

# Peter M Rogowsky

## List of Publications by Citations

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46  
papers

2,105  
citations

25  
h-index

45  
g-index

48  
ext. papers

2,563  
ext. citations

7.1  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
46	Seed filling in domesticated maize and rice depends on SWEET-mediated hexose transport. <i>Nature Genetics</i> , <b>2015</b> , 47, 1489-93	36.3	214
45	The tetracycline resistance determinants of RP1 and Tn1721: nucleotide sequence analysis. <i>Nucleic Acids Research</i> , <b>1983</b> , 11, 6089-105	20.1	177
44	ZmEsr, a novel endosperm-specific gene expressed in a restricted region around the maize embryo. <i>Plant Journal</i> , <b>1997</b> , 12, 235-46	6.9	152
43	Cloning and characterisation of a new rye-specific repeated sequence. <i>Genome</i> , <b>1991</b> , 34, 81-87	2.4	132
42	Activation of hsr203, a plant gene expressed during incompatible plant-pathogen interactions, is correlated with programmed cell death. <i>Molecular Plant-Microbe Interactions</i> , <b>1998</b> , 11, 544-54	3.6	126
41	Duplicate maize Wrinkled1 transcription factors activate target genes involved in seed oil biosynthesis. <i>Plant Physiology</i> , <b>2011</b> , 156, 674-86	6.6	123
40	Loss of pollen-specific phospholipase NOT LIKE DAD triggers gynogenesis in maize. <i>EMBO Journal</i> , <b>2017</b> , 36, 707-717	13	120
39	Overexpression of the epidermis-specific homeodomain-leucine zipper IV transcription factor Outer Cell Layer1 in maize identifies target genes involved in lipid metabolism and cuticle biosynthesis. <i>Plant Physiology</i> , <b>2010</b> , 154, 273-86	6.6	83
38	DNA sequences of and complementation by the tnpR genes of Tn21, Tn501 and Tn1721. <i>Molecular Genetics and Genomics</i> , <b>1983</b> , 191, 189-93		82
37	Expression patterns of genes encoding HD-ZipIV homeo domain proteins define specific domains in maize embryos and meristems. <i>Plant Journal</i> , <b>2000</b> , 22, 401-14	6.9	68
36	Signaling in Early Maize Kernel Development. <i>Molecular Plant</i> , <b>2017</b> , 10, 375-388	14.4	57
35	Esr genes show different levels of expression in the same region of maize endosperm. <i>Gene</i> , <b>2000</b> , 246, 219-27	3.8	52
34	Fertilization and early seed formation. <i>Comptes Rendus - Biologies</i> , <b>2008</b> , 331, 715-25	1.4	51
33	Esr proteins are secreted by the cells of the embryo surrounding region. <i>Journal of Experimental Botany</i> , <b>2002</b> , 53, 1559-68	7	47
32	Controlling lipid accumulation in cereal grains. <i>Plant Science</i> , <b>2012</b> , 185-186, 33-9	5.3	43
31	PPR8522 encodes a chloroplast-targeted pentatricopeptide repeat protein necessary for maize embryogenesis and vegetative development. <i>Journal of Experimental Botany</i> , <b>2012</b> , 63, 5843-57	7	42
30	Functional characterization of the HD-ZIP IV transcription factor OCL1 from maize. <i>Journal of Experimental Botany</i> , <b>2011</b> , 62, 293-305	7	35

