Paul J Hooykaas

List of Publications by Year
in descending order

207 papers	16,660 citations	13865 67 h-index	16650 123 g-index
211 all docs	211 docs citations	211 times ranked	9322 citing authors

#	Article	IF	Citations
1	Gene targeting in polymerase thetaâ€deficient Arabidopsis thaliana. Plant Journal, 2022, 109, 112-125.	5.7	13
2	Characterization of the Agrobacterium octopine-cucumopine catabolic plasmid pAtAg67. Plasmid, 2022, 121, 102629.	1.4	3
3	Distinct mechanisms for genomic attachment of the 5â€² and 3â€² ends of Agrobacterium T-DNA in plants. Nature Plants, 2022, 8, 526-534.	9.3	17
4	The genome sequence of hairy root RhizobiumÂrhizogenes strain LBA9402: Bioinformatics analysis suggests the presence of a new opine system in the agropine Ri plasmid. MicrobiologyOpen, 2021, 10, e1180.	3.0	10
5	Complete genomic sequence and phylogenomics analysis of Agrobacterium strain AB2/73: a new Rhizobium species with a unique mega-Ti plasmid. BMC Microbiology, 2021, 21, 295.	3.3	8
6	JAZ8 Interacts With VirE3 Attenuating Agrobacterium Mediated Root Tumorigenesis. Frontiers in Plant Science, 2021, 12, 685533.	3.6	6
7	CRISPR/Cas9 Mutagenesis by Translocation of Cas9 Protein Into Plant Cells via the Agrobacterium Type IV Secretion System. Frontiers in Genome Editing, 2020, 2, 6.	5.2	14
8	Complete Sequence of Succinamopine Ti-Plasmid pTiEU6 Reveals Its Evolutionary Relatedness with Nopaline-Type Ti-Plasmids. Genome Biology and Evolution, 2019, 11, 2480-2491.	2.5	14
9	The Agrobacterium VirD5 protein hyperactivates the mitotic Aurora kinase in host cells. New Phytologist, 2019, 222, 1551-1560.	7.3	6
10	Zinc Finger Artificial Transcription Factor-Mediated Chloroplast Genome Interrogation in Arabidopsis thaliana. Plant and Cell Physiology, 2019, 60, 393-406.	3.1	0
11	True gene-targeting events by CRISPR/Cas-induced DSB repair of the PPO locus with an ectopically integrated repair template. Scientific Reports, 2018, 8, 3338.	3.3	40
12	Complete sequence of the tumor-inducing plasmid pTiChry5 from the hypervirulent Agrobacterium tumefaciens strain Chry5. Plasmid, 2018, 96-97, 1-6.	1.4	15
13	Agrobacterium-Mediated Transformation of Yeast and Fungi. Current Topics in Microbiology and Immunology, 2018, 418, 349-374.	1.1	18
14	Application of phi<scp>LOV</scp>2.1 as a fluorescent marker for visualization of Agrobacterium effector protein translocation. Plant Journal, 2018, 96, 685-699.	5.7	8
15	Virulence protein VirD5 of Agrobacterium tumefaciens binds to kinetochores in host cells via an interaction with Spt4. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10238-10243.	7.1	15
16	An Arabidopsis mutant with high operating efficiency of Photosystem II and low chlorophyll fluorescence. Scientific Reports, 2017, 7, 3314.	3.3	7
17	CRISPR/Cas9-Induced Double-Strand Break Repair in Arabidopsis Nonhomologous End-Joining Mutants. G3: Genes, Genomes, Genetics, 2017, 7, 193-202.	1.8	48
18	Enhancement of Arabidopsis growth characteristics using genome interrogation with artificial transcription factors. PLoS ONE, 2017, 12, e0174236.	2.5	7

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19	Genome interrogation for novel salinity tolerant Arabidopsis mutants. Plant, Cell and Environment, 2016, 39, 2650-2662.	5.7	5
20	T-DNA integration in plants results from polymerase-Î¸-mediated DNA repair. Nature Plants, 2016, 2, 16164.	9.3	118
21	The Agrobacterium tumefaciens virulence protein VirE3 is a transcriptional activator of the Fâ€box gene <scp>VBF</scp>. Plant Journal, 2015, 84, 914-924.	5.7	27
22	Enhanced targeted integration mediated by translocated I-SceI during the Agrobacterium mediated transformation of yeast. Scientific Reports, 2015, 5, 8345.	3.3	21
23	Agrobacterium, The Genetic Engineer. , 2015, , 355-361.		2
