Paul J Hooykaas

List of Publications by Year
in descending order

207 papers	16,660 citations	13827 67 h-index	16605 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 <i>Arabidopsis thaliana</i>. Plant Journal, 2022, 109, 112-125.	2.8	13
2	Characterization of the Agrobacterium octopine-cucumopine catabolic plasmid pAtAg67. Plasmid, 2022, 121, 102629.	0.4	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.	4.7	17
4	The genome sequence of hairy root <i>Rhizobium</i>Â<i>rhizogenes</i> strain LBA9402: Bioinformatics analysis suggests the presence of a new opine system in the agropine Ri plasmid. MicrobiologyOpen, 2021, 10, e1180.	1.2	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.	1.3	8
6	JAZ8 Interacts With VirE3 Attenuating Agrobacterium Mediated Root Tumorigenesis. Frontiers in Plant Science, 2021, 12, 685533.	1.7	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.	2.7	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.	1.1	14
9	The <i>Agrobacterium</i> VirD5 protein hyperactivates the mitotic Aurora kinase in host cells. New Phytologist, 2019, 222, 1551-1560.	3.5	6
10	Zinc Finger Artificial Transcription Factor-Mediated Chloroplast Genome Interrogation in Arabidopsis thaliana. Plant and Cell Physiology, 2019, 60, 393-406.	1.5	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.	1.6	40
12	Complete sequence of the tumor-inducing plasmid pTiChry5 from the hypervirulent Agrobacterium tumefaciens strain Chry5. Plasmid, 2018, 96-97, 1-6.	0.4	15
13	Agrobacterium-Mediated Transformation of Yeast and Fungi. Current Topics in Microbiology and Immunology, 2018, 418, 349-374.	0.7	18
14	Application of phi<scp>LOV</scp>2.1 as a fluorescent marker for visualization of <i>Agrobacterium</i> effector protein translocation. Plant Journal, 2018, 96, 685-699.	2.8	8
15	Virulence protein VirD5 of <i>Agrobacterium tumefaciens</i> 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.	3.3	15
16	An Arabidopsis mutant with high operating efficiency of Photosystem II and low chlorophyll fluorescence. Scientific Reports, 2017, 7, 3314.	1.6	7
17	CRISPR/Cas9-Induced Double-Strand Break Repair in <i>Arabidopsis</i> Nonhomologous End-Joining Mutants. G3: Genes, Genomes, Genetics, 2017, 7, 193-202.	0.8	48
18	Enhancement of Arabidopsis growth characteristics using genome interrogation with artificial transcription factors. PLoS ONE, 2017, 12, e0174236.	1.1	7

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19	Genome interrogation for novel salinity tolerant Arabidopsis mutants. Plant, Cell and Environment, 2016, 39, 2650-2662.	2.8	5
20	T-DNA integration in plants results from polymerase-Î¸-mediated DNA repair. Nature Plants, 2016, 2, 16164.	4.7	118
21	The <i>Agrobacterium tumefaciens</i> virulence protein VirE3 is a transcriptional activator of the Fâ€box gene <i><scp>VBF</scp></i>. Plant Journal, 2015, 84, 914-924.	2.8	27
22	Enhanced targeted integration mediated by translocated I-SceI during the Agrobacterium mediated transformation of yeast. Scientific Reports, 2015, 5, 8345.	1.6	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.	0.7	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.	1.4	22
27	Visualization of VirE2 protein translocation by the <i><scp>A</scp>grobacterium</i> type IV secretion system into host cells. MicrobiologyOpen, 2014, 3, 104-117.	1.2	41
28	Involvement of <scp>Rad</scp>52 in <scp>T</scp>â€<scp>DNA</scp> circle formation during <scp><i>A</i></scp><i>grobacterium tumefaciens</i>â€mediated transformation of <scp><i>S</i></scp><i>accharomyces cerevisiae</i>. Molecular Microbiology, 2014, 91, 1240-1251.	1.2	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.	0.4	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.	2.0	70
