Stephanie Bernard

List of Publications by Year
in descending order

20 papers	1,054 citations	759233 12 h-index	752698 20 g-index
23 all docs	23 docs citations	23 times ranked	1662 citing authors

#	Article	IF	Citations
1	The genetics of nitrogen use in hexaploid wheat: N utilisation, development and yield. Theoretical and Applied Genetics, 2007, 114, 403-419.	3.6	215
2	Calcium-Mediated Abiotic Stress Signaling in Roots. Frontiers in Plant Science, 2016, 7, 1296.	3.6	151
3	Salinity-Induced Calcium Signaling and Root Adaptation in Arabidopsis Require the Calcium Regulatory Protein Annexin1 Â Â. Plant Physiology, 2013, 163, 253-262.	4.8	132
4	Annexin 1 regulates the <scp>H</scp>₂<scp>O</scp>₂â€induced calcium signature in <i><scp>A</scp>rabidopsis thaliana</i> roots. Plant Journal, 2014, 77, 136-145.	5.7	109
5	A Roadmap for Lowering Crop Nitrogen Requirement. Trends in Plant Science, 2019, 24, 892-904.	8.8	89
6	Impairment in karrikin but not strigolactone sensing enhances root skewing in <i>Arabidopsis thaliana</i>. Plant Journal, 2019, 98, 607-621.	5.7	69
7	Redox regulation of peroxiredoxin and proteinases by ascorbate and thiols during pea root nodule senescence. FEBS Letters, 2006, 580, 1269-1276.	2.8	60
8	The roles of redox processes in pea nodule development and senescence. Plant, Cell and Environment, 2005, 28, 1293-1304.	5.7	58
9	Phosphate Starvation Alters Abiotic-Stress-Induced Cytosolic Free Calcium Increases in Roots. Plant Physiology, 2019, 179, 1754-1767.	4.8	43
10	Gene expression profiling: opening the black box of plant ecosystem responses to global change. Global Change Biology, 2009, 15, 1201-1213.	9.5	35
11	Common Components of the Strigolactone and Karrikin Signaling Pathways Suppress Root Branching in Arabidopsis. Plant Physiology, 2020, 184, 18-22.	4.8	19
12	Variation for Nitrogen Use Efficiency Traits in Wheat Under Contrasting Nitrogen Treatments in South-Eastern Europe. Frontiers in Plant Science, 2021, 12, 682333.	3.6	14
13	Trade-offs in the genetic control of functional and nutritional quality traits in UK winter wheat. Heredity, 2022, 128, 420-433.	2.6	13
14	Defining the physiological determinants of low nitrogen requirement in wheat. Biochemical Society Transactions, 2021, 49, 609-616.	3.4	9
15	Phytohormones Interplay: Karrikin Signalling Promotes Ethylene Synthesis to Modulate Roots. Trends in Plant Science, 2021, 26, 308-311.	8.8	8
16	Wheat root length and not branching is altered in the presence of neighbours, including blackgrass. PLoS ONE, 2017, 12, e0178176.	2.5	7
17	GWAS identifies genetic loci underlying nitrogen responsiveness in the climate resilient C4 model Setaria italica (L.). Journal of Advanced Research, 2022, 42, 249-261.	9.5	6
18	Annual grassland resource pools and fluxes: sensitivity to precipitation and dry periods on two contrasting soils. Ecosphere, 2012, 3, art70-art70.	2.2	5

#	Article	IF	Citations
19	Over-expression of TaDWF4 increases wheat productivity under low and sufficient nitrogen through enhanced carbon assimilation. Communications Biology, 2022, 5, 193.	4.4	5
20	Phosphate Deprivation Can Impair Mechano-Stimulated Cytosolic Free Calcium Elevation in Arabidopsis Roots. Plants, 2020, 9, 1205.	3.5	3