

# Neil S Graham

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

5,508  
citations

159585

30  
h-index

189892

50  
g-index

52  
all docs

52  
docs citations

52  
times ranked

7136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnesium and calcium overaccumulate in the leaves of a <i>schengen3</i> mutant of <i>Brassica rapa</i> . <i>Plant Physiology</i> , 2021, 186, 1616-1631.	4.8	11
2	Magnesium biofortification of Italian ryegrass ( <i>Lolium multiflorum</i> L.) via agronomy and breeding as a potential way to reduce grass tetany in grazing ruminants. <i>Plant and Soil</i> , 2020, 457, 25-41.	3.7	11
3	Overexpression of the MYB29 transcription factor affects aliphatic glucosinolate synthesis in <i>Brassica oleracea</i> . <i>Plant Molecular Biology</i> , 2019, 101, 65-79.	3.9	28
4	Effects of green seaweed extract on <i>Arabidopsis</i> early development suggest roles for hormone signalling in plant responses to algal fertilisers. <i>Scientific Reports</i> , 2019, 9, 1983.	3.3	49
5	Infestation by <i>Myzus persicae</i> Increases Susceptibility of <i>Brassica napus</i> cv. 'Canard' to <i>Rhizoctonia solani</i> AG 2-1. <i>Frontiers in Plant Science</i> , 2018, 9, 1903.	3.6	2
6	Species-Wide Variation in Shoot Nitrate Concentration, and Genetic Loci Controlling Nitrate, Phosphorus and Potassium Accumulation in <i>Brassica napus</i> L.. <i>Frontiers in Plant Science</i> , 2018, 9, 1487.	3.6	22
7	A PSTOL-like gene, TaPSTOL, controls a number of agronomically important traits in wheat. <i>BMC Plant Biology</i> , 2018, 18, 115.	3.6	36
8	Physiological profile of CAX1a TILLING mutants of <i>Brassica rapa</i> exposed to different calcium doses. <i>Plant Science</i> , 2018, 272, 164-172.	3.6	11
9	Development of high-throughput methods to screen disease caused by <i>Rhizoctonia solani</i> AG 2-1 in oilseed rape. <i>Plant Methods</i> , 2017, 13, 45.	4.3	19
10	Identification of Candidate Genes for Calcium and Magnesium Accumulation in <i>Brassica napus</i> L. by Association Genetics. <i>Frontiers in Plant Science</i> , 2017, 8, 1968.	3.6	39
11	A Cross-Species Gene Expression Marker-Based Genetic Map and QTL Analysis in Bambara Groundnut. <i>Genes</i> , 2017, 8, 84.	2.4	19
12	Accelerating root system phenotyping of seedlings through a computer-assisted processing pipeline. <i>Plant Methods</i> , 2017, 13, 57.	4.3	11
13	Root morphology and seed and leaf ionomic traits in a <i>Brassica napus</i> L. diversity panel show wide phenotypic variation and are characteristic of crop habit. <i>BMC Plant Biology</i> , 2016, 16, 214.	3.6	88
14	QTL meta-analysis of root traits in <i>Brassica napus</i> under contrasting phosphorus supply in two growth systems. <i>Scientific Reports</i> , 2016, 6, 33113.	3.3	55
15	High-throughput phenotyping (HTP) identifies seedling root traits linked to variation in seed yield and nutrient capture in field-grown oilseed rape ( <i>Brassica napus</i> L.). <i>Annals of Botany</i> , 2016, 118, 655-665.	2.9	78
16	Antioxidant response and carboxylate metabolism in <i>Brassica rapa</i> exposed to different external Zn, Ca, and Mg supply. <i>Journal of Plant Physiology</i> , 2015, 176, 16-24.	3.5	48
17	Genetical and Comparative Genomics of <i>Brassica</i> under Altered Ca Supply Identifies <i>Arabidopsis</i> Ca-Transporter Orthologs. <i>Plant Cell</i> , 2014, 26, 2818-2830.	6.6	40
18	Cold-Induced Changes in Gene Expression in Brown Adipose Tissue, White Adipose Tissue and Liver. <i>PLoS ONE</i> , 2013, 8, e68933.	2.5	57

