

# Patricia M Guimares

## List of Publications by Citations

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44  
papers

1,657  
citations

21  
h-index

40  
g-index

46  
ext. papers

2,097  
ext. citations

4.3  
avg, IF

3.87  
L-index

#	Paper	IF	Citations
44	The genome sequences of <i>Arachis duranensis</i> and <i>Arachis ipaensis</i> , the diploid ancestors of cultivated peanut. <i>Nature Genetics</i> , <b>2016</b> , 48, 438-46	36.3	498
43	An analysis of synteny of <i>Arachis</i> with <i>Lotus</i> and <i>Medicago</i> sheds new light on the structure, stability and evolution of legume genomes. <i>BMC Genomics</i> , <b>2009</b> , 10, 45	4.5	107
42	Identification of candidate genome regions controlling disease resistance in <i>Arachis</i> . <i>BMC Plant Biology</i> , <b>2009</b> , 9, 112	5.3	98
41	ESTs from a wild <i>Arachis</i> species for gene discovery and marker development. <i>BMC Plant Biology</i> , <b>2007</b> , 7, 7	5.3	97
40	A linkage map for the B-genome of <i>Arachis</i> (Fabaceae) and its synteny to the A-genome. <i>BMC Plant Biology</i> , <b>2009</b> , 9, 40	5.3	83
39	Global transcriptome analysis of two wild relatives of peanut under drought and fungi infection. <i>BMC Genomics</i> , <b>2012</b> , 13, 387	4.5	72
38	Reference genes for quantitative reverse transcription-polymerase chain reaction expression studies in wild and cultivated peanut. <i>BMC Research Notes</i> , <b>2011</b> , 4, 339	2.3	48
37	Transcriptome Profiling of Wild from Water-Limited Environments Uncovers Drought Tolerance Candidate Genes. <i>Plant Molecular Biology Reporter</i> , <b>2015</b> , 33, 1876-1892	1.7	45
36	The use of SNP markers for linkage mapping in diploid and tetraploid peanuts. <i>G3: Genes, Genomes, Genetics</i> , <b>2014</b> , 4, 89-96	3.2	44
35	Root Transcriptome Analysis of Wild Peanut Reveals Candidate Genes for Nematode Resistance. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140937	3.7	42
34	Matita, a new retroelement from peanut: characterization and evolutionary context in the light of the <i>Arachis</i> A-B genome divergence. <i>Molecular Genetics and Genomics</i> , <b>2012</b> , 287, 21-38	3.1	40
33	The effect of tetraploidization of wild <i>Arachis</i> on leaf morphology and other drought-related traits. <i>Environmental and Experimental Botany</i> , <b>2012</b> , 84, 17-24	5.9	40
32	Identification of QTLs for Rust Resistance in the Peanut Wild Species <i>Arachis magna</i> and the Development of KASP Markers for Marker-Assisted Selection. <i>G3: Genes, Genomes, Genetics</i> , <b>2015</b> , 5, 1403-13	3.2	38
31	<i>Arachis batizocoi</i> : a study of its relationship to cultivated peanut ( <i>A. hypogaea</i> ) and its potential for introgression of wild genes into the peanut crop using induced allotetraploids. <i>Annals of Botany</i> , <b>2015</b> , 115, 237-49	4.1	34
30	Genetic Mapping of Resistance to <i>Meloidogyne arenaria</i> in <i>Arachis stenosperma</i> : A New Source of Nematode Resistance for Peanut. <i>G3: Genes, Genomes, Genetics</i> , <b>2015</b> , 6, 377-90	3.2	32
29	A Study of Gene Expression in the Nematode Resistant Wild Peanut Relative, <i>Arachis stenosperma</i> , in Response to Challenge with <i>Meloidogyne arenaria</i> . <i>Tropical Plant Biology</i> , <b>2010</b> , 3, 183-192	1.6	28
28	Genome-wide analysis of expansin superfamily in wild <i>Arachis</i> discloses a stress-responsive expansin-like B gene. <i>Plant Molecular Biology</i> , <b>2017</b> , 94, 79-96	4.6	27

