

# Luca Comai

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154  
papers

15,297  
citations

58  
h-index

123  
g-index

165  
ext. papers

17,573  
ext. citations

8.3  
avg, IF

6.61  
L-index

#	Paper	IF	Citations
154	Salt stress responses and SNP-based phylogenetic analysis of Thai rice cultivars.. <i>Plant Genome</i> , <b>2022</b> , e20189	4.4	0
153	Identification of Key Genes in 'Luang Pratahn', Thai Salt-Tolerant Rice, Based on Time-Course Data and Weighted Co-expression Networks.. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 744654	6.2	0
152	Epigenetically mismatched parental centromeres trigger genome elimination in hybrids. <i>Science Advances</i> , <b>2021</b> , 7, eabk1151	14.3	2
151	Mutation of the imprinted gene OsEMF2a induces autonomous endosperm development and delayed cellularization in rice. <i>Plant Cell</i> , <b>2021</b> , 33, 85-103	11.6	9
150	A systems genetics approach to deciphering the effect of dosage variation on leaf morphology in Populus. <i>Plant Cell</i> , <b>2021</b> , 33, 940-960	11.6	4
149	Rare instances of haploid inducer DNA in potato dihaploids and ploidy-dependent genome instability. <i>Plant Cell</i> , <b>2021</b> , 33, 2149-2163	11.6	3
148	A TILLING by sequencing approach to identify induced mutations in sunflower genes. <i>Scientific Reports</i> , <b>2021</b> , 11, 9885	4.9	2
147	PL-4 (CIP596131.4): an Improved Potato Haploid Inducer. <i>American Journal of Potato Research</i> , <b>2021</b> , 98, 255-262	2.1	0
146	Efficient construction of a linkage map and haplotypes for <i>Mentha suaveolens</i> using sequence capture. <i>G3: Genes, Genomes, Genetics</i> , <b>2021</b> , 11,	3.2	1
145	Generation of camelina mid-oleic acid seed oil by identification and stacking of fatty acid biosynthetic mutants. <i>Industrial Crops and Products</i> , <b>2021</b> , 159, 113074	5.9	2
144	Combining Genome and Gene Co-expression Network Analyses for the Identification of Genes Potentially Regulating Salt Tolerance in Rice. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 704549	6.2	0
143	Chromoanagenesis from radiation-induced genome damage in Populus. <i>PLoS Genetics</i> , <b>2021</b> , 17, e1009785		1
142	LD-CNV: rapid and simple discovery of chromosomal translocations using linkage disequilibrium between copy number variable loci. <i>Genetics</i> , <b>2021</b> , 219,	4	1
141	Diploid mint ( <i>M. longifolia</i> ) can produce spearmint type oil with a high yield potential. <i>Scientific Reports</i> , <b>2021</b> , 11, 23521	4.9	0
140	A variety of changes, including CRISPR/Cas9-mediated deletions, in CENH3 lead to haploid induction on outcrossing. <i>Plant Biotechnology Journal</i> , <b>2020</b> , 18, 2068	11.6	31
139	The persimmon genome reveals clues to the evolution of a lineage-specific sex determination system in plants. <i>PLoS Genetics</i> , <b>2020</b> , 16, e1008566	6	23
138	Unequal contribution of two paralogous CENH3 variants in cowpea centromere function. <i>Communications Biology</i> , <b>2020</b> , 3, 775	6.7	7