31	<scp>ZFN</scp>â€mediated gene targeting of the Arabidopsis <i>protoporphyrinogen oxidase</i> gene through <i>Agrobacterium</i>â€mediated floral dip transformation. Plant Biotechnology Journal, 2013, 11, 510-515.	4.1	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.	4.1	9
33	DAYSLEEPER: a nuclear and vesicular-localized protein that is expressed in proliferating tissues. BMC Plant Biology, 2013, 13, 211.	1.6	16
34	Gene Replacement. , 2013, , 167-183.		0
35	The SLEEPERgenes: a transposase-derived angiosperm-specific gene family. BMC Plant Biology, 2012, 12, 192.	1.6	34
36	<i>Agrobacterium tumefaciens</i>T-DNA Integration and Gene Targeting in<i>Arabidopsis thaliana</i>Non-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.	1.7	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.	1.8	58
39	<i>Agrobacterium</i>-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.	1.4	43
40	<i>Agrobacterium tumefaciens</i> 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.	3.3	32
41	Deletion of host histone acetyltransferases and deacetylases strongly affectsAgrobacterium-mediated transformation ofSaccharomyces cerevisiae. FEMS Microbiology Letters, 2009, 298, 228-233.	0.7	18
42	ZFNâ€induced mutagenesis and geneâ€targeting in Arabidopsis through <i>Agrobacterium</i>â€mediated floral dip transformation. Plant Biotechnology Journal, 2009, 7, 821-835.	4.1	107
43	Agrobacterium-mediated transformation of the filamentous fungus Aspergillus awamori. Nature Protocols, 2008, 3, 1671-1678.	5.5	174
44	Agrobacterium-Mediated Transformation of Non-Plant Organisms. , 2008, , 649-675.		18
45	Stable Recombinase-Mediated Cassette Exchange in Arabidopsis Using <i>Agrobacterium tumefaciens</i> Â. Plant Physiology, 2007, 145, 1282-1293.	2.3	50
46	Live cell imaging of repetitive DNA sequences via GFP-tagged polydactyl zinc finger proteins. Nucleic Acids Research, 2007, 35, e107-e107.	6.5	104
47	Towards a molecular genetic system for the pathogenic fungus Paracoccidioides brasiliensis. Fungal Genetics and Biology, 2007, 44, 1387-1398.	0.9	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.	1.1	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.	1.0	20
51	Employing libraries of zinc finger artificial transcription factors to screen for homologous recombination mutants in Arabidopsis. Plant Journal, 2006, 48, 475-483.	2.8	20
52	The Agrobacterium VirE3 effector protein: a potential plant transcriptional activator. Nucleic Acids Research, 2006, 34, 6496-6504.	6.5	62
53	Agrobacterium rhizogenes GALLS Protein Contains Domains for ATP Binding, Nuclear Localization, and Type IV Secretion. Journal of Bacteriology, 2006, 188, 8222-8230.	1.0	33
54	An Arabidopsis hAT-like transposase is essential for plant development. Nature, 2005, 436, 282-284.	13.7	159

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55	Agrobacterium-mediated transformation as a tool for functional genomics in fungi. Current Genetics, 2005, 48, 1-17.	0.8	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.	3.1	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.	3.3	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.	6.0	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.	1.0	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.	1.2	174
62	Efficient gene targeting inKluyveromyces lactis. Yeast, 2004, 21, 781-792.	0.8	152
63	Role of bacterial virulence proteins in Agrobacterium-mediated transformation of Aspergillus awamori. Fungal Genetics and Biology, 2004, 41, 571-578.	0.9	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.	2.8	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.	1.2	10
67	Genetic requirements for the targeted integration of Agrobacterium T-DNA in Saccharomyces cerevisiae. Nucleic Acids Research, 2003, 31, 826-832.	6.5	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.	6.5	119
