

# Peter M Rogowsky

## List of Publications by Year in descending order

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45  
papers

2,852  
citations

186265

28  
h-index

243625

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g-index

48  
all docs

48  
docs citations

48  
times ranked

3028  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seed filling in domesticated maize and rice depends on SWEET-mediated hexose transport. <i>Nature Genetics</i> , 2015, 47, 1489-1493.	21.4	360
2	The tetracycline resistance determinants of RP1 and Tn1721: nucleotide sequence analysis. <i>Nucleic Acids Research</i> , 1983, 11, 6089-6105.	14.5	202
3	Loss of pollen-specific phospholipase NOT LIKE DAD triggers gynogenesis in maize. <i>EMBO Journal</i> , 2017, 36, 707-717.	7.8	197
4	ZmEsr, a novel endosperm-specific gene expressed in a restricted region around the maize embryo. <i>Plant Journal</i> , 1997, 12, 235-246.	5.7	178
5	Duplicate Maize <i>Wrinkled1</i> Transcription Factors Activate Target Genes Involved in Seed Oil Biosynthesis. <i>Plant Physiology</i> , 2011, 156, 674-686.	4.8	168
6	Activation of hsr203, a Plant Gene Expressed During Incompatible Plant-Pathogen Interactions, Is Correlated with Programmed Cell Death. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 544-554.	2.6	145
7	Cloning and characterisation of a new rye-specific repeated sequence. <i>Genome</i> , 1991, 34, 81-87.	2.0	138
8	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> , 2010, 154, 273-286.	4.8	100
9	DNA sequences of and complementation by the tnpR genes of Tn21, Tn501 and Tn1721. <i>Molecular Genetics and Genomics</i> , 1983, 191, 189-193.	2.4	98
10	Expression patterns of genes encoding HD-ZipIV homeo domain proteins define specific domains in maize embryos and meristems. <i>Plant Journal</i> , 2000, 22, 401-414.	5.7	93
11	Puzzling out plant reproduction by haploid induction for innovations in plant breeding. <i>Nature Plants</i> , 2020, 6, 610-619.	9.3	85
12	Signaling in Early Maize Kernel Development. <i>Molecular Plant</i> , 2017, 10, 375-388.	8.3	83
13	Fertilization and early seed formation. <i>Comptes Rendus - Biologies</i> , 2008, 331, 715-725.	0.2	66
14	PPR8522 encodes a chloroplast-targeted pentatricopeptide repeat protein necessary for maize embryogenesis and vegetative development. <i>Journal of Experimental Botany</i> , 2012, 63, 5843-5857.	4.8	66
15	Transcriptomics at Maize Embryo/Endosperm Interfaces Identifies a Transcriptionally Distinct Endosperm Subdomain Adjacent to the Embryo Scutellum. <i>Plant Cell</i> , 2020, 32, 833-852.	6.6	60
16	Esr genes show different levels of expression in the same region of maize endosperm. <i>Gene</i> , 2000, 246, 219-227.	2.2	56
17	Single and multiple gene knockouts by CRISPR-Cas9 in maize. <i>Plant Cell Reports</i> , 2019, 38, 487-501.	5.6	54
18	Esr proteins are secreted by the cells of the embryo surrounding region. <i>Journal of Experimental Botany</i> , 2002, 53, 1559-1568.	4.8	53

#	ARTICLE	IF	CITATIONS
19	Controlling lipid accumulation in cereal grains. <i>Plant Science</i> , 2012, 185-186, 33-39.	3.6	51
20	Fast virtual histology using X-ray in-line phase tomography: application to the 3D anatomy of maize developing seeds. <i>Plant Methods</i> , 2015, 11, 55.	4.3	49
21	Zm<scp>ZHOUPI</scp>, an endospermâ€specific basic helixâ€loopâ€helix transcription factor involved in maize seed development. <i>Plant Journal</i> , 2015, 84, 574-586.	5.7	48
22	A Welcome Proposal to Amend the GMO Legislation of the EU. <i>Trends in Biotechnology</i> , 2018, 36, 1100-1103.	9.3	47
23	Functional characterization of the HD-ZIP IV transcription factor OCL1 from maize. <i>Journal of Experimental Botany</i> , 2011, 62, 293-305.	4.8	43
24	Structural heterogeneity in the R173 family of rye-specific repetitive DNA sequences. <i>Plant Molecular Biology</i> , 1992, 20, 95-102.	3.9	39
25	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> , 2003, 53, 821-836.	3.9	36
26	The R173 family of rye-specific repetitive DNA sequences: a structural analysis. <i>Genome</i> , 1991, 34, 88-95.	2.0	34
27	Polymerase chain reaction based mapping of rye involving repeated DNA sequences. <i>Genome</i> , 1992, 35, 621-626.	2.0	33
28	Novel phenotypes and developmental arrest in early embryo specific mutants of maize. <i>Planta</i> , 1999, 210, 1-8.	3.2	29
29	Role of B3 domain transcription factors of the AFL family in maize kernel filling. <i>Plant Science</i> , 2015, 236, 116-125.	3.6	28
30	Haploid induction in plants. <i>Current Biology</i> , 2017, 27, R1095-R1097.	3.9	28
31	Definition of three resolvase binding sites at the res loci of Tn21 and Tn1721. <i>EMBO Journal</i> , 1985, 4, 2135-41.	7.8	25
32	Tn1721-encoded resolvase: structure of the tnpR gene and its in vitro functions. <i>Molecular Genetics and Genomics</i> , 1985, 200, 176-181.	2.4	24
33	Working with bacterial bioluminescence. <i>Plant Molecular Biology Reporter</i> , 1987, 5, 225-236.	1.8	24
34	Resolution of a hybrid cointegrate between transposons Tn501 and Tn1721 defines the recombination site. <i>Molecular Genetics and Genomics</i> , 1984, 193, 162-166.	2.4	17
35	Lipid anchoring and electrostatic interactions target NOT-LIKE-DAD to pollen endo-plasma membrane. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	17
36	Analysis of ZmAE3 upstream sequences in maize endosperm and androgenic embryos. <i>Sexual Plant Reproduction</i> , 2003, 16, 1-8.	2.2	12

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37	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> , 2019, 168, 315-338.	3.1	12
38	Maize In Planta Haploid Inducer Lines: A Cornerstone for Doubled Haploid Technology. <i>Methods in Molecular Biology</i> , 2021, 2288, 25-48.	0.9	11
39	Characterization of GMO or glyphosate effects on the composition of maize grain and maize-based diet for rat feeding. <i>Metabolomics</i> , 2018, 14, 36.	3.0	9
40	On the Transposition and Evolution of Tn1721 and its Relatives. , 1985, 30, 79-91.		9
41	The Vpp1, Esr6a, Esr6b and OCL4 promoters are active in distinct domains of maize endosperm. <i>Plant Science</i> , 2010, 179, 86-96.	3.6	5
42	Rat feeding trials: A comprehensive assessment of contaminants in both genetically modified maize and resulting pellets. <i>Food and Chemical Toxicology</i> , 2018, 121, 573-582.	3.6	4
43	CRISPR-Cas Technology in Plant Science. <i>Potato Research</i> , 2017, 60, 353-360.	2.7	2
44	Regulation of Genes Involved in T-DNA Processing: An Initial Step in the Genetic Modification of Plant Cells. , 1988, , 115-133.		1
45	Putting the Function in Maize Genomics. <i>Plant Genome</i> , 2009, 2, .	2.8	1