137	Genetic variation and temperature affects hybrid barriers during interspecific hybridization. <i>Plant Journal</i> , <b>2020</b> , 101, 122-140	6.9	4
136	Genomic Outcomes of Haploid Induction Crosses in Potato (L.). <i>Genetics</i> , <b>2020</b> , 214, 369-380	4	9
135	Drought-Tolerance Gene Identification Using Genome Comparison and Co-Expression Network Analysis of Chromosome Substitution Lines in Rice. <i>Genes</i> , <b>2020</b> , 11,	4.2	2
134	Genome-wide association study for salinity tolerance at the flowering stage in a panel of rice accessions from Thailand. <i>BMC Genomics</i> , <b>2019</b> , 20, 76	4.5	39
133	A comprehensive genomic scan reveals gene dosage balance impacts on quantitative traits in trees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 13690-13699	11.5	14
132	Regeneration of Plants from Protoplasts Induces Widespread Genome Instability. <i>Plant Physiology</i> , <b>2019</b> , 180, 78-86	6.6	44
131	Haploid Induction and Genome Instability. <i>Trends in Genetics</i> , <b>2019</b> , 35, 791-803	8.5	14
130	Comparative Genomic Analysis of Rice with Contrasting Photosynthesis and Grain Production under Salt Stress. <i>Genes</i> , <b>2019</b> , 10,	4.2	8
129	One Hundred Ways to Invent the Sexes: Theoretical and Observed Paths to Dioecy in Plants. <i>Annual Review of Plant Biology</i> , <b>2018</b> , 69, 553-575	30.7	46
128	Detection of Chromothripsis in Plants. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1769, 119-132	1.4	6
127	Photosynthetic responses and identification of salt tolerance genes in a chromosome segment substitution line of 'Khao dawk Mali 105' rice. <i>Environmental and Experimental Botany</i> , <b>2018</b> , 155, 497-508	5.9	8
126	Rice Overexpressing Reveals Differential Gene Expression Leading to Yield Loss Reduction after Salt Stress at the Booting Stage. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	7
125	Downstream components of the calmodulin signaling pathway in the rice salt stress response revealed by transcriptome profiling and target identification. <i>BMC Plant Biology</i> , <b>2018</b> , 18, 335	5.3	36
124	The taming of the shrub. <i>Nature Plants</i> , <b>2018</b> , 4, 742-743	11.5	2
123	Data in support of photosynthetic responses in a chromosome segment substitution line of 'Khao Dawk Mali 105' rice at seedling stage. <i>Data in Brief</i> , <b>2018</b> , 21, 307-312	1.2	3
122	Centromere location in is unaltered by extreme divergence in CENH3 protein sequence. <i>Genome Research</i> , <b>2017</b> , 27, 471-478	9.7	35
121	Plant centromeres. <i>Current Opinion in Plant Biology</i> , <b>2017</b> , 36, 158-167	9.9	31
120	Determining Mutation Density Using Restriction Enzyme Sequence Comparative Analysis (RESCAN) <b>2017</b> , 305-321		

119	Next-Generation Sequencing for Targeted Discovery of Rare Mutations in Rice <b>2017</b> , 323-340		3
118	OsNucleolin1-L Expression in Arabidopsis Enhances Photosynthesis via Transcriptome Modification under Salt Stress Conditions. <i>Plant and Cell Physiology</i> , <b>2017</b> , 58, 717-734	4.9	10
117	Significant enhancement of fatty acid composition in seeds of the allohexaploid, <i>Camelina sativa</i> , using CRISPR/Cas9 gene editing. <i>Plant Biotechnology Journal</i> , <b>2017</b> , 15, 648-657	11.6	205
116	Functional polymorphism in lycopene beta-cyclase gene as a molecular marker to predict bixin production in <i>Bixa orellana</i> L. (achiote). <i>Molecular Breeding</i> , <b>2016</b> , 36, 1	3.4	9
115	Rapid identification of lettuce seed germination mutants by bulked segregant analysis and whole genome sequencing. <i>Plant Journal</i> , <b>2016</b> , 88, 345-360	6.9	25
114	Creation and Genomic Analysis of Irradiation Hybrids in <i>Populus</i> . <i>Current Protocols in Plant Biology</i> , <b>2016</b> , 1, 431-450	2.8	4
113	Chromosome Dosage Analysis in Plants Using Whole Genome Sequencing. <i>Bio-protocol</i> , <b>2016</b> , 6,	0.9	7
112	Epigenetic Regulation of the Sex Determination Gene MeGI in Polyploid Persimmon. <i>Plant Cell</i> , <b>2016</b> , 28, 2905-2915	11.6	55
111	Naturally occurring differences in CENH3 affect chromosome segregation in zygotic mitosis of hybrids. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1004970	6	103
110	A System for Dosage-Based Functional Genomics in Poplar. <i>Plant Cell</i> , <b>2015</b> , 27, 2370-83	11.6	47
109	De novo transcriptome sequencing in <i>Bixa orellana</i> to identify genes involved in methylerythritol phosphate, carotenoid and bixin biosynthesis. <i>BMC Genomics</i> , <b>2015</b> , 16, 877	4.5	31
108	Perturbation of parentally biased gene expression during interspecific hybridization. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117293	3.7	21
107	Point Mutations in Centromeric Histone Induce Post-zygotic Incompatibility and Uniparental Inheritance. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005494	6	53
106	High-Throughput Analysis of T-DNA Location and Structure Using Sequence Capture. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139672	3.7	21
105	Catastrophic chromosomal restructuring during genome elimination in plants. <i>ELife</i> , <b>2015</b> , 4,	8.9	67
104	Tilling by sequencing. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1284, 359-80	1.4	4
103	Plant genetics. A Y-chromosome-encoded small RNA acts as a sex determinant in persimmons. <i>Science</i> , <b>2014</b> , 346, 646-50	33.3	240
102	A haploid genetics toolbox for <i>Arabidopsis thaliana</i> . <i>Nature Communications</i> , <b>2014</b> , 5, 5334	17.4	67