24	Interaction of the Agrobacterium tumefaciens virulence protein VirD2 with histones. Microbiology (United Kingdom), 2015, 161, 401-410.	1.8	11
25	Genome Sequence of the Octopine-Type Agrobacterium tumefaciens Strain Ach5. Genome Announcements, 2014, 2, .	0.8	19
26	Genetic transformation of Knufia petricola A95 - a model organism for biofilm-material interactions. AMB Express, 2014, 4, 80.	3.0	22
27	Visualization of VirE2 protein translocation by the <scp>A</scp>grobacterium type IV secretion system into host cells. MicrobiologyOpen, 2014, 3, 104-117.	3.0	41
28	Involvement of <scp>Rad</scp>52 in <scp>T</scp>â€<scp>DNA</scp> circle formation during <scp>A</scp>grobacterium tumefaciensâ€mediated transformation of <scp>S</scp>accharomyces cerevisiae. Molecular Microbiology, 2014, 91, 1240-1251.	2.5	13
29	Cre Reporter Assay for Translocation (CRAfT): A Tool for the Study of Protein Translocation into Host Cells. Methods in Molecular Biology, 2014, 1197, 103-121.	0.9	2
30	Poly(ADP-ribose)polymerases are involved in microhomology mediated back-up non-homologous end joining in Arabidopsis thaliana. Plant Molecular Biology, 2013, 82, 339-351.	3.9	70
31	<scp>ZFN</scp>â€mediated gene targeting of the Arabidopsis protoporphyrinogen oxidase gene through Agrobacteriumâ€mediated floral dip transformation. Plant Biotechnology Journal, 2013, 11, 510-515.	8.3	74
32	Zinc finger artificial transcription factorâ€“based nearest inactive analogue/nearest active analogue strategy used for the identification of plant genes controlling homologous recombination. Plant Biotechnology Journal, 2013, 11, 1069-1079.	8.3	9
33	DAYSLEEPER: a nuclear and vesicular-localized protein that is expressed in proliferating tissues. BMC Plant Biology, 2013, 13, 211.	3.6	16
34	Gene Replacement. , 2013, , 167-183.		0
35	The SLEEPERgenes: a transposase-derived angiosperm-specific gene family. BMC Plant Biology, 2012, 12, 192.	3.6	34
36	Agrobacterium tumefaciensT-DNA Integration and Gene Targeting inArabidopsis thalianaNon-Homologous End-Joining Mutants. Journal of Botany, 2012, 2012, 1-13.	1.2	29

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37	Programmed Cell Death in the Leaves of the Arabidopsis Spontaneous Necrotic Spots (sns-D) Mutant Correlates with Increased Expression of the Eukaryotic Translation Initiation Factor eIF4B2. Frontiers in Plant Science, 2011, 2, 9.	3.6	5
38	Ehrlichia chaffeensis Tandem Repeat Proteins and Ank200 are Type 1 Secretion System Substrates Related to the Repeats-in-Toxin Exoprotein Family. Frontiers in Cellular and Infection Microbiology, 2011, 1, 22.	3.9	58
39	Agrobacterium-Mediated T-DNA Transfer and Integration by Minimal VirD2 Consisting of the Relaxase Domain and a Type IV Secretion System Translocation Signal. Molecular Plant-Microbe Interactions, 2009, 22, 1356-1365.	2.6	43
40	Agrobacterium tumefaciens VirC2 enhances T-DNA transfer and virulence through its C-terminal ribbonâ€"helixâ€"helix DNA-binding fold. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9643-9648.	7.1	32
41	Deletion of host histone acetyltransferases and deacetylases strongly affectsAgrobacterium-mediated transformation ofSaccharomyces cerevisiae. FEMS Microbiology Letters, 2009, 298, 228-233.	1.8	18
42	ZFNâ€induced mutagenesis and geneâ€targeting in Arabidopsis through Agrobacteriumâ€mediated floral dip transformation. Plant Biotechnology Journal, 2009, 7, 821-835.	8.3	107
43	Agrobacterium-mediated transformation of the filamentous fungus Aspergillus awamori. Nature Protocols, 2008, 3, 1671-1678.	12.0	174
44	Agrobacterium-Mediated Transformation of Non-Plant Organisms. , 2008, , 649-675.		18
45	Stable Recombinase-Mediated Cassette Exchange in Arabidopsis Using Agrobacterium tumefaciens Â. Plant Physiology, 2007, 145, 1282-1293.	4.8	50
