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	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
2	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
3	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
4	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
5	The negative regulator SMAX1 controls mycorrhizal symbiosis and strigolactone biosynthesis in rice. Nature Communications, 2020, 11, 2114.	5.8	101
6	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
7	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
8	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
9	Food processing and breeding strategies for coeliac-safe and healthy wheat products. Food Research International, 2018, 110, 11-21.	2.9	35
10	A rice Serine/Threonine receptor-like kinase regulates arbuscular mycorrhizal symbiosis at the peri-arbuscular membrane. Nature Communications, 2018, 9, 4677.	5.8	45
11	Efficient generation of stable, heritable gene edits in wheat using CRISPR/Cas9. BMC Plant Biology, 2018, 18, 215.	1.6	75
12	A PSTOL-like gene, TaPSTOL, controls a number of agronomically important traits in wheat. BMC Plant Biology, 2018, 18, 115.	1.6	36
13	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
14	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
15	Arabidopsis <scp>EF</scp>â€Tu receptor enhances bacterial disease resistance in transgenic wheat. New Phytologist, 2015, 206, 606-613.	3.5	150
16	Yr36 Confers Partial Resistance at Temperatures Below 18Â°C to U.K. Isolates of Puccinia striiformis. Phytopathology, 2014, 104, 871-878.	1.1	11
17	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
18	Two of the three groEL homologues in Rhizobium leguminosarum are dispensable for normal growth. Archives of Microbiology, 2005, 183, 253-265.	1.0	44

#	Article	IF	Citations
19	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
20	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
21	Rhizobium leguminosarum contains multiple chaperonin (cpn60) genes. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.7	37