James C Carrington

List of Publications by Year
in descending order

154 papers	47,511 citations	2203 99 h-index	6979 154 g-index
161 all docs	161 docs citations	161 times ranked	27001 citing authors

#	Article	IF	Citations
1	microRNA-Directed Phasing during Trans-Acting siRNA Biogenesis in Plants. Cell, 2005, 121, 207-221.	13.5	2,091
2	Genome sequencing and analysis of the model grass Brachypodium distachyon. Nature, 2010, 463, 763-768.	13.7	1,685
3	Control of leaf morphogenesis by microRNAs. Nature, 2003, 425, 257-263.	13.7	1,676
4	Role of MicroRNAs in Plant and Animal Development. Science, 2003, 301, 336-338.	6.0	1,659
5	A uniform system for microRNA annotation. Rna, 2003, 9, 277-279.	1.6	1,620
6	Cleavage of Scarecrow-like mRNA Targets Directed by a Class of Arabidopsis miRNA. Science, 2002, 297, 2053-2056.	6.0	1,503
7	Genome sequence and analysis of the Irish potato famine pathogen Phytophthora infestans. Nature, 2009, 461, 393-398.	13.7	1,405
8	Genetic and Functional Diversification of Small RNA Pathways in Plants. PLoS Biology, 2004, 2, e104.	2.6	1,347
9	Criteria for Annotation of Plant MicroRNAs. Plant Cell, 2008, 20, 3186-3190.	3.1	1,158
10	Role of transposable elements in heterochromatin and epigenetic control. Nature, 2004, 430, 471-476.	13.7	1,103
11	High-Throughput Sequencing of Arabidopsis microRNAs: Evidence for Frequent Birth and Death of MIRNA Genes. PLoS ONE, 2007, 2, e219.	1.1	1,100
12	Genome Streamlining in a Cosmopolitan Oceanic Bacterium. Science, 2005, 309, 1242-1245.	6.0	1,034
13	P1/HC-Pro, a Viral Suppressor of RNA Silencing, Interferes with Arabidopsis Development and miRNA Function. Developmental Cell, 2003, 4, 205-217.	3.1	874
14	Endogenous and Silencing-Associated Small RNAs in Plants[W]. Plant Cell, 2002, 14, 1605-1619.	3.1	821
15	Hierarchical Action and Inhibition of Plant Dicer-Like Proteins in Antiviral Defense. Science, 2006, 313, 68-71.	6.0	818
16	The Arabidopsis lyrata genome sequence and the basis of rapid genome size change. Nature Genetics, 2011, 43, 476-481.	9.4	814
17	A Counterdefensive Strategy of Plant Viruses. Cell, 1998, 95, 461-470.	13.5	749
18	Specificity of ARGONAUTE7-miR390 Interaction and Dual Functionality in TAS3 Trans-Acting siRNA Formation. Cell, 2008, 133, 128-141.	13.5	712