46	Live cell imaging of repetitive DNA sequences via GFP-tagged polydactyl zinc finger proteins. Nucleic Acids Research, 2007, 35, e107-e107.	14.5	104
47	Towards a molecular genetic system for the pathogenic fungus Paracoccidioides brasiliensis. Fungal Genetics and Biology, 2007, 44, 1387-1398.	2.1	54
48	Anaplasma phagocytophilum AnkA secreted by type IV secretion system is tyrosine phosphorylated by Abl-1 to facilitate infection. Cellular Microbiology, 2007, 9, 2644-2657.	2.1	174
49	Yeast (Saccharomyces cerevisiae). , 2006, 344, 465-473.		6
50	Effects of different zinc finger transcription factors on genomic targets. Biochemical and Biophysical Research Communications, 2006, 339, 263-270.	2.1	20
51	Employing libraries of zinc finger artificial transcription factors to screen for homologous recombination mutants in Arabidopsis. Plant Journal, 2006, 48, 475-483.	5.7	20
52	The Agrobacterium VirE3 effector protein: a potential plant transcriptional activator. Nucleic Acids Research, 2006, 34, 6496-6504.	14.5	62
53	Agrobacterium rhizogenes GALLS Protein Contains Domains for ATP Binding, Nuclear Localization, and Type IV Secretion. Journal of Bacteriology, 2006, 188, 8222-8230.	2.2	33
54	An Arabidopsis hAT-like transposase is essential for plant development. Nature, 2005, 436, 282-284.	27.8	159

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55	Agrobacterium-mediated transformation as a tool for functional genomics in fungi. Current Genetics, 2005, 48, 1-17.	1.7	445
56	Maintenance of Embryonic Auxin Distribution for Apical-Basal Patterning by PIN-FORMEDâ€“Dependent Auxin Transport in Arabidopsis. Plant Cell, 2005, 17, 2517-2526.	6.6	135
57	Positive charge is an important feature of the C-terminal transport signal of the VirB/D4-translocated proteins of Agrobacterium. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 832-837.	7.1	263
58	Molecular analysis of "de novo" purine biosynthesis in solanaceous species and in Arabidopsis Thaliana. Frontiers in Bioscience - Landmark, 2004, 9, 1803.	3.0	41
59	A PINOID-Dependent Binary Switch in Apical-Basal PIN Polar Targeting Directs Auxin Efflux. Science, 2004, 306, 862-865.	12.6	703
60	Agrobacterium -Mediated Transformation of Aspergillus awamori in the Absence of Full-Length VirD2, VirC2, or VirE2 Leads to Insertion of Aberrant T-DNA Structures. Journal of Bacteriology, 2004, 186, 2038-2045.	2.2	28
61	Symbiotic phenotypes and translocated effector proteins of the Mesorhizobium loti strain R7A VirB/D4 type IV secretion system. Molecular Microbiology, 2004, 54, 561-574.	2.5	174
62	Efficient gene targeting inKluyveromyces lactis. Yeast, 2004, 21, 781-792.	1.7	152
63	Role of bacterial virulence proteins in Agrobacterium-mediated transformation of Aspergillus awamori. Fungal Genetics and Biology, 2004, 41, 571-578.	2.1	49
64	Transformation Mediated by Agrobacterium tumefaciens. , 2004, , 41-65.		5
65	Increased Endogenous Auxin Production in Arabidopsis thaliana Causes Both Earlier Described and Novel Auxin-Related Phenotypes. Journal of Plant Growth Regulation, 2003, 22, 240-252.	5.1	15
66	VirD4-independent transformation by CloDF13 evidences an unknown factor required for the genetic colonization of plants via Agrobacterium. Molecular Microbiology, 2003, 47, 891-901.	2.5	10
67	Genetic requirements for the targeted integration of Agrobacterium T-DNA in Saccharomyces cerevisiae. Nucleic Acids Research, 2003, 31, 826-832.	14.5	72
68	Analysis of Vir protein translocation from Agrobacterium tumefaciens using Saccharomyces cerevisiae as a model: evidence for transport of a novel effector protein VirE3. Nucleic Acids Research, 2003, 31, 860-868.	14.5	119
69	PINOID-Mediated Signaling Involves Calcium-Binding Proteins. Plant Physiology, 2003, 132, 1623-1630.	4.8	161