101	Molecular Karyotyping and Exome Analysis of Salt-Tolerant Rice Mutant from Somaclonal Variation. <i>Plant Genome</i> , <b>2014</b> , 7, plantgenome2014.04.0016	4.4	9
100	Distinct roles for mitogen-activated protein kinase signaling and CALMODULIN-BINDING TRANSCRIPTIONAL ACTIVATOR3 in regulating the peak time and amplitude of the plant general stress response. <i>Plant Physiology</i> , <b>2014</b> , 166, 988-96	6.6	28
99	Genome elimination: translating basic research into a future tool for plant breeding. <i>PLoS Biology</i> , <b>2014</b> , 12, e1001876	9.7	16
98	The BOY NAMED SUE quantitative trait locus confers increased meiotic stability to an adapted natural allopolyploid of Arabidopsis. <i>Plant Cell</i> , <b>2014</b> , 26, 181-94	11.6	54
97	Efficient Genome-Wide Detection and Cataloging of EMS-Induced Mutations Using Exome Capture and Next-Generation Sequencing. <i>Plant Cell</i> , <b>2014</b> , 26, 1382-1397	11.6	173
96	The passionate life of Simon Chan. <i>Genome Biology</i> , <b>2013</b> , 14, 103	18.3	
95	TILLING and ecotilling for rice. <i>Methods in Molecular Biology</i> , <b>2013</b> , 956, 39-56	1.4	14
94	Early disruption of maternal-zygotic interaction and activation of defense-like responses in Arabidopsis interspecific crosses. <i>Plant Cell</i> , <b>2013</b> , 25, 2037-55	11.6	29
93	Production of a high-efficiency TILLING population through polyploidization. <i>Plant Physiology</i> , <b>2013</b> , 161, 1604-14	6.6	40
92	Mutant Resources for Functional Analysis of the Rice Genome <b>2013</b> , 81-115		6
91	Rapid creation of Arabidopsis doubled haploid lines for quantitative trait locus mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 4227-32	11.5	55
90	MicroRNAs: key gene regulators with versatile functions. <i>Plant Molecular Biology</i> , <b>2012</b> , 80, 1	4.6	14
89	Cis- and trans-regulatory divergence between progenitor species determines gene-expression novelty in Arabidopsis allopolyploids. <i>Nature Communications</i> , <b>2012</b> , 3, 950	17.4	119
88	Reference genome-independent assessment of mutation density using restriction enzyme-phased sequencing. <i>BMC Genomics</i> , <b>2012</b> , 13, 72	4.5	36
87	Hybrid incompatibility in Arabidopsis is determined by a multiple-locus genetic network. <i>Plant Physiology</i> , <b>2012</b> , 158, 801-12	6.6	31
86	Global analysis of the small RNA transcriptome in different ploidies and genomic combinations of a vertebrate complex—the <i>Squalius alburnoides</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e41158	3.7	17
85	POPE: Pipeline of Parentally-Biased Expression. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 177-188	0.9	2
84	Statistical mutation calling from sequenced overlapping DNA pools in TILLING experiments. <i>BMC Bioinformatics</i> , <b>2011</b> , 12, 287	3.6	31

