# Peter M Gresshoff

List of Publications by Year
in descending order



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|---|---|---|---|
| 44 papers | 4,548 citations | 186265 28 h-index | 243625 44 g-index |
| 46 all docs | 46 docs citations | 46 times ranked | 3070 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Spatiotemporal changes in gibberellin content are required for soybean nodulation. New Phytologist, 2022, 234, 479-493. | 7.3 | 14 |
| 2 | Soybean CLE peptides and their CLAVATA-like signaling pathways. Advances in Botanical Research, 2022, , . | 1.1 | 0 |
| 3 | Characterisation of Medicago truncatula CLE34 and CLE35 in nitrate and rhizobia regulation of nodulation. New Phytologist, 2021, 229, 2525-2534. | 7.3 | 39 |
| 4 | Shootâ€derived <scp>miR2111</scp> controls legume root and nodule development. Plant, Cell and Environment, 2021, 44, 1627-1641. | 5.7 | 24 |
| 5 | Role of hydroxymethylglutaryl-coenzyme A (HMG-CoA) reductase 1 in nodule development of soybean. Journal of Plant Physiology, 2021, 267, 153543. | 3.5 | 1 |
| 6 | Legume nodulation: The host controls the party. Plant, Cell and Environment, 2019, 42, 41-51. | 5.7 | 267 |
| 7 | A differential k-mer analysis pipeline for comparing RNA-Seq transcriptome and meta-transcriptome datasets without a reference. Functional and Integrative Genomics, 2019, 19, 363-371. | 3.5 | 2 |
| 8 | Triarabinosylation is required for nodulationâ€suppressive CLE peptides to systemically inhibit nodulation in Pisum sativum. Plant, Cell and Environment, 2019, 42, 188-197. | 5.7 | 29 |
| 9 | Local and Systemic Effect of Cytokinins on Soybean Nodulation and Regulation of Their Isopentenyl Transferase (IPT) Biosynthesis Genes Following Rhizobia Inoculation. Frontiers in Plant Science, 2018, 9, 1150. | 3.6 | 41 |
| 10 | Arabinosylation Modulates the Growth-Regulating Activity of the Peptide Hormone CLE40a from Soybean. Cell Chemical Biology, 2017, 24, 1347-1355.e7. | 5.2 | 35 |
| 11 | CLE peptide-encoding gene families in Medicago truncatula and Lotus japonicus, compared with those of soybean, common bean and Arabidopsis. Scientific Reports, 2017, 7, 9384. | 3.3 | 45 |
| 12 | Neodiversification of homeologous CLAVATA1-like receptor kinase genes in soybean leads to distinct developmental outcomes. Scientific Reports, 2017, 7, 8878. | 3.3 | 25 |
| 13 | De novo sequencing and characterization of seed transcriptome of the tree legume Millettia pinnata for gene discovery and SSR marker development. Molecular Breeding, 2016, 36, 1. | 2.1 | 17 |
| 14 | Genome-wide annotation and characterization of CLAVATA/ESR (CLE) peptide hormones of soybean (Glycine max) and common bean (Phaseolus vulgaris), and their orthologues ofArabidopsis thaliana. Journal of Experimental Botany, 2015, 66, 5271-5287. | 4.8 | 46 |
| 15 | Identification of the Primary Lesion of Toxic Aluminum in Plant Roots Â. Plant Physiology, 2015, 167, 1402-1411. | 4.8 | 194 |
| 16 | Functional analysis of duplicated Symbiosis Receptor Kinase (SymRK) genes during nodulation and mycorrhizal infection in soybean (Glycine max). Journal of Plant Physiology, 2015, 176, 157-168. | 3.5 | 30 |
| 17 | Isolation and Characterization of Circadian Clock Genes in the Biofuel Plant Pongamia (Millettia) Tj ETQq1 1 0.784314 rgBT /Overlock 1 | 3.9 | 8 |
| 18 | The structure and activity of nodulation-suppressing CLE peptide hormones of legumes. Functional Plant Biology, 2015, 42, 229. | 2.1 | 31 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The value of biodiversity in legume symbiotic nitrogen fixation and nodulation for biofuel and food production. Journal of Plant Physiology, 2015, 172, 128-136. | 3.5 | 58 |
| 20 | Mechanistic action of gibberellins in legume nodulation. Journal of Integrative Plant Biology, 2014, 56, 971-978. | 8.5 | 55 |
| 21 | The soybean (Glycine max) nodulationâ€suppressive <scp>CLE</scp> peptide, Gm<scp>RIC</scp>1, functions interspecifically in common white bean (Phaseolus vulgaris), but not in a supernodulating line mutated in the receptor Pv<scp>NARK</scp>. Plant Biotechnology Journal, 2014, 12, 1085-1097. | 8.3 | 55 |
| 22 | Nodulation in the Legume Biofuel Feedstock Tree Pongamia pinnata. Agricultural Research, 2013, 2, 207-214. | 1.7 | 22 |
| 23 | Genetic and Genomic Analysis of the Tree Legume Pongamia pinnata as a Feedstock for Biofuels. Plant Genome, 2013, 6, plantgenome2013.05.0015. | 2.8 | 17 |
| 24 | Transient Nod factorâ€dependent gene expression in the nodulationâ€competent zone of soybean (Glycine max [L.] Merr.) roots. Plant Biotechnology Journal, 2012, 10, 995-1010. | 8.3 | 86 |
| 25 | An efficient petiole-feeding bioassay for introducing aqueous solutions into dicotyledonous plants. Nature Protocols, 2011, 6, 36-45. | 12.0 | 51 |
| 26 | Inoculation- and Nitrate-Induced CLE Peptides of Soybean Control NARK-Dependent Nodule Formation. Molecular Plant-Microbe Interactions, 2011, 24, 606-618. | 2.6 | 243 |
| 27 | Suppression of hypernodulation in soybean by a leafâ€extracted, NARKâ€and Nod factorâ€dependent, low molecular mass fraction. New Phytologist, 2010, 185, 1074-1086. | 7.3 | 89 |
| 28 | Molecular Analysis of Legume Nodule Development and Autoregulation. Journal of Integrative Plant Biology, 2010, 52, 61-76. | 8.5 | 532 |
| 29 | Soybean Nodule Autoregulation Receptor Kinase Phosphorylates Two Kinase-associated Protein Phosphatases in Vitro. Journal of Biological Chemistry, 2008, 283, 25381-25391. | 3.4 | 54 |
| 30 | Promoters of Orthologous Glycine max and Lotus japonicus Nodulation Autoregulation Genes Interchangeably Drive Phloem-Specific Expression in Transgenic Plants. Molecular Plant-Microbe Interactions, 2007, 20, 769-780. | 2.6 | 74 |
| 31 | Agrobacterium rhizogenes-mediated transformation of soybean to study root biology. Nature Protocols, 2007, 2, 948-952. | 12.0 | 460 |
| 32 | Long-Distance Signaling in Nodulation Directed by a CLAVATA1-Like Receptor Kinase. Science, 2003, 299, 109-112. | 12.6 | 496 |
| 33 | Post-genomic insights into plant nodulation symbioses. Genome Biology, 2003, 4, 201. | 9.6 | 41 |
| 34 | Research note: Shoot control of hypernodulation and aberrant root formation in the har1-1 mutant of Lotus japonicus. Functional Plant Biology, 2002, 29, 1371. | 2.1 | 28 |
| 35 | Short root mutant of Lotus japonicus with a dramatically altered symbiotic phenotype. Plant Journal, 2000, 23, 97-114. | 5.7 | 268 |
| 36 | Inoculation and nitrate alter phytohormone levels in soybean roots: differences between a supernodulating mutant and the wild type. Planta, 2000, 211, 98-104. | 3.2 | 143 |