70	Diphtheria Toxin-Mediated Cell Ablation Reveals Interregional Communication during Arabidopsis Seed Development. Plant Physiology, 2003, 133, 1882-1892.	4.8	113
71	The Arabidopsis AtLIG4 gene is required for the repair of DNA damage, but not for the integration of Agrobacterium T-DNA. Nucleic Acids Research, 2003, 31, 4247-4255.	14.5	87
72	Recognition of the Agrobacterium tumefaciens VirE2 Translocation Signal by the VirB/D4 Transport System Does Not Require VirE1. Plant Physiology, 2003, 133, 978-988.	4.8	75

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73	Increased telomere length and hypersensitivity to DNA damaging agents in an Arabidopsis KU70 mutant. Nucleic Acids Research, 2002, 30, 3395-3400.	14.5	89
74	Severe Developmental Defects, Hypersensitivity to DNA-Damaging Agents, and Lengthened Telomeres in Arabidopsis MRE11 Mutants. Plant Cell, 2002, 14, 2451-2462.	6.6	119
75	Activation tagging of the two closely linked genes LEP and VAS independently affects vascular cell number. Plant Journal, 2002, 32, 819-830.	5.7	34
76	Insertional mutagenesis in yeasts using T-DNA fromAgrobacterium tumefaciens. Yeast, 2002, 19, 529-536.	1.7	57
77	Title is missing!. Plant Growth Regulation, 2001, 34, 305-315.	3.4	21
78	Non-homologous end-joining proteins are required for Agrobacterium T-DNA integration. EMBO Journal, 2001, 20, 6550-6558.	7.8	134
79	Interaction of the virulence protein VirF of Agrobacterium tumefaciens with plant homologs of the yeast Skp1 protein. Current Biology, 2001, 11, 258-262.	3.9	125
80	The PINOID protein kinase regulates organ development inArabidopsisby enhancing polar auxin transport. Development (Cambridge), 2001, 128, 4057-4067.	2.5	408
81	AnArabidopsisMinute-like phenotype caused by a semi-dominant mutation in aRIBOSOMAL PROTEIN S5gene. Development (Cambridge), 2001, 128, 4289-4299.	2.5	267
82	Isolation and partial characterization of the Kluyveromyces lactis homologue of SKP1. Current Genetics, 2000, 38, 8-16.	1.7	4
83	Isolation and characterization of KlUBP2 , a ubiquitin hydrolase gene of Kluyveromyces lactis that can suppress a ts-mutation in CBF2 , a gene encoding a centromeric protein of Saccharomyces cerevisiae. Current Genetics, 2000, 38, 17-22.	1.7	5
84	Cre/ lox -mediated recombination in Arabidopsis : evidence for transmission of a translocation and a deletion event. Chromosoma, 2000, 109, 287-297.	2.2	32
85	The Bases of Crown Gall Tumorigenesis. Journal of Bacteriology, 2000, 182, 3885-3895.	2.2	353
86	Sequence analysis of the vir-region from Agrobacterium tumefaciens octopine Ti plasmid pTi15955. Journal of Experimental Botany, 2000, 51, 1167-1169.	4.8	18
87	VirB/D4-Dependent Protein Translocation from Agrobacterium into Plant Cells. Science, 2000, 290, 979-982.	12.6	379
88	A Novel Subtilisin-like Protease Gene from Arabidopsis thaliana is Expressed at Sites of Lateral Root Emergence. DNA Research, 1999, 6, 13-19.	3.4	61
89	Overexpression of a Novel Arabidopsis Gene Related to Putative Zinc-Transporter Genes from Animals Can Lead to Enhanced Zinc Resistance and Accumulation. Plant Physiology, 1999, 119, 1047-1056.	4.8	371
90	Transformation of Aspergillus awamori by Agrobacterium tumefaciensâ€“mediated homologous recombination. Nature Biotechnology, 1999, 17, 598-601.	17.5	147

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91	Isolation and characterization of cDNA clones corresponding with mRNAs that accumulate during auxin-induced lateral root formation. Plant Molecular Biology, 1999, 39, 273-287.	3.9	117
92	Selection of Arabidopsis mutants overexpressing genes driven by the promoter of an auxin-inducible glutathione S-transferase gene. Plant Molecular Biology, 1999, 39, 979-990.	3.9	8
93	T-DNA from Agrobacterium tumefaciens as an efficient tool for gene targeting in Kluyveromyces lactis. Molecular Genetics and Genomics, 1999, 261, 115-121.	2.4	63