69	PINOID-Mediated Signaling Involves Calcium-Binding Proteins. Plant Physiology, 2003, 132, 1623-1630.	2.3	161
70	Diphtheria Toxin-Mediated Cell Ablation Reveals Interregional Communication during Arabidopsis Seed Development. Plant Physiology, 2003, 133, 1882-1892.	2.3	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.	6.5	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.	2.3	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.	6.5	89
74	Severe Developmental Defects, Hypersensitivity to DNA-Damaging Agents, and Lengthened Telomeres in Arabidopsis MRE11 Mutants. Plant Cell, 2002, 14, 2451-2462.	3.1	119
75	Activation tagging of the two closely linked genes LEP and VAS independently affects vascular cell number. Plant Journal, 2002, 32, 819-830.	2.8	34
76	Insertional mutagenesis in yeasts using T-DNA fromAgrobacterium tumefaciens. Yeast, 2002, 19, 529-536.	0.8	57
77	Title is missing!. Plant Growth Regulation, 2001, 34, 305-315.	1.8	21
78	Non-homologous end-joining proteins are required for Agrobacterium T-DNA integration. EMBO Journal, 2001, 20, 6550-6558.	3.5	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.	1.8	125
80	The PINOID protein kinase regulates organ development in<i>Arabidopsis</i>by enhancing polar auxin transport. Development (Cambridge), 2001, 128, 4057-4067.	1.2	408
81	An<i>Arabidopsis</i>Minute-like phenotype caused by a semi-dominant mutation in a<i>RIBOSOMAL PROTEIN S5</i>gene. Development (Cambridge), 2001, 128, 4289-4299.	1.2	267
82	Isolation and partial characterization of the Kluyveromyces lactis homologue of SKP1. Current Genetics, 2000, 38, 8-16.	0.8	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.	0.8	5
84	Cre/ lox -mediated recombination in Arabidopsis : evidence for transmission of a translocation and a deletion event. Chromosoma, 2000, 109, 287-297.	1.0	32
85	The Bases of Crown Gall Tumorigenesis. Journal of Bacteriology, 2000, 182, 3885-3895.	1.0	353
86	Sequence analysis of the vir-region from Agrobacterium tumefaciens octopine Ti plasmid pTi15955. Journal of Experimental Botany, 2000, 51, 1167-1169.	2.4	18
87	VirB/D4-Dependent Protein Translocation from Agrobacterium into Plant Cells. Science, 2000, 290, 979-982.	6.0	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.	1.5	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.	2.3	371
90	Transformation of Aspergillus awamori by Agrobacterium tumefaciensâ€“mediated homologous recombination. Nature Biotechnology, 1999, 17, 598-601.	9.4	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.	2.0	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.	2.0	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.	2.7	67
96	Title is missing!. Plant Molecular Biology, 1998, 38, 1269-1269.	2.0	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.	2.0	80
98	Agrobacterium tumefaciens-mediated transformation of filamentous fungi. Nature Biotechnology, 1998, 16, 839-842.	9.4	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.	0.8	20
100	Site-specific integration of Agrobacterium T-DNA in Arabidopsis thaliana mediated by Cre recombinase. Nucleic Acids Research, 1998, 26, 2729-2734.	6.5	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.	1.4	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.	2.8	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.	2.8	34
107	Improvements in the transformation of Arabidopsis thaliana C24 leaf-discs by Agrobacterium tumefaciens. Plant Cell Reports, 1996, 15, 572-577.	2.8	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.	3.3	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.	2.0	31
110	Expression of an auxin-inducible promoter of tobacco in Arabidopsis thaliana. Plant Growth Regulation, 1996, 18, 7-14.	1.8	7