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|---|---|---|---|
| 37 | Alfalfa Controls Nodulation during the Onset of Rhizobium-induced Cortical Cell Division. Plant Physiology, 1991, 95, 366-373. | 4.8 | 70 |
| 38 | Genetic analysis and complementation studies on a number of mutant supernodulating soybean lines. Journal of Genetics, 1988, 67, 1-8. | 0.7 | 33 |
| 39 | Growth comparisons of a supernodulating soybean (Glycine max) mutant and its wild-type parent. Physiologia Plantarum, 1986, 68, 375-382. | 5.2 | 99 |
| 40 | Regulation of the Soybean-Rhizobium Nodule Symbiosis by Shoot and Root Factors. Plant Physiology, 1986, 82, 588-590. | 4.8 | 314 |
| 41 | Competitive growth of slow growingRhizobium japonicum against fast growingEnterobacter andPseudomonas species at low concentrations of succinate and other substrates in dialysis culture. Archives of Microbiology, 1985, 142, 223-228. | 2.2 | 9 |
| 42 | A Supernodulation and Nitrate-Tolerant Symbiotic (nts) Soybean Mutant. Plant Physiology, 1985, 78, 34-40. | 4.8 | 372 |
| 43 | Ecotypic variation of in vitro plantlet formation in white clover (Trifolium repens). Plant Cell Reports, 1982, 1, 189-92. | 5.6 | 13 |
| 44 | Amide metabolism of Chlamydomonas reinhardi. Archives of Microbiology, 1981, 128, 303-306. | 2.2 | 10 |