David C Baulcombe

List of Publications by Year
in descending order

211 papers	44,119 citations	1799 103 h-index	2078 204 g-index
229 all docs	229 docs citations	229 times ranked	23939 citing authors

#	Article	IF	Citations
1	CHROMOMETHYLTRANSFERASE3/KRYPTONITE maintains the <i>sulfurea</i> paramutation in <i>Solanum lycopersicum</i>. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112240119.	7.1	4
2	Post-transcriptional Gene Silencing Using Virus-Induced Gene Silencing to Study Plant Gametogenesis in Tomato. Methods in Molecular Biology, 2022, 2484, 201-212.	0.9	2
3	Interspecific hybridization in tomato influences endogenous viral sRNAs and alters gene expression. Genome Biology, 2022, 23, .	8.8	8
4	Roles of RNA silencing in viral and non-viral plant immunity and in the crosstalk between disease resistance systems. Nature Reviews Molecular Cell Biology, 2022, 23, 645-662.	37.0	83
5	Transposon age and non-CG methylation. Nature Communications, 2020, 11, 1221.	12.8	37
6	Viral Fitness Determines the Magnitude of Transcriptomic and Epigenomic Reprograming of Defense Responses in Plants. Molecular Biology and Evolution, 2020, 37, 1866-1881.	8.9	27
7	The small RNA locus map for Chlamydomonas reinhardtii. PLoS ONE, 2020, 15, e0242516.	2.5	7
8	Distinct roles of Argonaute in the green alga Chlamydomonas reveal evolutionary conserved mode of miRNA-mediated gene expression. Scientific Reports, 2019, 9, 11091.	3.3	15
9	Environmental and epigenetic regulation of Rider retrotransposons in tomato. PLoS Genetics, 2019, 15, e1008370.	3.5	51
10	Maternal small RNAs mediate spatial-temporal regulation of gene expression, imprinting, and seed development in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2761-2766.	7.1	54
11	Enhanced resistance to bacterial and oomycete pathogens by short tandem target mimic RNAs in tomato. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 2755-2760.	7.1	101
12	How Virus Resistance Provided a Mechanistic Foundation for RNA Silencing. Plant Cell, 2019, 31, 1395-1396.	6.6	13
13	Extensive recombination challenges the utility of Sugarcane mosaic virus phylogeny and strain typing. Scientific Reports, 2019, 9, 20067.	3.3	13
14	miRNA-Mediated Regulation of Synthetic Gene Circuits in the Green Alga <i>Chlamydomonas reinhardtii</i>. ACS Synthetic Biology, 2019, 8, 358-370.	3.8	18
15	Towards annotating the plant epigenome: the Arabidopsis thaliana small RNA locus map. Scientific Reports, 2018, 8, 6338.	3.3	15
16	Maize chlorotic mottle virus exhibits low divergence between differentiated regional sub-populations. Scientific Reports, 2018, 8, 1173.	3.3	36
17	Paramutation-like features of multiple natural epialleles in tomato. BMC Genomics, 2018, 19, 203.	2.8	17
18	Birth of a Photosynthetic Chassis: A MoClo Toolkit Enabling Synthetic Biology in the Microalga <i>Chlamydomonas reinhardtii</i>. ACS Synthetic Biology, 2018, 7, 2074-2086.	3.8	225

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19	A novel DCL2-dependent miRNA pathway in tomato affects susceptibility to RNA viruses. Genes and Development, 2018, 32, 1155-1160.	5.9	57
20	Improved Denaturation of Small RNA Duplexes and Its Application for Northern Blotting. Methods in Molecular Biology, 2017, 1580, 1-6.	0.9	1
21	Epigenetic and Genetic Contributions to Adaptation in Chlamydomonas. Molecular Biology and Evolution, 2017, 34, 2285-2306.	8.9	97
22	Endogenous miRNA in the green alga Chlamydomonas regulates gene expression through CDS-targeting. Nature Plants, 2017, 3, 787-794.	9.3	36
23	Analysis of Small RNA Populations Using Hybridization to DNA Tiling Arrays. Methods in Molecular Biology, 2017, 1456, 127-139.	0.9	2