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19	Evolution and Functional Diversification of <i>MIRNA</i> Genes. Plant Cell, 2011, 23, 431-442.	3.1	645
20	Specialization and evolution of endogenous small RNA pathways. Nature Reviews Genetics, 2007, 8, 884-896.	7.7	631
21	Expression of Arabidopsis MIRNA Genes. Plant Physiology, 2005, 138, 2145-2154.	2.3	626
22	Evolution of microRNA genes by inverted duplication of target gene sequences in Arabidopsis thaliana. Nature Genetics, 2004, 36, 1282-1290.	9.4	561
23	Repression of <i>AUXIN RESPONSE FACTOR10</i> by microRNA160 is critical for seed germination and postâ€germination stages. Plant Journal, 2007, 52, 133-146.	2.8	548
24	Regulation of AUXIN RESPONSE FACTOR3 by TAS3 ta-siRNA Affects Developmental Timing and Patterning in Arabidopsis. Current Biology, 2006, 16, 939-944.	1.8	545
25	Negative Feedback Regulation of Dicer-Like1 in Arabidopsis by microRNA-Guided mRNA Degradation. Current Biology, 2003, 13, 784-789.	1.8	537
26	PRG-1 and 21U-RNAs Interact to Form the piRNA Complex Required for Fertility in C. elegans. Molecular Cell, 2008, 31, 67-78.	4.5	528
27	DICER-LIKE 4 functions in trans-acting small interfering RNA biogenesis and vegetative phase change in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12984-12989.	3.3	509
28	Viral RNA silencing suppressors inhibit the microRNA pathway at an intermediate step. Genes and Development, 2004, 18, 1179-1186.	2.7	500
29	Plant viral synergism: the potyviral genome encodes a broad-range pathogenicity enhancer that transactivates replication of heterologous viruses.. Plant Cell, 1997, 9, 859-868.	3.1	496
30	RNA Silencing Genes Control de Novo DNA Methylation. Science, 2004, 303, 1336-1336.	6.0	484
31	Genome-Wide Profiling and Analysis of Arabidopsis siRNAs. PLoS Biology, 2007, 5, e57.	2.6	473
32	Cell-to-Cell and Long-Distance Transport of Viruses in Plants.. Plant Cell, 1996, 8, 1669-1681.	3.1	469
33	Silencing on the Spot. Induction and Suppression of RNA Silencing in the Agrobacterium-Mediated Transient Expression System. Plant Physiology, 2001, 126, 930-938.	2.3	469
34	<i>Arabidopsis</i> RNA-Dependent RNA Polymerases and Dicer-Like Proteins in Antiviral Defense and Small Interfering RNA Biogenesis during <i>Turnip Mosaic Virus</i> Infection Â. Plant Cell, 2010, 22, 481-496.	3.1	454
35	Distinct Argonaute-Mediated 22G-RNA Pathways Direct Genome Surveillance in the C. elegans Germline. Molecular Cell, 2009, 36, 231-244.	4.5	449
36	Unique functionality of 22-nt miRNAs in triggering RDR6-dependent siRNA biogenesis from target transcripts in Arabidopsis. Nature Structural and Molecular Biology, 2010, 17, 997-1003.	3.6	448

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37	Small RNA binding is a common strategy to suppress RNA silencing by several viral suppressors. EMBO Journal, 2006, 25, 2768-2780.	3.5	440
38	Sequence and Expression Differences Underlie Functional Specialization of Arabidopsis MicroRNAs miR159 and miR319. Developmental Cell, 2007, 13, 115-125.	3.1	399
39	Genome-Wide Analysis of the RNA-DEPENDENT RNA POLYMERASE6/DICER-LIKE4 Pathway in Arabidopsis Reveals Dependency on miRNA- and tasiRNA-Directed Targeting. Plant Cell, 2007, 19, 926-942.	3.1	381
40	Nuclear transport of plant potyviral proteins.. Plant Cell, 1990, 2, 987-998.	3.1	359
41	Pattern formation via small RNA mobility. Genes and Development, 2009, 23, 549-554.	2.7	358
42	Loss-of-Susceptibility Mutants of Arabidopsis thaliana Reveal an Essential Role for eIF(iso)4E during Potyvirus Infection. Current Biology, 2002, 12, 1046-1051.	1.8	357
43	Formation of plant RNA virus replication complexes on membranes: role of an endoplasmic reticulum-targeted viral protein. EMBO Journal, 1997, 16, 4049-4059.	3.5	356
44	Small RNA Duplexes Function as Mobile Silencing Signals Between Plant Cells. Science, 2010, 328, 912-916.	6.0	323
45	Small RNAs serve as a genetic buffer against genomic shock in <i>Arabidopsis</i> interspecific hybrids and allopolyploids. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17835-17840.	3.3	320
46	Virus-encoded suppressor of posttranscriptional gene silencing targets a maintenance step in the silencing pathway. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13401-13406.	3.3	308
47	Role of Arabidopsis ARGONAUTE4 in RNA-Directed DNA Methylation Triggered by Inverted Repeats. Current Biology, 2004, 14, 1214-1220.	1.8	285
48	Antiviral roles of plant ARGONAUTES. Current Opinion in Plant Biology, 2015, 27, 111-117.	3.5	270
49	Long-distance movement factor: a transport function of the potyvirus helper component proteinase.. Plant Cell, 1995, 7, 549-559.	3.1	269
50	Formation of Complexes at Plasmodesmata for Potyvirus Intercellular Movement Is Mediated by the Viral Protein P3N-PIPO. PLoS Pathogens, 2010, 6, e1000962.	2.1	264
51	Simultaneous <scp>CRISPR</scp>/Cas9â€mediated editing of cassava <i><scp>eIF</scp>4E</i> isoforms <i><scp>nCBP</scp>â€1</i> and <i><scp>nCBP</scp>â€2</i> reduces cassava brown streak disease symptom severity and incidence. Plant Biotechnology Journal, 2019, 17, 421-434.	4.1	256
52	Identification and Characterization of Human Cytomegalovirus-Encoded MicroRNAs. Journal of Virology, 2005, 79, 12095-12099.	1.5	252
53	Functional Analysis of Three <i>Arabidopsis</i> ARGONAUTES Using Slicer-Defective Mutants Â. Plant Cell, 2012, 24, 3613-3629.	3.1	249
54	Expression and Function of Potyviral Gene Products. Annual Review of Phytopathology, 1988, 26, 123-143.	3.5	248