29	Structural heterogeneity in the R173 family of rye-specific repetitive DNA sequences. <i>Plant Molecular Biology</i> , <b>1992</b> , 20, 95-102	4.6	35
28	The R173 family of rye-specific repetitive DNA sequences: a structural analysis. <i>Genome</i> , <b>1991</b> , 34, 88-95	2.4	34
27	Puzzling out plant reproduction by haploid induction for innovations in plant breeding. <i>Nature Plants</i> , <b>2020</b> , 6, 610-619	11.5	33
26	Fast virtual histology using X-ray in-line phase tomography: application to the 3D anatomy of maize developing seeds. <i>Plant Methods</i> , <b>2015</b> , 11, 55	5.8	33
25	Polymerase chain reaction based mapping of rye involving repeated DNA sequences. <i>Genome</i> , <b>1992</b> , 35, 621-6	2.4	32
24	ZmEBE genes show a novel, continuous expression pattern in the central cell before fertilization and in specific domains of the resulting endosperm after fertilization. <i>Plant Molecular Biology</i> , <b>2003</b> , 53, 821-36	4.6	31
23	Transcriptomics at Maize Embryo/Endosperm Interfaces Identifies a Transcriptionally Distinct Endosperm Subdomain Adjacent to the Embryo Scutellum. <i>Plant Cell</i> , <b>2020</b> , 32, 833-852	11.6	28
22	Novel phenotypes and developmental arrest in early embryo specific mutants of maize. <i>Planta</i> , <b>1999</b> , 210, 1-8	4.7	26
21	Single and multiple gene knockouts by CRISPR-Cas9 in maize. <i>Plant Cell Reports</i> , <b>2019</b> , 38, 487-501	5.1	25
20	A Welcome Proposal to Amend the GMO Legislation of the EU. <i>Trends in Biotechnology</i> , <b>2018</b> , 36, 1100-1103	1.3	25
19	ZmZHOUPI, an endosperm-specific basic helix-loop-helix transcription factor involved in maize seed development. <i>Plant Journal</i> , <b>2015</b> , 84, 574-86	6.9	23
18	Working with bacterial bioluminescence. <i>Plant Molecular Biology Reporter</i> , <b>1987</b> , 5, 225-236	1.7	23
17	Tn1721-encoded resolvase: structure of the tnpR gene and its in vitro functions. <i>Molecular Genetics and Genomics</i> , <b>1985</b> , 200, 176-81		22
16	Definition of three resolvase binding sites at the res loci of Tn21 and Tn1721. <i>EMBO Journal</i> , <b>1985</b> , 4, 2135-41	13	21
15	Role of B3 domain transcription factors of the AFL family in maize kernel filling. <i>Plant Science</i> , <b>2015</b> , 236, 116-25	5.3	19
14	Haploid induction in plants. <i>Current Biology</i> , <b>2017</b> , 27, R1095-R1097	6.3	15
13	Resolution of a hybrid cointegrate between transposons Tn501 and Tn1721 defines the recombination site. <i>Molecular Genetics and Genomics</i> , <b>1984</b> , 193, 162-6		15
12	Analysis of ZmAE3 upstream sequences in maize endosperm and androgenic embryos. <i>Sexual Plant Reproduction</i> , <b>2003</b> , 16, 1-8		11

11	Dual Regulation of Virulence Genes of Agrobacterium Plasmid pTiC58. <i>Current Plant Science and Biotechnology in Agriculture</i> , <b>1987</b> , 14-19		9
10	Characterization of GMO or glyphosate effects on the composition of maize grain and maize-based diet for rat feeding. <i>Metabolomics</i> , <b>2018</b> , 14, 36	4-7	8
9	On the transposition and evolution of Tn1721 and its relatives. <i>Basic Life Sciences</i> , <b>1985</b> , 30, 79-91		8
8	The GMO90+ Project: Absence of Evidence for Biologically Meaningful Effects of Genetically Modified Maize-based Diets on Wistar Rats After 6-Months Feeding Comparative Trial. <i>Toxicological Sciences</i> , <b>2019</b> , 168, 315-338	4-4	7
7	The Vpp1, Esr6a, Esr6b and OCL4 promoters are active in distinct domains of maize endosperm. <i>Plant Science</i> , <b>2010</b> , 179, 86-96	5-3	4
6	Lipid anchoring and electrostatic interactions target NOT-LIKE-DAD to pollen endo-plasma membrane. <i>Journal of Cell Biology</i> , <b>2021</b> , 220,	7-3	3
5	Rat feeding trials: A comprehensive assessment of contaminants in both genetically modified maize and resulting pellets. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 121, 573-582	4-7	3
4	Maize In Planta Haploid Inducer Lines: A Cornerstone for Doubled Haploid Technology. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2288, 25-48	1-4	3
3	CRISPR-Cas Technology in Plant Science. <i>Potato Research</i> , <b>2017</b> , 60, 353-360	3-2	2
2	Regulation of Genes Involved in T-DNA Processing: An Initial Step in the Genetic Modification of Plant Cells <b>1988</b> , 115-133		1
1	Lipid anchoring and electrostatic interactions target the phospholipase NOT-LIKE-DAD to pollen endo-plasma membrane		1