83	Discovery of rare mutations in populations: TILLING by sequencing. <i>Plant Physiology</i> , <b>2011</b> , 156, 1257-686.6	190
82	Differential sensitivity of the <i>Arabidopsis thaliana</i> transcriptome and enhancers to the effects of genome doubling. <i>New Phytologist</i> , <b>2010</b> , 186, 194-206	9.8 38
81	The rapidly evolving centromere-specific histone has stringent functional requirements in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , <b>2010</b> , 186, 461-71	4 80
80	Homoeolog-specific retention and use in allotetraploid <i>Arabidopsis suecica</i> depends on parent of origin and network partners. <i>Genome Biology</i> , <b>2010</b> , 11, R125	18.3 65
79	Phenotypic consequences of aneuploidy in <i>Arabidopsis thaliana</i> . <i>Genetics</i> , <b>2010</b> , 186, 1231-45	4 75
78	Polyploid genome of <i>Camelina sativa</i> revealed by isolation of fatty acid synthesis genes. <i>BMC Plant Biology</i> , <b>2010</b> , 10, 233	5.3 87
77	A modified TILLING approach to detect induced mutations in tetraploid and hexaploid wheat. <i>BMC Plant Biology</i> , <b>2009</b> , 9, 115	5.3 226
76	Dosage-dependent deregulation of an AGAMOUS-LIKE gene cluster contributes to interspecific incompatibility. <i>Current Biology</i> , <b>2009</b> , 19, 1128-32	6.3 102
75	Parental squabbles and genome expression: lessons from the polyploids. <i>Journal of Biology</i> , <b>2009</b> , 8, 43	13
74	TILLING to detect induced mutations in soybean. <i>BMC Plant Biology</i> , <b>2008</b> , 8, 9	5.3 207
73	The maternally expressed WRKY transcription factor TTG2 controls lethality in interploidy crosses of <i>Arabidopsis</i> . <i>PLoS Biology</i> , <b>2008</b> , 6, 2707-20	9.7 92
72	Transgene-induced gene silencing is not affected by a change in ploidy level. <i>PLoS ONE</i> , <b>2008</b> , 3, e3061	3.7 4
71	Discovery of chemically induced mutations in rice by TILLING. <i>BMC Plant Biology</i> , <b>2007</b> , 7, 19	5.3 312
70	Large-scale polymorphism of heterochromatic repeats in the DNA of <i>Arabidopsis thaliana</i> . <i>BMC Plant Biology</i> , <b>2007</b> , 7, 44	5.3 26
69	Genetic basis for dosage sensitivity in <i>Arabidopsis thaliana</i> . <i>PLoS Genetics</i> , <b>2007</b> , 3, e70	6 36
68	Tilling and Ecotilling for Crop Improvement <b>2007</b> , 333-349	17
67	Chemical- and Irradiation-Induced Mutants and TILLING <b>2007</b> , 148-180	9
66	Genomewide nonadditive gene regulation in <i>Arabidopsis</i> allotetraploids. <i>Genetics</i> , <b>2006</b> , 172, 507-17	4 447

65	High-throughput TILLING for Arabidopsis. <i>Methods in Molecular Biology</i> , <b>2006</b> , 323, 127-35	1.4	21
64	The Arabidopsis thaliana transcriptome in response to Agrobacterium tumefaciens. <i>Molecular Plant-Microbe Interactions</i> , <b>2006</b> , 19, 665-81	3.6	105
63	Parent-dependent loss of gene silencing during interspecies hybridization. <i>Current Biology</i> , <b>2006</b> , 16, 1322-8	6.3	228
62	High-throughput discovery of rare human nucleotide polymorphisms by Ecotilling. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, e99	20.1	45
61	TILLING: practical single-nucleotide mutation discovery. <i>Plant Journal</i> , <b>2006</b> , 45, 684-94	6.9	177
60	Molecular karyotyping and aneuploidy detection in Arabidopsis thaliana using quantitative fluorescent polymerase chain reaction. <i>Plant Journal</i> , <b>2006</b> , 48, 307-19	6.9	29
59	A protocol for TILLING and Ecotilling in plants and animals. <i>Nature Protocols</i> , <b>2006</b> , 1, 2465-77	18.8	172
58	A conserved and species-specific functional interaction between the Werner syndrome-like exonuclease atWEX and the Ku heterodimer in Arabidopsis. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 6861-7	20.1	19
57	Methods for genome-wide analysis of gene expression changes in polyploids. <i>Methods in Enzymology</i> , <b>2005</b> , 395, 570-96	1.7	13
56	Genomic changes in synthetic Arabidopsis polyploids. <i>Plant Journal</i> , <b>2005</b> , 41, 221-30	6.9	262
55	The plant cell defense and Agrobacterium tumefaciens. <i>FEMS Microbiology Letters</i> , <b>2005</b> , 247, 207-13	2.9	37
54	The advantages and disadvantages of being polyploid. <i>Nature Reviews Genetics</i> , <b>2005</b> , 6, 836-46	30.1	1398
53	Two callose synthases, GSL1 and GSL5, play an essential and redundant role in plant and pollen development and in fertility. <i>Plant Molecular Biology</i> , <b>2005</b> , 58, 333-49	4.6	139
52	Aneuploidy and genetic variation in the Arabidopsis thaliana triploid response. <i>Genetics</i> , <b>2005</b> , 170, 1979-88	11.6	114
51	A toxic mutator and selection alternative to the non-Mendelian RNA cache hypothesis for hothead reversion. <i>Plant Cell</i> , <b>2005</b> , 17, 2856-8	11.6	16
50	Genetic Basis for Dosage Sensitivity in A. thaliana. <i>PLoS Genetics</i> , <b>2005</b> , preprint, e70	6	
49	Mismatch cleavage by single-strand specific nucleases. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 2632-41	20.1	199
48	A differential dosage hypothesis for parental effects in seed development. <i>Plant Cell</i> , <b>2004</b> , 16, 3174-80	11.6	114