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55	miRNA Target Prediction in Plants. Methods in Molecular Biology, 2010, 592, 51-57.	0.4	246
56	Capsid Protein Determinants Involved in Cell-to-Cell and Long Distance Movement of Tobacco Etch Potyvirus. Virology, 1995, 206, 1007-1016.	1.1	239
57	MicroRNA Gene Evolution in <i>Arabidopsis lyrata</i> and <i>Arabidopsis thaliana</i> Â Â. Plant Cell, 2010, 22, 1074-1089.	3.1	234
58	Tagging of plant potyvirus replication and movement by insertion of beta-glucuronidase into the viral polyprotein.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 10208-10212.	3.3	232
59	Cell-to-Cell and Long-Distance Transport of Viruses in Plants. Plant Cell, 1996, 8, 1669.	3.1	214
60	Genome Amplification and Long-Distance Movement Functions Associated with the Central Domain of Tobacco Etch Potyvirus Helper Componentâ€"Proteinase. Virology, 1997, 228, 251-262.	1.1	214
61	Genetic framework for flowering-time regulation by ambient temperature-responsive miRNAs in Arabidopsis. Nucleic Acids Research, 2010, 38, 3081-3093.	6.5	213
62	A viral cleavage site cassette: identification of amino acid sequences required for tobacco etch virus polyprotein processing.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 3391-3395.	3.3	210
63	A Versatile Phenotyping System and Analytics Platform Reveals Diverse Temporal Responses to Water Availability in Setaria. Molecular Plant, 2015, 8, 1520-1535.	3.9	202
64	Small Nuclear Inclusion Protein Encoded by a Plant Potyvirus Genome Is a Protease. Journal of Virology, 1987, 61, 2540-2548.	1.5	199
65	Green-fluorescent protein fusions for efficient characterization of nuclear targeting. Plant Journal, 1997, 11, 573-586.	2.8	194
66	Cloning of the Arabidopsis RTM1 gene, which controls restriction of long-distance movement of tobacco etch virus. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 489-494.	3.3	193
67	Evidence for common ancestry of a chestnut blight hypovirulence-associated double-stranded RNA and a group of positive-strand RNA plant viruses.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 10647-10651.	3.3	192
68	The 35-kDa protein from the N-terminus of the potyviral polyprotein functions as a third virus-encoded proteinase. Virology, 1991, 185, 527-535.	1.1	192
69	Transcription Factors in Light and Circadian Clock Signaling Networks Revealed by Genomewide Mapping of Direct Targets for Neurospora White Collar Complex. Eukaryotic Cell, 2010, 9, 1549-1556.	3.4	187
70	Arabidopsis <i>RTM1</i> and <i>RTM2</i> Genes Function in Phloem to Restrict Long-Distance Movement of Tobacco Etch Virus. Plant Physiology, 2001, 127, 1667-1675.	2.3	186
71	Long-Distance Movement and Replication Maintenance Functions Correlate with Silencing Suppression Activity of Potyviral HC-Pro. Virology, 2001, 285, 71-81.	1.1	180
72	AGO1-miR173 complex initiates phased siRNA formation in plants. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20055-20062.	3.3	178