24	The P1N-PISPO <i>trans</i> -Frame Gene of Sweet Potato Feathery Mottle Potyvirus Is Produced during Virus Infection and Functions as an RNA Silencing Suppressor. Journal of Virology, 2016, 90, 3543-3557.	3.4	59
25	Mobile small RNAs regulate genome-wide DNA methylation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E801-10.	7.1	192
26	<i>SLTAB2</i>is the paramutated<i>SULFUREA</i>locus in tomato. Journal of Experimental Botany, 2016, 67, 2655-2664.	4.8	20
27	Most microRNAs in the single-cell alga <i>Chlamydomonas reinhardtii</i> are produced by Dicer-like 3-mediated cleavage of introns and untranslated regions of coding RNAs. Genome Research, 2016, 26, 519-529.	5.5	44
28	DNA Methylation Signatures of the Plant Chromomethyltransferases. PLoS Genetics, 2016, 12, e1006526.	3.5	149
29	Standards for plant synthetic biology: a common syntax for exchange of <scp>DNA</scp> parts. New Phytologist, 2015, 208, 13-19.	7.3	263
30	The use of duplex-specific nuclease in ribosome profiling and a user-friendly software package for Ribo-seq data analysis. Rna, 2015, 21, 1731-1745.	3.5	117
31	FDF-PAGE: a powerful technique revealing previously undetected small RNAs sequestered by complementary transcripts. Nucleic Acids Research, 2015, 43, 7590-7599.	14.5	32
32	Epigenetic transitions leading to heritable, RNA-mediated de novo silencing in <i>Arabidopsis thaliana</i>. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 917-922.	7.1	125
33	Evolution of NBS-LRR Gene Copies among Dicot Plants and its Regulation by Members of the miR482/2118 Superfamily of miRNAs. Molecular Plant, 2015, 8, 329-331.	8.3	57
34	RNA Polymerase Slippage as a Mechanism for the Production of Frameshift Gene Products in Plant Viruses of the Potyviridae Family. Journal of Virology, 2015, 89, 6965-6967.	3.4	136
35	VIGS, HIGS and FIGS: small RNA silencing in the interactions of viruses or filamentous organisms with their plant hosts. Current Opinion in Plant Biology, 2015, 26, 141-146.	7.1	134
36	Chlorophyll Content Assay to Quantify the Level of Necrosis Induced by Different R Gene/Elicitor Combinations after Transient Expression. Bio-protocol, 2015, 5, .	0.4	6

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37	5â€² isomiR variation is of functional and evolutionary importance. Nucleic Acids Research, 2014, 42, 9424-9435.	14.5	203
38	Epigenetic Regulation in Plant Responses to the Environment. Cold Spring Harbor Perspectives in Biology, 2014, 6, a019471-a019471.	5.5	210
39	Small RNAs and heritable epigenetic variation in plants. Trends in Cell Biology, 2014, 24, 100-107.	7.9	98
40	Using a Viral Vector to Reveal the Role of MicroRNA159 in Disease Symptom Induction by a Severe Strain of <i>Cucumber mosaic virus</i>. Plant Physiology, 2014, 164, 1378-1388.	4.8	78
41	Relationship between genome and epigenome - challenges and requirements for future research. BMC Genomics, 2014, 15, 487.	2.8	24
42	Small RNAâ€”the Secret of Noble Rot. Science, 2013, 342, 45-46.	12.6	19
43	Stepwise artificial evolution of a plant disease resistance gene. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 21189-21194.	7.1	138
44	Standing Up for GMOs. Science, 2013, 341, 1320-1320.	12.6	33
45	Identifying small interfering RNA loci from high-throughput sequencing data. Bioinformatics, 2012, 28, 457-463.	4.1	30
46	Maternal siRNAs as regulators of parental genome imbalance and gene expression in endosperm of <i>Arabidopsis</i> seeds. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5529-5534.	7.1	133
47	A MicroRNA Superfamily Regulates Nucleotide Binding Siteâ€“Leucine-Rich Repeats and Other mRNAs. Plant Cell, 2012, 24, 859-874.	6.6	697