27	BAC libraries construction from the ancestral diploid genomes of the allotetraploid cultivated peanut. <i>BMC Plant Biology</i> , <b>2008</b> , 8, 14	5.3	26
26	The repetitive component of the A genome of peanut ( <i>Arachis hypogaea</i> ) and its role in remodelling intergenic sequence space since its evolutionary divergence from the B genome. <i>Annals of Botany</i> , <b>2013</b> , 112, 545-59	4.1	25
25	A survey of genes involved in <i>Arachis stenosperma</i> resistance to <i>Meloidogyne arenaria</i> race 1. <i>Functional Plant Biology</i> , <b>2013</b> , 40, 1298-1309	2.7	24
24	Phenotypic effects of allotetraploidization of wild and their implications for peanut domestication. <i>American Journal of Botany</i> , <b>2017</b> , 104, 379-388	2.7	23
23	Ultrastructure of the Initial Interaction of <i>Puccinia arachidis</i> and <i>Cercosporidium personatum</i> with Leaves of <i>Arachis hypogaea</i> and <i>Arachis stenosperma</i> . <i>Journal of Phytopathology</i> , <b>2010</b> , 158, 792-796	1.8	20
22	Development of a PCR test for the detection of <i>Curtobacterium flaccumfaciens</i> pv. <i>flaccumfaciens</i> . <i>Antonie Van Leeuwenhoek</i> , <b>2001</b> , 80, 1-10	2.1	20
21	Ex vitro hairy root induction in detached peanut leaves for plant-nematode interaction studies. <i>Plant Methods</i> , <b>2017</b> , 13, 25	5.8	19
20	Comparative root transcriptome of wild <i>Arachis</i> reveals NBS-LRR genes related to nematode resistance. <i>BMC Plant Biology</i> , <b>2018</b> , 18, 159	5.3	17
19	Comparative proteomics and gene expression analysis in <i>Arachis duranensis</i> reveal stress response proteins associated to drought tolerance. <i>Journal of Proteomics</i> , <b>2019</b> , 192, 299-310	3.9	17
18	Segmental allopolyploidy in action: Increasing diversity through polyploid hybridization and homoeologous recombination. <i>American Journal of Botany</i> , <b>2018</b> , 105, 1053-1066	2.7	16
17	Early responses to dehydration in contrasting wild <i>Arachis</i> species. <i>PLoS ONE</i> , <b>2018</b> , 13, e0198191	3.7	13
16	Contrasting Effects of Wild Dehydrin Under Abiotic and Biotic Stresses. <i>Frontiers in Plant Science</i> , <b>2019</b> , 10, 497	6.2	12
15	Characterization of raffinose metabolism genes uncovers a wild <i>Arachis</i> galactinol synthase conferring tolerance to abiotic stresses. <i>Scientific Reports</i> , <b>2020</b> , 10, 15258	4.9	9
14	Comparative Genomics Reveals Novel Target Genes towards Specific Control of Plant-Parasitic Nematodes. <i>Genes</i> , <b>2020</b> , 11,	4.2	9
13	The genome structure of ( <i>Linnaeus</i> , 1753) and an induced allotetraploid revealed by molecular cytogenetics. <i>Comparative Cytogenetics</i> , <b>2018</b> , 12, 111-140	1	8
12	Proteomics unravels new candidate genes for <i>Meloidogyne</i> resistance in wild <i>Arachis</i> . <i>Journal of Proteomics</i> , <b>2020</b> , 217, 103690	3.9	6
11	Evolutionarily conserved plant genes responsive to root-knot nematodes identified by comparative genomics. <i>Molecular Genetics and Genomics</i> , <b>2020</b> , 295, 1063-1078	3.1	4
10	Functional Genomics in Peanut Wild Relatives. <i>Compendium of Plant Genomes</i> , <b>2017</b> , 149-164	0.8	4

9	Overexpression of Wild Arachis Lipocalin Enhances Root-Knot Nematode Resistance in Peanut Hairy Roots. <i>Plant Molecular Biology Reporter</i> , <b>2019</b> , 37, 74-86	1.7	3
8	Transgenic tobacco plants expressing Tarin 1 inhibit the growth of <i>Pseudomonas syringae</i> pv. tomato and the development of <i>Spodoptera frugiperda</i> . <i>Annals of Applied Biology</i> , <b>2003</b> , 143, 349-357	2.6	3
7	Defining the combined stress response in wild Arachis. <i>Scientific Reports</i> , <b>2021</b> , 11, 11097	4.9	3
6	Presence of resveratrol in wild Arachis species adds new value to this overlooked genetic resource. <i>Scientific Reports</i> , <b>2020</b> , 10, 12787	4.9	1
5	Overexpression of DUF538 from Wild Arachis Enhances Plant Resistance to <i>Meloidogyne</i> spp.. <i>Agronomy</i> , <b>2021</b> , 11, 559	3.6	1
4	Ectopic expression of an expansin-like B gene from wild Arachis enhances tolerance to both abiotic and biotic stresses. <i>Plant Journal</i> , <b>2021</b> , 107, 1681-1696	6.9	1
3	Brazilian Kayabi Indian accessions of peanut, <i>Arachis hypogaea</i> (Fabales, Fabaceae): origin, diversity and evolution. <i>Genetics and Molecular Biology</i> , <b>2020</b> , 43, e20190418	2	0
2	Curtobacterium <b>2017</b> , 1-16		
1	Curtobacterium <b>2015</b> , 1-14		