Emma J Wallington

List of Publications by Year
in descending order

21 papers	1,219 citations	471371 17 h-index	713332 21 g-index
21 all docs	21 docs citations	21 times ranked	1867 citing authors

#	Article	IF	Citations
1	Arabidopsis <scp>EF</scp>â€Tu receptor enhances bacterial disease resistance in transgenic wheat. New Phytologist, 2015, 206, 606-613.	3.5	150
2	Wheat Stripe Rust Resistance Protein WKS1 Reduces the Ability of the Thylakoid-Associated Ascorbate Peroxidase to Detoxify Reactive Oxygen Species. Plant Cell, 2015, 27, 1755-1770.	3.1	133
3	The fungal ribonuclease-like effector protein CSEP0064/BEC1054 represses plant immunity and interferes with degradation of host ribosomal RNA. PLoS Pathogens, 2019, 15, e1007620.	2.1	105
4	The negative regulator SMAX1 controls mycorrhizal symbiosis and strigolactone biosynthesis in rice. Nature Communications, 2020, 11, 2114.	5.8	101
5	TaFROG encodes a Pooideae orphan protein that interacts with SnRK1 and enhances resistance to the mycotoxigenic fungus Fusarium graminearum. Plant Physiology, 2015, 169, pp.01056.2015.	2.3	82
6	Overcoming the tradeâ€off between grain weight and number in wheat by the ectopic expression of expansin in developing seeds leads to increased yield potential. New Phytologist, 2021, 230, 629-640.	3.5	79
7	Efficient generation of stable, heritable gene edits in wheat using CRISPR/Cas9. BMC Plant Biology, 2018, 18, 215.	1.6	75
8	Increasing erucic acid content through combination of endogenous low polyunsaturated fatty acids alleles with Ld-LPAATÂ+ÂBn-fae1 transgenes in rapeseed (Brassica napus L.). Theoretical and Applied Genetics, 2009, 118, 765-773.	1.8	67
9	CRISPR/Cas9 Gene Editing of Gluten in Wheat to Reduce Gluten Content and Exposureâ€”Reviewing Methods to Screen for Coeliac Safety. Frontiers in Nutrition, 2020, 7, 51.	1.6	59
10	A wheat NAC interacts with an orphan protein and enhances resistance to Fusarium head blight disease. Plant Biotechnology Journal, 2019, 17, 1892-1904.	4.1	55
11	A rice Serine/Threonine receptor-like kinase regulates arbuscular mycorrhizal symbiosis at the peri-arbuscular membrane. Nature Communications, 2018, 9, 4677.	5.8	45
12	Two of the three groEL homologues in Rhizobium leguminosarum are dispensable for normal growth. Archives of Microbiology, 2005, 183, 253-265.	1.0	44
13	Rhizobium leguminosarum contains multiple chaperonin (cpn60) genes. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	37
14	Deletion of Escherichia coli groEL is complemented by a Rhizobium leguminosarum groEL homologue at 37Â°C but not at 43Â°C. Gene, 1997, 194, 1-8.	1.0	36
15	A PSTOL-like gene, TaPSTOL, controls a number of agronomically important traits in wheat. BMC Plant Biology, 2018, 18, 115.	1.6	36
16	Food processing and breeding strategies for coeliac-safe and healthy wheat products. Food Research International, 2018, 110, 11-21.	2.9	35
17	Copy number variation of TdDof controls solid-stemmed architecture in wheat. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28708-28718.	3.3	33
18	Increase in lysophosphatidate acyltransferase activity in oilseed rape (Brassica napus) increases seed triacylglycerol content despite its low intrinsic flux control coefficient. New Phytologist, 2019, 224, 700-711.	3.5	17

#	Article	IF	Citations
19	Identification of genes involved in male sterility in wheat (Triticum aestivum ÂL.) which could be used in a genic hybrid breeding system. Plant Direct, 2020, 4, e00201.	0.8	13
20	Yr36 Confers Partial Resistance at Temperatures Below 18Â°C to U.K. Isolates of Puccinia striiformis. Phytopathology, 2014, 104, 871-878.	1.1	11
21	An arginine residue (arg101), which is conserved in many GroEL homologues, is required for interactions between the two heptameric rings 1 1Edited by A. R. Fersht. Journal of Molecular Biology, 1998, 282, 789-800.	2.0	6