111	Deviating T-DNA transfer fromAgrobacterium tumefaciens to plants. Plant Molecular Biology, 1996, 31, 677-681.	2.0	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.	2.3	37
113	Improvements in the transformation of Arabidopsis thaliana C24 leaf-discs by Agrobacterium tumefaciens. Plant Cell Reports, 1996, 15, 572-577.	2.8	3
114	Gene replacement. Molecular Breeding, 1995, 1, 123-132.	1.0	26
115	Targeted recombination in plants using Agrobacterium coincides with additional rearrangements at the target locus. Plant Journal, 1995, 7, 109-119.	2.8	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.	2.0	47
117	Signal transduction in theRhizobium melilotidicarboxylic acid transport system. FEMS Microbiology Letters, 1995, 126, 25-30.	0.7	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.	2.3	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.	1.0	36
121	The Virulence System of Agrobacterium Tumefaciens. Annual Review of Phytopathology, 1994, 32, 157-181.	3.5	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.	1.0	6
123	Localization of the VirA domain involved in acetosyringone-mediatedvir gene induction inAgrobacterium tumefaciens. Plant Molecular Biology, 1994, 25, 899-907.	2.0	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.	2.0	16
125	Localization and Topology of VirB Proteins of Agrobacterium tumefaciens. Plasmid, 1994, 32, 212-218.	0.4	68
126	Nucleotide sequence corrections of the uidA open reading frame encoding Î²-glucuronidase. Gene, 1994, 138, 259-260.	1.0	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.	2.0	100
130	The virA promoter is a host-range determinant in Agrobacterium tumefaciens. Molecular Microbiology, 1993, 7, 719-724.	1.2	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.	13.7	105
132	Further Characterization of Expression of Auxin-Induced Genes in Tobacco (Nicotiana tabacum) Cell-Suspension Cultures. Plant Physiology, 1993, 102, 513-520.	2.3	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.	3.3	56
134	The chimeric VirA-tar receptor protein is locked into a highly responsive state. Journal of Bacteriology, 1993, 175, 5706-5709.	1.0	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.	6.5	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.	6.0	229
140	Silene plastocyanin is fully functional in transgenic tobacco. Plant Science, 1992, 83, 45-54.	1.7	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.	2.0	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.	2.0	25
144	Gene targeting in plants using theAgrobacterium vector system. Transgenic Research, 1992, 1, 114-123.	1.3	15

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145	Electroporation of megaplasmids into Agrobacterium. Plant Molecular Biology, 1991, 16, 917-918.	2.0	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.	2.0	69
147	Molecular mechanisms of crown gall tumorigenesis. Critical Reviews in Plant Sciences, 1991, 10, 1-32.	2.7	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.	2.0	102
150	Sequence determination and characterization of the replicator region in the tumor-inducing plasmid pTiB6S3. Journal of Bacteriology, 1989, 171, 1665-1672.	1.0	91
151	Single-stranded DNA used as an efficient new vehicle for transformation of plant protoplasts. Plant Molecular Biology, 1989, 13, 711-719.	2.0	47
152	Transformation of plant cells via Agrobacterium. Plant Molecular Biology, 1989, 13, 327-336.	2.0	85
153	Mutational analysis of the conserved domains of a T-region border repeat of Agrobacterium tumefaciens. Plant Molecular Biology, 1989, 13, 523-531.	2.0	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.	1.0	21
155	Specificity of signal molecules in the activation of Agrobacterium virulence gene expression. Molecular Microbiology, 1989, 3, 969-977.	1.2	123