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73	A defective interfering RNA that contains a mosaic of a plant virus genome. Cell, 1987, 51, 427-433.	13.5	177
74	Bipartite signal sequence mediates nuclear translocation of the plant potyviral NIa protein.. Plant Cell, 1991, 3, 953-962.	3.1	177
75	Genetic evidence for an essential role for potyvirus CI protein in cell-to-cell movement. Plant Journal, 1998, 14, 393-400.	2.8	175
76	Roles and Programming of Arabidopsis ARGONAUTE Proteins during Turnip Mosaic Virus Infection. PLoS Pathogens, 2015, 11, e1004755.	2.1	175
77	ASRP: the Arabidopsis Small RNA Project Database. Nucleic Acids Research, 2004, 33, D637-D640.	6.5	173
78	5â€² Proximal potyviral sequences mediate potato virus X/potyviral synergistic disease in transgenic tobacco. Virology, 1995, 206, 583-590.	1.1	168
79	Arabidopsis RTM2 Gene Is Necessary for Specific Restriction of Tobacco Etch Virus and Encodes an Unusual Small Heat Shockâ€"like Protein. Plant Cell, 2000, 12, 569-582.	3.1	163
80	The genome structure of turnip crinkle virus. Virology, 1989, 170, 219-226.	1.1	146
81	Multimegabase Silencing in Nucleolar Dominance Involves siRNA-Directed DNA Methylation and Specific Methylcytosine-Binding Proteins. Molecular Cell, 2008, 32, 673-684.	4.5	144
82	Nucleotide sequence and genome organization of carnation mottle virus RNA. Nucleic Acids Research, 1985, 13, 6663-6677.	6.5	143
83	Climate Change and the Integrity of Science. Science, 2010, 328, 689-690.	6.0	143
84	Hiding in plain sight: New virus genomes discovered via a systematic analysis of fungal public transcriptomes. PLoS ONE, 2019, 14, e0219207.	1.1	141
85	Identification of essential residues in potyvirus proteinase HC-pro by site-directed mutagenesis. Virology, 1989, 173, 692-699.	1.1	140
86	Strain-Specific Interaction of the Tobacco Etch Virus NIa Protein with the Translation Initiation Factor eIF4E in the Yeast Two-Hybrid System. Virology, 2000, 273, 300-306.	1.1	138
87	Diverse suppressors of RNA silencing enhance agroinfection by a viral replicon. Virology, 2006, 346, 7-14.	1.1	137
88	Identification of <i>MIR390a</i> precursor processing-defective mutants in Arabidopsis by direct genome sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 466-471.	3.3	137
89	CG gene body DNA methylation changes and evolution of duplicated genes in cassava. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13729-13734.	3.3	129
90	Suppressor of RNA silencing encoded by Beet yellows virus. Virology, 2003, 306, 203-209.	1.1	128

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91	<i>mut-16</i> and other <i>mutator</i> class genes modulate 22G and 26G siRNA pathways in <i>Caenorhabditis elegans</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1201-1208.	3.3	128
92	The tobacco etch potyvirus 6-kilodalton protein is membrane associated and involved in viral replication. Journal of Virology, 1994, 68, 2388-2397.	1.5	126
93	Internal cleavage and trans-proteolytic activities of the VPg-proteinase (NIa) of tobacco etch potyvirus in vivo. Journal of Virology, 1993, 67, 6995-7000.	1.5	122
94	New Generation of Artificial MicroRNA and Synthetic Trans-Acting Small Interfering RNA Vectors for Efficient Gene Silencing in Arabidopsis. Plant Physiology, 2014, 165, 15-29.	2.3	119
95	Mutations in the Region Encoding the Central Domain of Helper Component-Proteinase (HC-Pro) Eliminate Potato Virus X/Potyviral Synergism. Virology, 1997, 231, 35-42.	1.1	118
96	Identification and characterization of a locus (RTM1) that restricts long-distance movement of tobacco etch virus in Arabidopsis thaliana. Plant Journal, 1998, 14, 177-186.	2.8	114
97	Computational and analytical framework for small RNA profiling by high-throughput sequencing. Rna, 2009, 15, 992-1002.	1.6	112
98	Small RNA-Based Antiviral Defense in the Phytopathogenic Fungus Colletotrichum higginsianum. PLoS Pathogens, 2016, 12, e1005640.	2.1	112
99	Regulation and functional specialization of small RNAâ€“target nodes during plant development. Current Opinion in Plant Biology, 2009, 12, 622-627.	3.5	111
100	Transgenically expressed viral RNA silencing suppressors interfere with microRNA methylation inArabidopsis. FEBS Letters, 2006, 580, 3117-3120.	1.3	107
101	Turnip crinkle virus infection from RNA synthesized in Vitro. Virology, 1989, 170, 214-218.	1.1	100
102	Specific Argonautes Selectively Bind Small RNAs Derived from Potato Spindle Tuber Viroid and Attenuate Viroid Accumulation <i>In Vivo</i>. Journal of Virology, 2014, 88, 11933-11945.	1.5	97
103	Host-Specific Involvement of the HC Protein in the Long-Distance Movement of Potyviruses. Journal of Virology, 2002, 76, 1922-1931.	1.5	95
104	Processing of the tobacco etch virus 49K protease requires autoproteolysis. Virology, 1987, 160, 355-362.	1.1	94
105	Activation and Suppression of RNA Silencing by Plant Viruses. Virology, 2001, 281, 1-5.	1.1	94
106	Selectable viruses and altered susceptibility mutants in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 772-777.	3.3	92
107	<i>RTM3</i>, Which Controls Long-Distance Movement of Potyviruses, Is a Member of a New Plant Gene Family Encoding a Meprin and TRAF Homology Domain-Containing Protein. Plant Physiology, 2010, 154, 222-232.	2.3	91
108	Genome-wide profiling of Populus small RNAs. BMC Genomics, 2009, 10, 620.	1.2	90