94	Molecular approaches to study plant hormone signalling. New Comprehensive Biochemistry, 1999, 33, 391-410.	0.1	1
95	Recombination in the Plant Genome and its Application in Biotechnology. Critical Reviews in Plant Sciences, 1999, 18, 1-31.	5.7	67
96	Title is missing!. Plant Molecular Biology, 1998, 38, 1269-1269.	3.9	2
97	Cre/lox-mediated site-specific integration of Agrobacterium T-DNA in Arabidopsis thaliana by transient expression of cre. Plant Molecular Biology, 1998, 38, 393-406.	3.9	80
98	Agrobacterium tumefaciens-mediated transformation of filamentous fungi. Nature Biotechnology, 1998, 16, 839-842.	17.5	811
99	The lysine-rich C-terminal repeats of the centromere-binding factor 5 (Cbf5) ofKluyveromyces lactis are not essential for function. Yeast, 1998, 14, 37-48.	1.7	20
100	Site-specific integration of Agrobacterium T-DNA in Arabidopsis thaliana mediated by Cre recombinase. Nucleic Acids Research, 1998, 26, 2729-2734.	14.5	107
101	Transformation of Arabidopsis thaliana C24 Leaf Discs by Agrobacterium tumefaciens. , 1998, 82, 245-258.		5
102	Root Transformation by Agrobacterium tumefaciens. , 1998, 82, 227-244.		16
103	The Presence and Characterization of a virF Gene on Agrobacterium vitis Ti Plasmids. Molecular Plant-Microbe Interactions, 1998, 11, 429-433.	2.6	19
104	Interactions between Agrobacterium Tumefaciens and Plant Cells. , 1998, , 207-229.		4
105	Gene targeting and instability of Agrobacterium T-DNA loci in the plant genome. Plant Journal, 1997, 11, 717-728.	5.7	63
106	Effectiveness of the bacterial gene codA encoding cytosine deaminase as a negative selectable marker in Agrobacterium-mediated plant transformation. Plant Journal, 1997, 11, 1377-1385.	5.7	34
107	Improvements in the transformation of Arabidopsis thaliana C24 leaf-discs by Agrobacterium tumefaciens. Plant Cell Reports, 1996, 15, 572-577.	5.6	22
108	Integration of Agrobacterium tumefaciens T-DNA in the Saccharomyces cerevisiae genome by illegitimate recombination. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 15272-15275.	7.1	149

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109	Isolation and characterization of an auxin-inducible glutathione S-transferase gene of Arabidopsis thaliana. Plant Molecular Biology, 1996, 30, 839-844.	3.9	31
110	Expression of an auxin-inducible promoter of tobacco in Arabidopsis thaliana. Plant Growth Regulation, 1996, 18, 7-14.	3.4	7
111	Deviating T-DNA transfer fromAgrobacterium tumefaciens to plants. Plant Molecular Biology, 1996, 31, 677-681.	3.9	67
112	Auxin-Sensitive Elements from Promoters of Tobacco GST Genes and a Consensus as-1-Like Element Differ Only in Relative Strength. Plant Physiology, 1996, 110, 79-88.	4.8	37
113	Improvements in the transformation of Arabidopsis thaliana C24 leaf-discs by Agrobacterium tumefaciens. Plant Cell Reports, 1996, 15, 572-577.	5.6	3
114	Gene replacement. Molecular Breeding, 1995, 1, 123-132.	2.1	26
115	Targeted recombination in plants using Agrobacterium coincides with additional rearrangements at the target locus. Plant Journal, 1995, 7, 109-119.	5.7	74
116	Promoter analysis of the auxin-regulated tobacco glutathione S-transferase genes Nt103-1 and Nt103-35. Plant Molecular Biology, 1995, 29, 413-429.	3.9	47
117	Signal transduction in theRhizobium melilotidicarboxylic acid transport system. FEMS Microbiology Letters, 1995, 126, 25-30.	1.8	18
118	2,4-Dichlorophenoxyacetic Acid and Related Chlorinated Compounds Inhibit Two Auxin-Regulated Type-III Tobacco Glutathione S-Transferases. Plant Physiology, 1995, 107, 1139-1146.	4.8	77
119	Electroporation of Agrobacterium tumefaciens. , 1995, 55, 63-72.		63
120	Mutational analysis of the transcriptional activator VirG of Agrobacterium tumefaciens. Journal of Bacteriology, 1994, 176, 6418-6426.	2.2	36
