
| 35 | Chromosomal regions associated with the <i>in vitro</i> culture response of wheat (<i><scp>T</scp>riticum aestivum </i><scp>L</scp>.) microspores. Plant Breeding, 2015, 134, 255-263. | 1.9 | 13 |
| 36 | micro RNA 172 (miR172) signals epidermal infection and is expressed in cells primed for bacterial invasion in <i>Lotus japonicus</i> roots and nodules. New Phytologist, 2015, 208, 241-256. | 7.3 | 45 |

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|---|---|---|---|
| 37 | The deubiquitinating enzyme <scp>AMSH</scp>1 is required for rhizobial infection and nodule organogenesis in <i>Lotus japonicus</i>. Plant Journal, 2015, 83, 719-731. | 5.7 | 19 |
| 38 | Naturally occurring diversity helps to reveal genes of adaptive importance in legumes. Frontiers in Plant Science, 2015, 6, 269. | 3.6 | 37 |
| 39 | Receptor-mediated exopolysaccharide perception controls bacterial infection. Nature, 2015, 523, 308-312. | 27.8 | 410 |
| 40 | RNA-Seq analysis and annotation of a draft blueberry genome assembly identifies candidate genes involved in fruit ripening, biosynthesis of bioactive compounds, and stage-specific alternative splicing. GigaScience, 2015, 4, 5. | 6.4 | 138 |
| 41 | SKI2 mediates degradation of RISC 5â€²-cleavage fragments and prevents secondary siRNA production from miRNA targets in<i>Arabidopsis</i>. Nucleic Acids Research, 2015, 43, 10975-10988. | 14.5 | 109 |
| 42 | Genetic Diversity and Population Structure Analysis of European Hexaploid Bread Wheat (Triticum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.5 | 133 |
| 43 | Signaling unmasked. Autophagy, 2014, 10, 520-521. | 9.1 | 26 |
| 44 | Proteome reference maps of the <i>Lotus japonicus</i> nodule and root. Proteomics, 2014, 14, 230-240. | 2.2 | 21 |
| 45 | Lotus japonicus SUNERGOS 1 encodes a predicted subunit A of a DNA topoisomerase VI that is required for nodule differentiation and accommodation of rhizobial infection. Plant Journal, 2014, 78, 811-821. | 5.7 | 28 |
| 46 | Spider genomes provide insight into composition and evolution of venom and silk. Nature Communications, 2014, 5, 3765. | 12.8 | 235 |
| 47 | Genome Sequencing. Compendium of Plant Genomes, 2014, , 35-40. | 0.5 | 1 |
| 48 | Forward and Reverse Genetics: The LORE1 Retrotransposon Insertion Mutants. Compendium of Plant Genomes, 2014, , 221-227. | 0.5 | 1 |
| 49 | Legume and Lotus japonicus Databases. Compendium of Plant Genomes, 2014, , 259-267. | 0.5 | 0 |
| 50 | Catalase and<i>NO CATALASE ACTIVITY1</i>Promote Autophagy-Dependent Cell Death in<i>Arabidopsis</i>Â Â Â. Plant Cell, 2013, 25, 4616-4626. | 6.6 | 101 |
| 51 | High-Throughput and Targeted Genotyping of Lotus japonicus LORE1 Insertion Mutants. Methods in Molecular Biology, 2013, 1069, 119-146. | 0.9 | 12 |
| 52 | <i>shortran</i>: a pipeline for small RNA-seq data analysis. Bioinformatics, 2012, 28, 2698-2700. | 4.1 | 27 |
| 53 | A Set of Lotus japonicus Gifu x Lotus burttii Recombinant Inbred Lines Facilitates Map-based Cloning and QTL Mapping. DNA Research, 2012, 19, 317-323. | 3.4 | 40 |
| 54 | Negative regulation of CCaMK is essential for symbiotic infection. Plant Journal, 2012, 72, 572-584. | 5.7 | 43 |

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|---|---|---|---|
| 55 | Genomeâ€wide <i>LORE1</i> retrotransposon mutagenesis and highâ€throughput insertion detection in <i>Lotus japonicus</i>. Plant Journal, 2012, 69, 731-741. | 5.7 | 149 |
| 56 | Role of A-type ARABIDOPSIS RESPONSE REGULATORS in meristem maintenance and regeneration. European Journal of Cell Biology, 2010, 89, 279-284. | 3.6 | 103 |
| 57 | Hormonal control of the shoot stem-cell niche. Nature, 2010, 465, 1089-1092. | 27.8 | 421 |
| 58 | The in Vivo Toxicity of Hydroxyurea Depends on Its Direct Target Catalase. Journal of Biological Chemistry, 2010, 285, 21411-21415. | 3.4 | 49 |
| 59 | DETORQUEO, QUIRKY, and ZERZAUST Represent Novel Components Involved in Organ Development Mediated by the Receptor-Like Kinase STRUBBELIG in Arabidopsis thaliana. PLoS Genetics, 2009, 5, e1000355. | 3.5 | 78 |
| 60 | SHOREmap: simultaneous mapping and mutation identification by deep sequencing. Nature Methods, 2009, 6, 550-551. | 19.0 | 558 |
| 61 | Requirement of B2-Type<i>Cyclin-Dependent Kinases</i>for Meristem Integrity in<i>Arabidopsis thaliana</i>. Plant Cell, 2008, 20, 88-100. | 6.6 | 181 |
| 62 | The conserved cysteine-rich domain of a tesmin/TSO1-like protein binds zinc in vitro and TSO1 is required for both male and female fertility in Arabidopsis thaliana. Journal of Experimental Botany, 2007, 58, 3657-3670. | 4.8 | 59 |
| 63 | The Glucocorticoid-Inducible GVG System Causes Severe Growth Defects in Both Root and Shoot of the Model Legume Lotus japonicus. Molecular Plant-Microbe Interactions, 2003, 16, 1069-1076. | 2.6 | 43 |