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109	Mutational analysis of the tobacco etch potyviral 35-kDa proteinase: Identification of essential residues and requirements for autoproteolysis. Virology, 1992, 190, 298-306.	1.1	88
110	Phytophthora Have Distinct Endogenous Small RNA Populations That Include Short Interfering and microRNAs. PLoS ONE, 2013, 8, e77181.	1.1	88
111	Distinct Expression Patterns of Natural Antisense Transcripts in Arabidopsis. Plant Physiology, 2007, 144, 1247-1255.	2.3	84
112	Characterization of the potyviral HC-pro autoproteolytic cleavage site. Virology, 1992, 187, 308-315.	1.1	81
113	Virus-Derived Gene Expression and RNA Interference Vector for Grapevine. Journal of Virology, 2012, 86, 6002-6009.	1.5	78
114	Requirement for HC-Pro Processing during Genome Amplification of Tobacco Etch Potyvirus. Virology, 1995, 209, 268-273.	1.1	77
115	The ERI-6/7 Helicase Acts at the First Stage of an siRNA Amplification Pathway That Targets Recent Gene Duplications. PLoS Genetics, 2011, 7, e1002369.	1.5	74
116	Complementation of tobacco etch potyvirus mutants by active RNA polymerase expressed in transgenic cells.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 457-461.	3.3	71
117	Update of ASRP: the Arabidopsis Small RNA Project database. Nucleic Acids Research, 2007, 36, D982-D985.	6.5	70
118	ARGONAUTE PIWI domain and microRNA duplex structure regulate small RNA sorting in Arabidopsis. Nature Communications, 2014, 5, 5468.	5.8	69
119	Raspberry Piâ€“powered imaging for plant phenotyping. Applications in Plant Sciences, 2018, 6, e1031.	0.8	68
120	Parallel analysis of RNA ends enhances global investigation of microRNAs and target RNAs of Brachypodium distachyon. Genome Biology, 2013, 14, R145.	13.9	67
121	P-SAMS: a web site for plant artificial microRNA and synthetic <i>trans</i>-acting small interfering RNA design. Bioinformatics, 2016, 32, 157-158.	1.8	67
122	GENE-Counter: A Computational Pipeline for the Analysis of RNA-Seq Data for Gene Expression Differences. PLoS ONE, 2011, 6, e25279.	1.1	66
123	Identification of genes required for de novo DNA methylation in Arabidopsis. Epigenetics, 2011, 6, 344-354.	1.3	64
124	Viral invasion and host defense: strategies and counter-strategies. Current Opinion in Plant Biology, 1998, 1, 336-341.	3.5	63
125	Secondary Structures in the Capsid Protein Coding Sequence and 3â€² Nontranslated Region Involved in Amplification of the Tobacco Etch Virus Genome. Journal of Virology, 1998, 72, 4072-4079.	1.5	60
126	Long-Distance Movement Factor: A Transport Function of the Potyvirus Helper Component Proteinase. Plant Cell, 1995, 7, 549.	3.1	57