156	Root lectin as a determinant of hostâ€“plant specificity in the Rhizobiumâ€“legume symbiosis. Nature, 1989, 338, 579-581.	13.7	363
157	Molecular characterization of the virulence gene virA of the Agrobacterium tumefaciens octopine Ti plasmid. Plant Molecular Biology, 1988, 11, 227-237.	2.0	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.	2.0	19
159	The Agrobacterium tumefaciens T-DNA gene 6b is an onc gene. Plant Molecular Biology, 1988, 11, 791-794.	2.0	74
160	Analysis of the complete nucleotide sequence of theAgrobacterium tumefaciens virB operon. Nucleic Acids Research, 1988, 16, 4621-4636.	6.5	108
161	Bidirectional transfer from a 24 bp border repeat ofAgrobacterium tumefaciens. Nucleic Acids Research, 1988, 16, 10225-10236.	6.5	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.	1.4	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.	1.4	31
165	[18] Detection of monocot transformation via Agrobacterium tumefaciens. Methods in Enzymology, 1987, , 305-313.	0.4	1
166	Overdrive is a T-region transfer enhancer which stimulates T-strand production inAgrobacterium tumefaciens. Nucleic Acids Research, 1987, 15, 8983-8997.	6.5	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.	2.0	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.	2.0	14
169	Molecular characterization of the virulence gene virA of the Agrobacterium tumefaciens octopine Ti plasmid. Plant Molecular Biology, 1987, 9, 635-645.	2.0	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.	3.3	97
171	The discernible, structural features of the acidic polysaccharides secreted by different Rhizobium species are the same. Carbohydrate Research, 1986, 146, 307-326.	1.1	71
172	Rhizobium nod genes are involved in inducing an early nodulin gene. Nature, 1986, 323, 564-566.	13.7	56
173	Nucleotide sequence of the virulence genevirGof theAgrobacterium tumefaciensoctopine Ti plasmid: significant homology betweenvirGand the regulatory genesompR,phoBanddyeofE. coli. Nucleic Acids Research, 1986, 14, 9933-9942.	6.5	80
174	T-Region Transfer from Agrobacterium Tumefaciens to Plant Cells: Functional Characterization of Border Repeats. , 1986, , 203-214.		0
175	Identification of an Agrobacterium tumefaciens pTiB6S3 vir region fragment that enhances the virulence of pTiC58. Molecular Genetics and Genomics, 1985, 199, 189-193.	2.4	48
176	Non-oncogenic plant vectors for use in the agrobacterium binary system. Plant Molecular Biology, 1985, 5, 85-89.	2.0	37
177	The Ti-plasmid of Agrobacterium tumefaciens: a natural genetic engineer. Trends in Biochemical Sciences, 1985, 10, 307-309.	3.7	12
178	Expression of a Rhizobium phaseoli Sym plasmid in R. trifolii and Agrobacterium tumefaciens: Incompatibility with a R. trifolii Sym plasmid. Plasmid, 1985, 14, 47-52.	0.4	36
179	Expression of Ti plasmid genes in monocotyledonous plants infected with Agrobacterium tumefaciens. Nature, 1984, 311, 763-764.	13.7	218
180	Silent T-DNA genes in plant lines transformed by Agrobacterium tumefaciens are activated by grafting and by 5-azacytidine treatment. Plant Molecular Biology, 1984, 3, 333-336.	2.0	69

#	Article	IF	Citations
181	Tumor formation on plants by mixtures of attenuated Agrobacterium tumefaciens T-DNA mutants. Plant Molecular Biology, 1984, 3, 337-344.	2.0	8
182	Restoration of virulence of Vir region mutants of Agrobacterium tumefaciens strain B6S3 by coinfection with normal and mutant Agrobacterium strains. Molecular Genetics and Genomics, 1984, 195, 159-163.	2.4	121
183	A comparison of virulence determinants in an octopine Ti plasmid, a nopaline Ti plasmid, and an Ri plasmid by complementation analysis of Agrobacterium tumefaciens mutants. Plasmid, 1984, 11, 195-205.	0.4	143