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19	Tackling Drought Stress: RECEPTOR-LIKE KINASES Present New Approaches. <i>Plant Cell</i> , 2012, 24, 2262-2278.	6.6	155
20	High-Resolution Mapping of a Fruit Firmness-Related Quantitative Trait Locus in Tomato Reveals Epistatic Interactions Associated with a Complex Combinatorial Locus. <i>Plant Physiology</i> , 2012, 159, 1644-1657.	4.8	83
21	Adenosine Methylation in Arabidopsis mRNA is Associated with the 3' End and Reduced Levels Cause Developmental Defects. <i>Frontiers in Plant Science</i> , 2012, 3, 48.	3.6	213
22	Distribution of calcium (Ca) and magnesium (Mg) in the leaves of <i>Brassica rapa</i> under varying exogenous Ca and Mg supply. <i>Annals of Botany</i> , 2012, 109, 1081-1089.	2.9	43
23	Analysis of ripening-related gene expression in papaya using an Arabidopsis-based microarray. <i>BMC Plant Biology</i> , 2012, 12, 242.	3.6	41
24	A Role for Nonsense-Mediated mRNA Decay in Plants: Pathogen Responses Are Induced in Arabidopsis thaliana NMD Mutants. <i>PLoS ONE</i> , 2012, 7, e31917.	2.5	114
25	High Resolution Melt (HRM) analysis is an efficient tool to genotype EMS mutants in complex crop genomes. <i>Plant Methods</i> , 2011, 7, 43.	4.3	79
26	Use of the Affymetrix Human GeneChip array and genomic DNA hybridisation probe selection to study ovine transcriptomes. <i>Animal</i> , 2011, 5, 861-866.	3.3	11
27	Agronomic and molecular analysis of heterosis in alfalfa. <i>Plant Genetic Resources: Characterisation and Utilisation</i> , 2011, 9, 288-290.	0.8	3
28	Regulatory Hotspots Are Associated with Plant Gene Expression under Varying Soil Phosphorus Supply in <i>Brassica rapa</i> . <i>Plant Physiology</i> , 2011, 156, 1230-1241.	4.8	60
29	<i>Medicago truncatula</i> CYP716A12 Is a Multifunctional Oxidase Involved in the Biosynthesis of Hemolytic Saponins. <i>Plant Cell</i> , 2011, 23, 3070-3081.	6.6	190
30	Tandem Quadruplication of HMA4 in the Zinc (Zn) and Cadmium (Cd) Hyperaccumulator <i>Noccaea caerulescens</i> . <i>PLoS ONE</i> , 2011, 6, e17814.	2.5	112
31	Differential Yeast Gene Transcription during Brewery Propagation. <i>Journal of the American Society of Brewing Chemists</i> , 2010, 68, 21-29.	1.1	6
32	Equine transcriptome quantification using human GeneChip arrays can be improved using genomic DNA hybridisation and probe selection. <i>Veterinary Journal</i> , 2010, 186, 323-327.	1.7	5
33	A Brassica Exon Array for Whole-Transcript Gene Expression Profiling. <i>PLoS ONE</i> , 2010, 5, e12812.	2.5	27
34	Cytokinin Regulation of Auxin Synthesis in <i>Arabidopsis</i> Involves a Homeostatic Feedback Loop Regulated via Auxin and Cytokinin Signal Transduction. <i>Plant Cell</i> , 2010, 22, 2956-2969.	6.6	247
35	On the causes of outliers in Affymetrix GeneChip data. <i>Briefings in Functional Genomics &amp; Proteomics</i> , 2009, 8, 199-212.	3.8	24
36	Heterologous oligonucleotide microarrays for transcriptomics in a non-model species; a proof-of-concept study of drought stress in <i>Musa</i> . <i>BMC Genomics</i> , 2009, 10, 436.	2.8	56

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37	Low-intensity microwave irradiation does not substantially alter gene expression in late larval and adult <i>Caenorhabditis elegans</i> . <i>Bioelectromagnetics</i> , 2009, 30, 602-612.	1.6	12
38	Effect of tomato pleiotropic ripening mutations on flavour volatile biosynthesis. <i>Phytochemistry</i> , 2009, 70, 1003-1008.	2.9	42
39	Amino Acid Uptake and Yeast Gene Transcription during Industrial Brewery Fermentation. <i>Journal of the American Society of Brewing Chemists</i> , 2009, 67, 157-165.	1.1	27
40	Carbohydrate utilization and the lager yeast transcriptome during brewery fermentation. <i>Yeast</i> , 2008, 25, 549-562.	1.7	40
41	Evidence of neutral transcriptome evolution in plants. <i>New Phytologist</i> , 2008, 180, 587-593.	7.3	30
42	The oxidative stress response of a lager brewing yeast strain during industrial propagation and fermentation. <i>FEMS Yeast Research</i> , 2008, 8, 574-585.	2.3	55
43	The auxin influx carrier LAX3 promotes lateral root emergence. <i>Nature Cell Biology</i> , 2008, 10, 946-954.	10.3	715
44	Cytokinins Act Directly on Lateral Root Founder Cells to Inhibit Root Initiation. <i>Plant Cell</i> , 2008, 19, 3889-3900.	6.6	498
45	Optimising the analysis of transcript data using high density oligonucleotide arrays and genomic DNA-based probe selection. <i>BMC Genomics</i> , 2007, 8, 344.	2.8	11
46	Dissecting Arabidopsis lateral root development. <i>Trends in Plant Science</i> , 2003, 8, 165-171.	8.8	618
47	Auxin cross-talk: integration of signalling pathways to control plant development. , 2002, 49, 411-426.		125
48	Auxin cross-talk: integration of signalling pathways to control plant development. <i>Plant Molecular Biology</i> , 2002, 49, 409-424.	3.9	170
49	Quick on the Uptake: Characterization of a Family of Plant Auxin Influx Carriers. <i>Journal of Plant Growth Regulation</i> , 2001, 20, 217-225.	5.1	101
50	Auxin Transport Promotes Arabidopsis Lateral Root Initiation. <i>Plant Cell</i> , 2001, 13, 843-852.	6.6	930
51	Cell marking in <i>Arabidopsis thaliana</i> and its application to patch-clamp studies. <i>Plant Journal</i> , 1998, 15, 843-851.	5.7	40