48	Extraordinary transgressive phenotypes of hybrid tomato are influenced by epigenetics and small silencing RNAs. EMBO Journal, 2012, 31, 257-266.	7.8	204
49	A PHABULOSA/Cytokinin Feedback Loop Controls Root Growth in Arabidopsis. Current Biology, 2012, 22, 1699-1704.	3.9	112
50	Metastable Differentially Methylated Regions within Arabidopsis Inbred Populations Are Associated with Modified Expression of Non-Coding Transcripts. PLoS ONE, 2012, 7, e45242.	2.5	19
51	Silencing signals in plants: a long journey for small RNAs. Genome Biology, 2011, 12, 215.	9.6	117
52	Comparative Functional Genomics of the Fission Yeasts. Science, 2011, 332, 930-936.	12.6	458
53	Intercellular and systemic movement of RNA silencing signals. EMBO Journal, 2011, 30, 3553-3563.	7.8	279
54	An Antiviral Defense Role of AGO2 in Plants. PLoS ONE, 2011, 6, e14639.	2.5	321

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55	Mobile 24 nt Small RNAs Direct Transcriptional Gene Silencing in the Root Meristems of Arabidopsis thaliana. Current Biology, 2011, 21, 1678-1683.	3.9	133
56	The specific binding to 21-nt double-stranded RNAs is crucial for the anti-silencing activity of <i>Cucumber vein yellowing virus</i> P1b and perturbs endogenous small RNA populations. Rna, 2011, 17, 1148-1158.	3.5	38
57	An Atypical Epigenetic Mechanism Affects Uniparental Expression of Pol IV-Dependent siRNAs. PLoS ONE, 2011, 6, e25756.	2.5	21
58	RNA silencing of hydrogenase(-like) genes and investigation of their physiological roles in the green alga <i>Chlamydomonas reinhardtii</i>. Biochemical Journal, 2010, 431, 345-352.	3.7	45
59	The top 100 questions of importance to the future of global agriculture. International Journal of Agricultural Sustainability, 2010, 8, 219-236.	3.5	405
60	Welcome to Silence. Silence: A Journal of RNA Regulation, 2010, 1, 1.	8.1	29
61	The silencing suppressor P25 of <i>Potato virus X</i> interacts with Argonaute1 and mediates its degradation through the proteasome pathway. Molecular Plant Pathology, 2010, 11, 641-649.	4.2	153
62	Putative <i>Arabidopsis</i> THO/TREX mRNA export complex is involved in transgene and endogenous siRNA biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13948-13953.	7.1	101
63	JMJ14, a JmjC domain protein, is required for RNA silencing and cell-to-cell movement of an RNA silencing signal in <i>Arabidopsis</i>. Genes and Development, 2010, 24, 986-991.	5.9	116
64	Reaping Benefits of Crop Research. Science, 2010, 327, 761-761.	12.6	27
65	22-nucleotide RNAs trigger secondary siRNA biogenesis in plants. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15269-15274.	7.1	500
66	The<i>Arabidopsis</i>RNA-Directed DNA Methylation Argonautes Functionally Diverge Based on Their Expression and Interaction with Target Loci Â. Plant Cell, 2010, 22, 321-334.	6.6	346
67	Small Silencing RNAs in Plants Are Mobile and Direct Epigenetic Modification in Recipient Cells. Science, 2010, 328, 872-875.	12.6	668
68	Analysis of Small RNA Populations Using Hybridization to DNA Tiling Arrays. Methods in Molecular Biology, 2010, 631, 75-86.	0.9	1
69	Evidence for Large Complex Networks of Plant Short Silencing RNAs. PLoS ONE, 2010, 5, e9901.	2.5	44
70	Highly specific gene silencing by artificial microRNAs in the unicellular alga <i>Chlamydomonas reinhardtii</i>. Plant Journal, 2009, 58, 165-174.	5.7	317
71	Analysis of small RNA in fission yeast; centromeric siRNAs are potentially generated through a structured RNA. EMBO Journal, 2009, 28, 3832-3844.	7.8	73
72	Uniparental expression of PolIV-dependent siRNAs in developing endosperm of Arabidopsis. Nature, 2009, 460, 283-286.	27.8	297