121	The Virulence System of Agrobacterium Tumefaciens. Annual Review of Phytopathology, 1994, 32, 157-181.	7.8	219
122	The N-terminal domain of VirG of Agrobacterium tumefadens: modelling and analysis of mutant phenotypes. Protein Engineering, Design and Selection, 1994, 7, 905-909.	2.1	6
123	Localization of the VirA domain involved in acetosyringone-mediatedvir gene induction inAgrobacterium tumefaciens. Plant Molecular Biology, 1994, 25, 899-907.	3.9	31
124	Non-recombinant background in gene targeting: illegitimate recombination between a hpt gene and a defective 5â€² deleted nptII gene can restore a Kmr phenotype in tobacco. Plant Molecular Biology, 1994, 25, 721-733.	3.9	16
125	Localization and Topology of VirB Proteins of Agrobacterium tumefaciens. Plasmid, 1994, 32, 212-218.	1.4	68
126	Nucleotide sequence corrections of the uidA open reading frame encoding Î²-glucuronidase. Gene, 1994, 138, 259-260.	2.2	27

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127	Agrobacterium molecular genetics. , 1994, , 75-83.		2
128	Gene Replacement in Plants. , 1994, , 191-217.		6
129	Proteins encoded by an auxin-regulated gene family of tobacco share limited but significant homology with glutathione S-transferases and one member indeed shows in vitro GST activity. Plant Molecular Biology, 1993, 21, 965-972.	3.9	100
130	The virA promoter is a host-range determinant in Agrobacterium tumefaciens. Molecular Microbiology, 1993, 7, 719-724.	2.5	24
131	Transgenic N. glauca plants expressing bacterial virulence gene virF are converted into hosts for nopaline strains of A. tumefaciens. Nature, 1993, 363, 69-71.	27.8	105
132	Further Characterization of Expression of Auxin-Induced Genes in Tobacco (Nicotiana tabacum) Cell-Suspension Cultures. Plant Physiology, 1993, 102, 513-520.	4.8	53
133	Nonreciprocal homologous recombination between Agrobacterium transferred DNA and a plant chromosomal locus.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 7346-7350.	7.1	56
134	The chimeric VirA-tar receptor protein is locked into a highly responsive state. Journal of Bacteriology, 1993, 175, 5706-5709.	2.2	24
135	The Virulence System of Agrobacterium Tumefaciens. Current Plant Science and Biotechnology in Agriculture, 1993, , 37-49.	0.0	37
136	Agrobacterium molecular genetics. , 1993, , 83-87.		5
137	Mechanisms of intermolecular homologous recombination in plants as studied with single- and double-stranded DNA molecules. Nucleic Acids Research, 1992, 20, 2785-2794.	14.5	27
138	Agrobacterium and plant genetic engineering. , 1992, , 15-38.		5
139	Conjugative Transfer by the Virulence System of Agrobacterium tumefaciens. Science, 1992, 256, 1324-1327.	12.6	229
140	Silene plastocyanin is fully functional in transgenic tobacco. Plant Science, 1992, 83, 45-54.	3.6	1
141	Design of a novel system for the construction of vectors for Agrobacterium-mediated plant transformation. Molecular Genetics and Genomics, 1992, 236, 1-7.	2.4	12
142	Agrobacterium and plant genetic engineering. Plant Molecular Biology, 1992, 19, 15-38.	3.9	246
143	Factors affecting the rate of T-DNA transfer from Agrobacterium tumefaciens to Nicotiana glauca plant cells. Plant Molecular Biology, 1992, 19, 1019-1030.	3.9	25
144	Gene targeting in plants using theAgrobacterium vector system. Transgenic Research, 1992, 1, 114-123.	2.4	15

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145	Electroporation of megaplasmids into Agrobacterium. Plant Molecular Biology, 1991, 16, 917-918.	3.9	68
146	Environmental conditions differentially affect vir gene induction in different Agrobacterium strains. Role of the VirA sensor protein. Plant Molecular Biology, 1991, 16, 1051-1059.	3.9	69
147	Molecular mechanisms of crown gall tumorigenesis. Critical Reviews in Plant Sciences, 1991, 10, 1-32.	5.7	127