47	Chromosomal locus rearrangements are a rapid response to formation of the allotetraploid <i>Arabidopsis suecica</i> genome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 18240-5	11.5	225
46	Efficient discovery of DNA polymorphisms in natural populations by Ecotilling. <i>Plant Journal</i> , <b>2004</b> , 37, 778-86	6.9	370
45	The development of an <i>Arabidopsis</i> model system for genome-wide analysis of polyploidy effects. <i>Biological Journal of the Linnean Society</i> , <b>2004</b> , 82, 689-700	1.9	62
44	Discovery of induced point mutations in maize genes by TILLING. <i>BMC Plant Biology</i> , <b>2004</b> , 4, 12	5.3	282
43	Stochastic and epigenetic changes of gene expression in <i>Arabidopsis</i> polyploids. <i>Genetics</i> , <b>2004</b> , 167, 1961-73	4	296
42	Sensitivity of 70-mer oligonucleotides and cDNAs for microarray analysis of gene expression in <i>Arabidopsis</i> and its related species. <i>Plant Biotechnology Journal</i> , <b>2004</b> , 2, 45-57	11.6	53
41	The effect of stress on genome regulation and structure. <i>Annals of Botany</i> , <b>2004</b> , 94, 481-95	4.1	226
40	TILLING. Traditional mutagenesis meets functional genomics. <i>Plant Physiology</i> , <b>2004</b> , 135, 630-6	6.6	286
39	FISH analysis of meiosis in <i>Arabidopsis</i> allopolyploids. <i>Chromosome Research</i> , <b>2003</b> , 11, 217-26	4.4	70
38	Understanding mechanisms of novel gene expression in polyploids. <i>Trends in Genetics</i> , <b>2003</b> , 19, 141-7	8.5	684
37	Single-nucleotide mutations for plant functional genomics. <i>Annual Review of Plant Biology</i> , <b>2003</b> , 54, 375-401	30.7	207
36	High-throughput TILLING for functional genomics. <i>Methods in Molecular Biology</i> , <b>2003</b> , 236, 205-20	1.4	80
35	Do the different parental 'heteromes' cause genomic shock in newly formed allopolyploids?. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2003</b> , 358, 1149-55	5.8	111
34	Large-scale discovery of induced point mutations with high-throughput TILLING. <i>Genome Research</i> , <b>2003</b> , 13, 524-30	9.7	420
33	Spectrum of chemically induced mutations from a large-scale reverse-genetic screen in <i>Arabidopsis</i> . <i>Genetics</i> , <b>2003</b> , 164, 731-40	4	401
32	Remodeling of DNA methylation and phenotypic and transcriptional changes in synthetic <i>Arabidopsis</i> allotetraploids. <i>Plant Physiology</i> , <b>2002</b> , 129, 733-46	6.6	325
31	Centromeric localization and adaptive evolution of an <i>Arabidopsis</i> histone H3 variant. <i>Plant Cell</i> , <b>2002</b> , 14, 1053-66	11.6	319
30	High-throughput screening for induced point mutations. <i>Plant Physiology</i> , <b>2001</b> , 126, 480-4	6.6	434