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73	An atypical RNA polymerase involved in RNA silencing shares small subunits with RNA polymerase II. Nature Structural and Molecular Biology, 2009, 16, 91-93.	8.2	118
74	Technical Advance: Tobacco rattle virus as a vector for analysis of gene function by silencing. Plant Journal, 2008, 25, 237-245.	5.7	816
75	Of maize and men, or peas and people: case histories to justify plants and other model systems. Nature Medicine, 2008, 14, 1046-1049.	30.7	3
76	Identification and characterization of small RNAs from the phloem of <i>Brassica napus</i>. Plant Journal, 2008, 53, 739-749.	5.7	338
77	Bacterial pathogens encode suppressors of RNA-mediated silencing. Genome Biology, 2008, 9, 237.	9.6	13
78	Multimegabase Silencing in Nucleolar Dominance Involves siRNA-Directed DNA Methylation and Specific Methylcytosine-Binding Proteins. Molecular Cell, 2008, 32, 673-684.	9.7	144
79	Criteria for Annotation of Plant MicroRNAs. Plant Cell, 2008, 20, 3186-3190.	6.6	1,158
80	Tobacco Rattle Virus 16-Kilodalton Protein Encodes a Suppressor of RNA Silencing That Allows Transient Viral Entry in Meristems. Journal of Virology, 2008, 82, 4064-4071.	3.4	114
81	PolIVb influences RNA-directed DNA methylation independently of its role in siRNA biogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3145-3150.	7.1	247
82	Physical Association of the NB-LRR Resistance Protein Rx with a Ran GTPaseâ€"Activating Protein Is Required for Extreme Resistance to Potato virus X. Plant Cell, 2007, 19, 1682-1694.	6.6	181
83	Dissection of Silencing Signal Movement in Arabidopsis. Plant Signaling and Behavior, 2007, 2, 501-502.	2.4	6
84	An SNF2 Protein Associated with Nuclear RNA Silencing and the Spread of a Silencing Signal between Cells in Arabidopsis. Plant Cell, 2007, 19, 1507-1521.	6.6	251
85	Widespread Role for the Flowering-Time Regulators FCA and FPA in RNA-Mediated Chromatin Silencing. Science, 2007, 318, 109-112.	12.6	161
86	New approaches for the analysis of Arabidopsis thaliana small RNAs. Biochimie, 2007, 89, 1252-1256.	2.6	10
87	Amplified Silencing. Science, 2007, 315, 199-200.	12.6	109
88	miRNAs control gene expression in the single-cell alga Chlamydomonas reinhardtii. Nature, 2007, 447, 1126-1129.	27.8	461
89	SDE5, the putative homologue of a human mRNA export factor, is required for transgene silencing and accumulation of trans-acting endogenous siRNA. Plant Journal, 2007, 50, 140-148.	5.7	74
90	David Baulcombe. Current Biology, 2007, 17, R73-R74.	3.9	0

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91	The Polerovirus Silencing Suppressor P0 Targets ARGONAUTE Proteins for Degradation. Current Biology, 2007, 17, 1609-1614.	3.9	341
92	Isolation and Cloning of Small RNAs from Virus-Infected Plants. , 2006, Chapter 16, 16H.2.1-16H.2.17.		11
93	Sequence Analysis of a â€œTrueâ€•Chalcone Synthase (chs_H1) Oligofamily from hop (Humulus lupulusL.) and PAP1 Activation ofchs_H1 in Heterologous Systems. Journal of Agricultural and Food Chemistry, 2006, 54, 7606-7615.	5.2	37
94	Short Silencing RNA: The Dark Matter of Genetics?. Cold Spring Harbor Symposia on Quantitative Biology, 2006, 71, 13-20.	1.1	40
95	Identification oftrans-acting siRNAs in moss and an RNA-dependent RNA polymerase required for their biogenesis. Plant Journal, 2006, 48, 511-521.	5.7	93
96	Elicitor-Mediated Oligomerization of the Tobacco N Disease Resistance Protein. Plant Cell, 2006, 18, 491-501.	6.6	224
97	Defective RNA processing enhances RNA silencing and influences flowering of Arabidopsis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14994-15001.	7.1	172
98	Artificial evolution extends the spectrum of viruses that are targeted by a disease-resistance gene from potato. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18828-18833.	7.1	163
