# Clare Gough

List of Publications by Year
in descending order

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| 35 | 4,570 | 304743 | 361022 |
|---|---|---|---|
| papers | citations | 22 h-index | 35 g-index |

| 38 | 38 | 38 | 2879 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | NSP1 of the GRAS Protein Family Is Essential for Rhizobial Nod Factor-Induced Transcription. Science, 2005, 308, 1789-1791. | 12.6 | 534 |
| 2 | Four Genes of Medicago truncatula Controlling Components of a Nod Factor Transduction Pathway. Plant Cell, 2000, 12, 1647-1665. | 6.6 | 519 |
| 3 | The Medicago truncatula Lysine Motif-Receptor-Like Kinase Gene Family Includes NFP and New Nodule-Expressed Genes. Plant Physiology, 2006, 142, 265-279. | 4.8 | 467 |
| 4 | The NFP locus of Medicago truncatula controls an early step of Nod factor signal transduction upstream of a rapid calcium flux and root hair deformation. Plant Journal, 2003, 34, 495-506. | 5.7 | 350 |
| 5 | A Diffusible Factor from Arbuscular Mycorrhizal Fungi Induces Symbiosis-Specific MtENOD11 Expression in Roots ofMedicago truncatula Â. Plant Physiology, 2003, 131, 952-962. | 4.8 | 335 |
| 6 | Medicago LYK3, an Entry Receptor in Rhizobial Nodulation Factor Signaling. Plant Physiology, 2007, 145, 183-191. | 4.8 | 322 |
| 7 | Nod factors and a diffusible factor from arbuscular mycorrhizal fungi stimulate lateral root formation in Medicago truncatula via the DMI1/DMI2 signalling pathway. Plant Journal, 2005, 44, 195-207. | 5.7 | 305 |
| 8 | Expression Profiling in Medicago truncatula Identifies More Than 750 Genes Differentially Expressed during Nodulation, Including Many Potential Regulators of the Symbiotic Program. Plant Physiology, 2004, 136, 3159-3176. | 4.8 | 269 |
| 9 | The hrp gene locus of Pseudomonas solanacearum, which controls the production of a type III secretion system, encodes eight proteins related to components of the bacterial flagellar biogenesis complex. Molecular Microbiology, 1995, 15, 1095-1114. | 2.5 | 215 |
| 10 | Lipo-chitooligosaccharide Signaling in Endosymbiotic Plant-Microbe Interactions. Molecular Plant-Microbe Interactions, 2011, 24, 867-878. | 2.6 | 203 |
| 11 | <scp>NFP</scp>, a <scp>L</scp>ys<scp>M</scp> protein controlling <scp>N</scp>od <scp>f</scp>actor perception, also intervenes in <scp>M</scp>edicago truncatula resistance to pathogens. New Phytologist, 2013, 198, 875-886. | 7.3 | 144 |
| 12 | The RPG gene of Medicago truncatula controls Rhizobium -directed polar growth during infection. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9817-9822. | 7.1 | 141 |
| 13 | Specific Flavonoids Promote Intercellular Root Colonization of Arabidopsis thaliana by Azorhizobium caulinodans ORS571. Molecular Plant-Microbe Interactions, 1997, 10, 560-570. | 2.6 | 85 |
| 14 | Lipo-chitooligosaccharidic Symbiotic Signals Are Recognized by LysM Receptor-Like Kinase LYR3 in the Legume Medicago truncatula. ACS Chemical Biology, 2013, 8, 1900-1906. | 3.4 | 83 |
| 15 | Contribution of NFP LysM Domains to the Recognition of Nod Factors during the Medicago truncatula/Sinorhizobium meliloti Symbiosis. PLoS ONE, 2011, 6, e26114. | 2.5 | 70 |
| 16 | Lateral root formation and patterning in Medicago truncatula. Journal of Plant Physiology, 2014, 171, 301-310. | 3.5 | 67 |