29	Targeted screening for induced mutations. <i>Nature Biotechnology</i> , <b>2000</b> , 18, 455-7	44.5	571
28	Genetic and epigenetic interactions in allopolyploid plants. <i>Plant Molecular Biology</i> , <b>2000</b> , 43, 387-99	4.6	252
27	Phenotypic Instability and Rapid Gene Silencing in Newly Formed Arabidopsis Allotetraploids. <i>Plant Cell</i> , <b>2000</b> , 12, 1551	11.6	6
26	Targeting induced local lesions IN genomes (TILLING) for plant functional genomics. <i>Plant Physiology</i> , <b>2000</b> , 123, 439-42	6.6	684
25	Phenotypic instability and rapid gene silencing in newly formed arabidopsis allotetraploids. <i>Plant Cell</i> , <b>2000</b> , 12, 1551-68	11.6	459
24	Genetic and epigenetic interactions in allopolyploid plants <b>2000</b> , 267-279		3
23	VirE1 is a specific molecular chaperone for the exported single-stranded-DNA-binding protein VirE2 in Agrobacterium. <i>Molecular Microbiology</i> , <b>1999</b> , 31, 1795-807	4.1	75
22	Nuclear matrix attachment regions and plant gene expression. <i>Trends in Plant Science</i> , <b>1998</b> , 3, 91-97	13.1	66
21	Trans-sensing effects: the ups and downs of being together. <i>Cell</i> , <b>1998</b> , 93, 329-32	56.2	78
20	A DNA methyltransferase homolog with a chromodomain exists in multiple polymorphic forms in Arabidopsis. <i>Genetics</i> , <b>1998</b> , 149, 307-18	4	173
19	Variegation and silencing of the Heat Shock Cognate 80 gene are relieved by a bipartite downstream regulatory element. <i>Plant Journal</i> , <b>1996</b> , 9, 325-39	6.9	15
18	The heat shock cognate 80 gene of tomato is flanked by matrix attachment regions. <i>Plant Molecular Biology</i> , <b>1996</b> , 32, 959-68	4.6	27
17	Impact of plant genetic engineering on foods and nutrition. <i>Annual Review of Nutrition</i> , <b>1993</b> , 13, 191-215	9	13
16	Developmental expression of tomato heat-shock cognate protein 80. <i>Plant Physiology</i> , <b>1992</b> , 100, 801-11	16.6	58
15	Arrest of embryo development in Brassica napus mediated by modified Pseudomonas aeruginosa exotoxin A. <i>Plant Molecular Biology</i> , <b>1992</b> , 18, 247-58	4.6	27
14	Targeting of T7 RNA polymerase to tobacco nuclei mediated by an SV40 nuclear location signal. <i>Plant Molecular Biology</i> , <b>1991</b> , 17, 229-34	4.6	37
13	Novel and useful properties of a chimeric plant promoter combining CaMV 35S and MAS elements. <i>Plant Molecular Biology</i> , <b>1990</b> , 15, 373-81	4.6	155
12	Development of Glyphosate-Tolerant Populus Plants through Expression of a Mutant aroA Gene from Salmonella Typhimurium <b>1988</b> , 243-249		10

11	Efficient Transfer of a Glyphosate Tolerance Gene into Tomato Using a Binary Agrobacterium Tumefaciens Vector. <i>Nature Biotechnology</i> , <b>1987</b> , 5, 726-730	44.5	258
10	Agrobacterium mediated transformation and regeneration of Populus. <i>Molecular Genetics and Genomics</i> , <b>1987</b> , 206, 192-199		238
9	EXPRESSION IN PLANTS OF A BACTERIAL GENE CODING FOR GLYPHOSATE RESISTANCE <b>1985</b> , 329-338		
8	Impact of genetic engineering on crop protection. <i>Crop Protection</i> , <b>1984</b> , 3, 399-408	2.7	5
7	A new technique for genetic engineering of Agrobacterium Ti plasmid. <i>Plasmid</i> , <b>1983</b> , 10, 21-30	3.3	67
6	Unequal contribution of two paralogous centromeric histones to function the cowpea centromere		3
5	Rare instances of haploid inducer DNA in potato dihaploids and ploidy-dependent genome instability		1
4	Widespread genome instability in Solanum tuberosum plants regenerated from protoplasts		1
3	Translocation and duplication from CRISPR-Cas9 editing in Arabidopsis thaliana		4
2	LD-CNV: rapid and simple discovery of chromosomal translocations using linkage disequilibrium between copy number variable loci		1
1	Biased removal and loading of centromeric histone H3 during reproduction underlies uniparental genome elimination		1