184	The Molecular Genetics Of Crown Gall Tumorigenesis. Advances in Genetics, 1984, 22, 209-283.	0.8	107
185	Gene Organization of the Ti-Plasmid. Plant Gene Research, 1984, , 287-309.	0.4	15
186	Transfer of the octopine T-DNA segment to plant cells mediated by different types of Agrobacterium tumor- or root-inducing plasmids: generality of virulence systems. Journal of Bacteriology, 1984, 158, 383-385.	1.0	72
187	A binary plant vector strategy based on separation of vir- and T-region of the Agrobacterium tumefaciens Ti-plasmid. Nature, 1983, 303, 179-180.	13.7	1,716
188	Clonal analysis of heterogeneous crown gall tumor tissues induced by wild-type and shooter mutant strains ofAgrobacterium tumefaciens-expression of T-DNA genes. Plant Molecular Biology, 1983, 2, 321-333.	2.0	89
189	Repression of Small bacteriocin excretion in Rhizobium leguminosarum and Rhizobium trifolii by transmissible plasmids. Molecular Genetics and Genomics, 1983, 192, 171-176.	2.4	45
190	Octopine Ti-plasmid deletion mutants of Agrobacterium tumefaciens with emphasis on the right side of the T-region. Plasmid, 1982, 7, 15-29.	0.4	297
191	Identification of the sym plasmid of Rhizobium leguminosarum strain 1001 and its transfer to and expression in other Rhizobia and Agrobacterium tumefaciens. Plasmid, 1982, 8, 73-82.	0.4	112
192	Method for the transfer of large cryptic, non-self-transmissible plasmids: Ex planta transfer of the virulence plasmid of Agrobacterium rhizogenes. Plasmid, 1982, 8, 94-96.	0.4	20
193	A functional map of the replicator region of the octopine Ti plasmid. Plasmid, 1982, 7, 119-132.	0.4	63
194	A chromosomal linkage map of Agrobacterium tumefaciens and a comparison with the maps of Rhizobium spp. Molecular Genetics and Genomics, 1982, 188, 12-17.	2.4	50
195	The lysopinedehydrogenase gene used as a marker for the selection of octopine crown gall cells. Plant Molecular Biology, 1982, 1, 133-142.	2.0	9
196	Studies on the structure of cointegrates between octopine and nopaline Ti-plasmids and their tumour-inducing properties. Plant Molecular Biology, 1982, 1, 265-276.	2.0	14
197	Phenotypic expression of mutations in a wide-host-range R plasmid in Escherichia coli and Rhizobium meliloti. Journal of Bacteriology, 1982, 150, 395-397.	1.0	10
198	Fingerprinting and sequence homology of plasmids from different virulent strains of Agrobacterium rhizogenes. Plasmid, 1981, 5, 170-182.	0.4	59

#	Article	IF	Citations
199	Crown gall plant tumors of abnormal morphology, induced by Agrobacterium tumefaciens carrying mutated octopine Ti plasmids; analysis of T-DNA functions. Gene, 1981, 14, 33-50.	1.0	368
200	Ti plasmids as vectors for genetic transformation of plant cells. Cell Biology International Reports, 1981, 5, 763.	0.7	0
201	Sym plasmid of Rhizobium trifolii expressed in different rhizobial species and Agrobacterium tumefaciens. Nature, 1981, 291, 351-353.	13.7	264
202	Plasmid genes involved in the interactions between bacteria and plant cells. Antonie Van Leeuwenhoek, 1980, 46, 226-227.	0.7	0
203	Localization of the replication control region on the physical map of the octopine Ti plasmid. Plasmid, 1980, 4, 184-195.	0.4	41
204	Molecular mechanism of Ti plasmid mobilization by R plasmids: Isolation of Ti plasmids with transposon-insertions in Agrobacterium tumefaciens. Plasmid, 1980, 4, 64-75.	0.4	97
205	Tumor formation and rhizogenicity of Agro bacterium rhizogenes carrying Ti plasmids. Gene, 1980, 11, 79-87.	1.0	57
206	The stoichiometry of E. coli 30S ribosomal protein S1 on in vivo and in vitro polyribosomes. FEBS Letters, 1974, 41, 323-326.	1.3	48
207	Two novel strategies to assess in vivo meiotic protein expression in Arabidopsis thaliana. F1000Research, 0, 8, 539.	0.8	2