99	Cloning and characterization of micro-RNAs from moss. Plant Journal, 2005, 43, 837-848.	5.7	231
100	Cell-to-cell movement of Potato Potexvirus X is dependent on suppression of RNA silencing. Plant Journal, 2005, 44, 471-482.	5.7	156
101	NRG1, a CC-NB-LRR Protein, together with N, a TIR-NB-LRR Protein, Mediates Resistance against Tobacco Mosaic Virus. Current Biology, 2005, 15, 968-973.	3.9	267
102	RNA silencing. Trends in Biochemical Sciences, 2005, 30, 290-293.	7.5	195
103	Arabidopsis ARGONAUTE1 is an RNA Slicer that selectively recruits microRNAs and short interfering RNAs. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 11928-11933.	7.1	920
104	An RNA-Dependent RNA Polymerase Prevents Meristem Invasion by Potato Virus X and Is Required for the Activity But Not the Production of a Systemic Silencing Signal. Plant Physiology, 2005, 138, 1842-1852.	4.8	438
105	RNAi in Transgenic Plants. Current Protocols in Molecular Biology, 2005, 72, Unit 26.6.	2.9	6
106	RNA Polymerase IV Directs Silencing of Endogenous DNA. Science, 2005, 308, 118-120.	12.6	647
107	Virus-induced gene silencing inSolanumspecies. Plant Journal, 2004, 39, 264-272.	5.7	200
108	RNA silencing in plants. Nature, 2004, 431, 356-363.	27.8	2,314

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109	Crystal structure of p19 ? a universal suppressor of RNA silencing. Trends in Biochemical Sciences, 2004, 29, 279-281.	7.5	66
110	The tomato resistance protein Bs4 is a predicted non-nuclear TIR-NB-LRR protein that mediates defense responses to severely truncated derivatives of AvrBs4 and overexpressed AvrBs3. Plant Journal, 2004, 37, 46-60.	5.7	177
111	Modulation of floral development by a gibberellin-regulated microRNA. Development (Cambridge), 2004, 131, 3357-3365.	2.5	724
112	RNA Silencing Pathways in Plants. Cold Spring Harbor Symposia on Quantitative Biology, 2004, 69, 363-370.	1.1	42
113	High throughput virus-induced gene silencing implicates heat shock protein 90 in plant disease resistance. EMBO Journal, 2003, 22, 5690-5699.	7.8	493
114	Potato virus Y NIa protease activity is not sufficient for elicitation ofRy-mediated disease resistance in potato. Plant Journal, 2003, 36, 755-761.	5.7	41
115	Overview of RNA Interference and Related Processes. Current Protocols in Molecular Biology, 2003, 62, Unit 26.1.	2.9	7
116	Virus-induced gene silencing in plants. Methods, 2003, 30, 296-303.	3.8	415
117	Overcoming and Exploiting RNA Silencing. , 2003, , 48-58.		1
118	Ubiquitin ligase-associated protein SGT1 is required for host and nonhost disease resistance in plants. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10865-10869.	7.1	385
119	Spreading of RNA Targeting and DNA Methylation in RNA Silencing Requires Transcription of the Target Gene and a Putative RNA-Dependent RNA Polymerase. Plant Cell, 2002, 14, 857-867.	6.6	416
120	DNA EVENTS: An RNA Microcosm. Science, 2002, 297, 2002-2003.	12.6	32
121	Viral suppression of systemic silencing. Trends in Microbiology, 2002, 10, 306-308.	7.7	89
122	RNA silencing. Current Biology, 2002, 12, R82-R84.	3.9	138
123	High-resolution genetic map of Nb, a gene that confers hypersensitive resistance to potato virus X in Solanum tuberosum. Theoretical and Applied Genetics, 2002, 105, 192-200.	3.6	21
124	Constitutive gain-of-function mutants in a nucleotide binding site-leucine rich repeat protein encoded at theRxlocus of potato. Plant Journal, 2002, 32, 195-204.	5.7	309
125	An EDS1 orthologue is required for N â€mediated resistance against tobacco mosaic virus. Plant Journal, 2002, 29, 569-579.	5.7	180
126	A saponin-detoxifying enzyme mediates suppression of plant defences. Nature, 2002, 418, 889-892.	27.8	226