148	The Agrobacterium Virulence System. , 1991, , 193-204.		1
149	Octopine and nopaline strains of Agrobacterium tumefaciens differ in virulence; molecular characterization of the virF locus. Plant Molecular Biology, 1990, 14, 249-259.	3.9	102
150	Sequence determination and characterization of the replicator region in the tumor-inducing plasmid pTiB6S3. Journal of Bacteriology, 1989, 171, 1665-1672.	2.2	91
151	Single-stranded DNA used as an efficient new vehicle for transformation of plant protoplasts. Plant Molecular Biology, 1989, 13, 711-719.	3.9	47
152	Transformation of plant cells via Agrobacterium. Plant Molecular Biology, 1989, 13, 327-336.	3.9	85
153	Mutational analysis of the conserved domains of a T-region border repeat of Agrobacterium tumefaciens. Plant Molecular Biology, 1989, 13, 523-531.	3.9	20
154	Ti plasmid containing Rhizobium meliloti are non-tumorigenic on plants, despite proper virulence gene induction and T-strand formation. Archives of Microbiology, 1989, 153, 85-89.	2.2	21
155	Specificity of signal molecules in the activation of Agrobacterium virulence gene expression. Molecular Microbiology, 1989, 3, 969-977.	2.5	123
156	Root lectin as a determinant of hostâ€“plant specificity in the Rhizobiumâ€“legume symbiosis. Nature, 1989, 338, 579-581.	27.8	363
157	Molecular characterization of the virulence gene virA of the Agrobacterium tumefaciens octopine Ti plasmid. Plant Molecular Biology, 1988, 11, 227-237.	3.9	25
158	Function of heterologous and pseudo border repeats in T region transfer via the octopine virulence system of Agrobacterium tumefaciens. Plant Molecular Biology, 1988, 11, 773-781.	3.9	19
159	The Agrobacterium tumefaciens T-DNA gene 6b is an onc gene. Plant Molecular Biology, 1988, 11, 791-794.	3.9	74
160	Analysis of the complete nucleotide sequence of theAgrobacterium tumefaciens virB operon. Nucleic Acids Research, 1988, 16, 4621-4636.	14.5	108
161	Bidirectional transfer from a 24 bp border repeat ofAgrobacterium tumefaciens. Nucleic Acids Research, 1988, 16, 10225-10236.	14.5	5
162	Agrobacterium tumefaciens Ti Plasmid-Derived Plant Vectors for Dicotyledonous and Monocotyledonous Plants. , 1988, , 517-538.		3

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163	Identification and Characterization of thenodD Gene inRhizobium leguminosarumstrain 1001. Molecular Plant-Microbe Interactions, 1988, 1, 145.	2.6	9
164	Crown Gall Tumor and Root Nodule Formation by the BacteriumPhyllobacterium myrsinacearumafter the Introduction of anAgrobacteriumTi Plasmid or aRhizobiumSym Plasmid. Molecular Plant-Microbe Interactions, 1988, 1, 231.	2.6	31
165	[18] Detection of monocot transformation via Agrobacterium tumefaciens. Methods in Enzymology, 1987, , 305-313.	1.0	1
166	Overdrive is a T-region transfer enhancer which stimulates T-strand production inAgrobacterium tumefaciens. Nucleic Acids Research, 1987, 15, 8983-8997.	14.5	53
167	Functional analysis of the Agrobacterium tumefaciens octopine Ti-plasmid left and right T-region border fragments. Plant Molecular Biology, 1987, 8, 95-104.	3.9	26
168	Chromosomal nodulation genes: Sym-plasmid containing Agrobacterium strains need chromosomal virulence genes (chvA and chvB) for nodulation. Plant Molecular Biology, 1987, 8, 105-108.	3.9	14
169	Molecular characterization of the virulence gene virA of the Agrobacterium tumefaciens octopine Ti plasmid. Plant Molecular Biology, 1987, 9, 635-645.	3.9	41
170	Complementation of Agrobacterium tumefaciens tumor-inducing aux mutants by genes from the TR-region of the Ri plasmid of Agrobacterium rhizogenes. Proceedings of the National Academy of Sciences of the United States of America, 1986, 83, 6935-6939.	7.1	97
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