| 17 | Combined genetic and transcriptomic analysis reveals three major signalling pathways activated by Mycâ€<scp>LCO</scp>s in Medicago truncatula. New Phytologist, 2015, 208, 224-240. | 7.3 | 61 |
| 18 | The Medicago truncatula LysM receptorâ€like kinase LYK9 plays a dual role in immunity and the arbuscular mycorrhizal symbiosis. New Phytologist, 2019, 223, 1516-1529. | 7.3 | 59 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nod factor perception protein carries weight in biotic interactions. Trends in Plant Science, 2013, 18, 566-574. | 8.8 | 53 |
| 20 | Nod factors potentiate auxin signaling for transcriptional regulation and lateral root formation inMedicago truncatula. Journal of Experimental Botany, 2017, 68, erw474. | 4.8 | 40 |
| 21 | Sinorhizobium meliloti succinylated highâ€molecularâ€weight succinoglycan and the Medicago truncatula LysM receptorâ€like kinase MtLYK10 participate independently in symbiotic infection. Plant Journal, 2020, 102, 311-326. | 5.7 | 37 |
| 22 | Evolutionary History of Plant LysM Receptor Proteins Related to Root Endosymbiosis. Frontiers in Plant Science, 2018, 9, 923. | 3.6 | 35 |
| 23 | Lipoâ€chitooligosaccharide signalling blocks a rapid pathogenâ€induced <scp>ROS</scp> burst without impeding immunity. New Phytologist, 2019, 221, 743-749. | 7.3 | 24 |
| 24 | Developmental and pathogen-induced activation of an msr gene, str246C, from tobacco involves multiple regulatory elements. Molecular Genetics and Genomics, 1995, 247, 323-337. | 2.4 | 21 |
| 25 | Abscisic acid promotes pre-emergence stages of lateral root development in Medicago truncatula. Plant Signaling and Behavior, 2015, 10, e977741. | 2.4 | 19 |
| 26 | LeGOO: An Expertized Knowledge Database for the Model Legume Medicago truncatula. Plant and Cell Physiology, 2020, 61, 203-211. | 3.1 | 19 |
| 27 | Lipoâ€chitooligosaccharides promote lateral root formation and modify auxin homeostasis in Brachypodium distachyon. New Phytologist, 2019, 221, 2190-2202. | 7.3 | 17 |
| 28 | Development of a GAL4-VP16/UAS trans-activation system for tissue specific expression in Medicago truncatula. PLoS ONE, 2017, 12, e0188923. | 2.5 | 14 |
| 29 | Structural organization of str 246C and str 246N, plant defense-related genes from Nicotiana tabacum. Plant Molecular Biology, 1994, 26, 515-521. | 3.9 | 12 |
| 30 | Similarity between the Rhizobium meliloti flip gene and pathogenicity-associated genes from animal and plant pathogens. Gene, 1995, 152, 65-67. | 2.2 | 12 |
| 31 | Rhizobium Symbiosis: Insight into Nod Factor Receptors. Current Biology, 2003, 13, R973-R975. | 3.9 | 12 |
| 32 | Endosymbiotic Sinorhizobium meliloti modulate Medicago root susceptibility to secondary infection via ethylene. New Phytologist, 2019, 223, 1505-1515. | 7.3 | 8 |
| 33 | Cell autonomous and non-cell autonomous control of rhizobial and mycorrhizal infection inMedicago truncatula. Plant Signaling and Behavior, 2013, 8, e22999. | 2.4 | 6 |
| 34 | Distinct genetic basis for root responses to lipo-chitooligosaccharide signal molecules from different microbial origins. Journal of Experimental Botany, 2021, 72, 3821-3834. | 4.8 | 5 |
| 35 | The ex planta signal activity of a Medicago ribosomal uL2 protein suggests a moonlighting role in controlling secondary rhizobial infection. PLoS ONE, 2020, 15, e0235446. | 2.5 | 1 |