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127	The amplicon-plus system for high-level expression of transgenes in plants. Nature Biotechnology, 2002, 20, 622-625.	17.5	98
128	Silencing of a Gene Encoding a Protein Component of the Oxygen-Evolving Complex of Photosystem II Enhances Virus Replication in Plants. Virology, 2002, 295, 307-319.	2.4	121
129	Two classes of short interfering RNA in RNA silencing. EMBO Journal, 2002, 21, 4671-4679.	7.8	865
130	Interaction between domains of a plant NBS-LRR protein in disease resistance-related cell death. EMBO Journal, 2002, 21, 4511-4519.	7.8	391
131	Size constraints for targeting post-transcriptional gene silencing and for RNA-directed methylation inNicotiana benthamianausing a potato virus X vector. Plant Journal, 2001, 25, 417-425.	5.7	203
132	SDE3 encodes an RNA helicase required for post-transcriptional gene silencing in Arabidopsis. EMBO Journal, 2001, 20, 2069-2078.	7.8	306
133	Diced defence. Nature, 2001, 409, 295-296.	27.8	90
134	RNA-directed transcriptional gene silencing in plants can be inherited independently of the RNA trigger and requires Met1 for maintenance. Current Biology, 2001, 11, 747-757.	3.9	358
135	Agrobacterium transient expression system as a tool for the isolation of disease resistance genes: application to the Rx2 locus in potato. Plant Journal, 2000, 21, 73-81.	5.7	288
136	Homologues of a single resistance-gene cluster in potato confer resistance to distinct pathogens: a virus and a nematode. Plant Journal, 2000, 23, 567-576.	5.7	307
137	An Ry-mediated resistance response in potato requires the intact active site of the NIa proteinase from potato virus Y. Plant Journal, 2000, 23, 653-661.	5.7	76
138	Acquisition of multiple virulence/avirulence determinants by potato virus X (PVX) has occurred through convergent evolution rather than through recombination. Virus Genes, 2000, 20, 165-172.	1.6	26
139	Virus-Induced Silencing of a Plant Cellulose Synthase Gene. Plant Cell, 2000, 12, 691-705.	6.6	249
140	Virus-Induced Silencing of a Plant Cellulose Synthase Gene. Plant Cell, 2000, 12, 691.	6.6	25
141	Potato Virus X Amplicons in Arabidopsis Mediate Genetic and Epigenetic Gene Silencing. Plant Cell, 2000, 12, 369-379.	6.6	174
142	Cell-to-Cell Movement of the 25K Protein of Potato virus X Is Regulated by Three Other Viral Proteins. Molecular Plant-Microbe Interactions, 2000, 13, 599-605.	2.6	76
143	A Viral Movement Protein Prevents Spread of the Gene Silencing Signal in Nicotiana benthamiana. Cell, 2000, 103, 157-167.	28.9	591
144	An RNA-Dependent RNA Polymerase Gene in Arabidopsis Is Required for Posttranscriptional Gene Silencing Mediated by a Transgene but Not by a Virus. Cell, 2000, 101, 543-553.	28.9	956

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145	MOLECULAR BIOLOGY: Unwinding RNA Silencing. Science, 2000, 290, 1108-1109.	12.6	51
146	Gene Silencing without DNA: RNA-Mediated Cross-Protection between Viruses. Plant Cell, 1999, 11, 1207-1215.	6.6	426
147	RNA-DNA Interactions and DNA Methylation in Post-Transcriptional Gene Silencing. Plant Cell, 1999, 11, 2291.	6.6	5
148	Resistance to rice yellow mottle virus (RYMV) in cultivated African rice varieties containing RYMV transgenes. Nature Biotechnology, 1999, 17, 702-707.	17.5	87
149	Gene silencing: RNA makes RNA makes no protein. Current Biology, 1999, 9, R599-R601.	3.9	84
150	Fast forward genetics based on virus-induced gene silencing. Current Opinion in Plant Biology, 1999, 2, 109-113.	7.1	585
151	A Species of Small Antisense RNA in Posttranscriptional Gene Silencing in Plants. Science, 1999, 286, 950-952.	12.6	2,663
152	RNAâ€"DNA Interactions and DNA Methylation in Post-Transcriptional Gene Silencing. Plant Cell, 1999, 11, 2291-2301.	6.6	477
153	The Rx Gene from Potato Controls Separate Virus Resistance and Cell Death Responses. Plant Cell, 1999, 11, 781-791.	6.6	650
154	Tight Physical Linkage of the Nematode Resistance Gene Gpa2 and the Virus Resistance Gene Rx on a Single Segment Introgressed from the Wild Species Solanum tuberosum subsp. andigena CPC 1673 into Cultivated Potato. Molecular Plant-Microbe Interactions, 1999, 12, 197-206.	2.6	82
155	The 25-kDa Movement Protein of PVX Elicits Nb-Mediated Hypersensitive Cell Death in Potato. Molecular Plant-Microbe Interactions, 1999, 12, 536-543.	2.6	74
156	Gene Silencing without DNA: RNA-Mediated Cross-Protection between Viruses. Plant Cell, 1999, 11, 1207.	6.6	34
157	Potato virus X amplicon-mediated silencing of nuclear genes. Plant Journal, 1999, 20, 357-362.	5.7	48
158	Viral pathogenicity determinants are suppressors of transgene silencing in Nicotiana benthamiana. EMBO Journal, 1998, 17, 6739-6746.	7.8	947
159	Pathogenâ€derived resistance targeted against the negativeâ€strand RNA of tobacco mosaic virus: RNA strandâ€specific gene silencing?. Plant Journal, 1998, 13, 537-546.	5.7	53
160	Systemic Spread of Sequence-Specific Transgene RNA Degradation in Plants Is Initiated by Localized Introduction of Ectopic Promoterless DNA. Cell, 1998, 95, 177-187.	28.9	674
161	Initiation and Maintenance of Virus-Induced Gene Silencing. Plant Cell, 1998, 10, 937-946.	6.6	896
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164	In Vivo Translation of the Triple Gene Block of Potato Virus X Requires Two Subgenomic mRNAs. Journal of Virology, 1998, 72, 8316-8320.	3.4	87
165	Polygalacturonase-Inhibiting Proteins (PGIPs) with Different Specificities Are Expressed in Phaseolus vulgaris. Molecular Plant-Microbe Interactions, 1997, 10, 852-860.	2.6	112
166	A Similarity Between Viral Defense and Gene Silencing in Plants. Science, 1997, 276, 1558-1560.	12.6	754
167	Systemic signalling in gene silencing. Nature, 1997, 389, 553-553.	27.8	544
168	Consistent gene silencing in transgenic plants expressing a replicating potato virus X RNA. EMBO Journal, 1997, 16, 3675-3684.	7.8	206
169	Concurrent Suppression of Virus Replication and Rescue of Movement-Defective Virus in Transgenic Plants Expressing the Coat Protein of Potato Virus X. Virology, 1997, 236, 76-84.	2.4	24
170	The influence of small changes in transgene transcription on homology-dependent virus resistance and gene silencing. Plant Journal, 1997, 12, 1311-1318.	5.7	23
171	Requirement of sense transcription for homologyâ€dependent virus resistance and <i>transâ€</i>inactivation. Plant Journal, 1997, 12, 597-603.	5.7	118
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173	Ectopic pairing of homologous DNA and post-transcriptional gene silencing in transgenic plants. Current Opinion in Biotechnology, 1996, 7, 173-180.	6.6	134
174	Suppression of Virus Accumulation in Transgenic Plants Exhibiting Silencing of Nuclear Genes. Plant Cell, 1996, 8, 179.	6.6	98
175	Mechanisms of Pathogen-Derived Resistance to Viruses in Transgenic Plants. Plant Cell, 1996, 8, 1833.	6.6	77
176	Mechanisms of Pathogen-Derived Resistance to Viruses in Transgenic Plants.. Plant Cell, 1996, 8, 1833-1844.	6.6	343
177	Cell-to-cell movement of potato virus X revealed by micro-injection of a viral vector tagged with the beta-glucuronidase gene. Plant Journal, 1995, 7, 135-140.	5.7	25
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179	Jellyfish green fluorescent protein as a reporter for virus infections. Plant Journal, 1995, 7, 1045-1053.	5.7	485
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