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127	Functional Analysis of the Interaction between VPg-Proteinase (NIa) and RNA Polymerase (NIb) of Tobacco Etch Potyvirus, Using Conditional and Suppressor Mutants. Journal of Virology, 1999, 73, 8732-8740.	1.5	57
128	RNA Binding Activity of NIa Proteinase of Tobacco Etch Potyvirus. Virology, 1997, 237, 327-336.	1.1	55
129	The Caenorhabditis elegans RDE-10/RDE-11 Complex Regulates RNAi by Promoting Secondary siRNA Amplification. Current Biology, 2012, 22, 881-890.	1.8	49
130	Loss of CMD2â€mediated resistance to cassava mosaic disease in plants regenerated through somatic embryogenesis. Molecular Plant Pathology, 2016, 17, 1095-1110.	2.0	48
131	Highly specific gene silencing in a monocot species by artificial micro<scp>RNA</scp>s derived from chimeric <i>mi<scp>RNA</scp></i> precursors. Plant Journal, 2015, 82, 1061-1075.	2.8	45
132	Carnation Mottle Virus and Viruses with Similar Properties. , 1988, , 73-112.		43
133	Rapid detection of plant RNA viruses by dot blot hybridization. Plant Molecular Biology Reporter, 1983, 1, 21-25.	1.0	27
134	Differential response of cassava genotypes to infection by cassava mosaic geminiviruses. Virus Research, 2017, 227, 69-81.	1.1	26
135	Moving targets. Nature, 2000, 408, 150-151.	13.7	25
136	Biologically active cymbidium ringspot virus satellite RNA in transgenic plants suppresses accumulation of DI RNA. Virology, 1992, 188, 429-437.	1.1	24
137	NIa and NIb of Peanut Stripe Potyvirus Are Present in the Nucleus of Infected Cells, but Do Not Form Inclusions. Virology, 1996, 224, 368-379.	1.1	23
138	An International Bioinformatics Infrastructure to Underpin the <i>Arabidopsis</i> Community. Plant Cell, 2010, 22, 2530-2536.	3.1	23
139	Nuclear Transport of Tobacco Etch Potyviral RNA-Dependent RNA Polymerase Is Highly Sensitive to Sequence Alterations. Virology, 1993, 193, 951-958.	1.1	22
140	Antiviral ARGONAUTEs Against <i>Turnip Crinkle Virus</i> Revealed by Image-Based Trait Analysis. Plant Physiology, 2019, 180, 1418-1435.	2.3	22
141	Reinventing plant virus movement. Trends in Microbiology, 1999, 7, 312-313.	3.5	15
142	Vectors for cell-free expression and mutagenesis of protein-coding sequences. Nucleic Acids Research, 1987, 15, 10066-10066.	6.5	13
143	Small RNAs and Arabidopsis. A Fast Forward Look. Plant Physiology, 2005, 138, 565-566.	2.3	12
144	Splicing and dicing with a <i>SERRATE</i> d edge. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8489-8490.	3.3	12

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145	Fast-forward generation of effective artificial small RNAs for enhanced antiviral defense in plants. RNA & Disease (Houston, Tex), 0, , .	1.0	11
146	Fast-forward generation of effective artificial small RNAs for enhanced antiviral defense in plants. RNA & Disease (Houston, Tex), 2016, 3, .	1.0	8
147	Preparation of Multiplexed Small RNA Libraries from Plants. Bio-protocol, 2014, 4, .	0.2	7
148	Genome studies and molecular geneticsThe consequences of gene and genome duplication in plants. Current Opinion in Plant Biology, 2005, 8, 119-121.	3.5	6
149	Sequence and Expression Differences Underlie Functional Specialization of Arabidopsis MicroRNAs miR159 and miR319. Developmental Cell, 2019, 51, 129.	3.1	5
150	Functional dissection of the <i><scp>ARGONAUTE</scp>7</i> promoter. Plant Direct, 2019, 3, e00102.	0.8	4
151	The Personal Sequence Database: a suite of tools to create and maintain web-accessible sequence databases. BMC Bioinformatics, 2007, 8, 479.	1.2	3
152	Bipartite Signal Sequence Mediates Nuclear Translocation of the Plant Potyviral NIa Protein. Plant Cell, 1991, 3, 953.	3.1	2
153	Chapter 20 Targeting of Proteins to the Nucleus. Methods in Cell Biology, 1995, 50, 283-294.	0.5	2
154	Arabidopsis RTM2 Gene Is Necessary for Specific Restriction of Tobacco Etch Virus and Encodes an Unusual Small Heat Shock-Like Protein. Plant Cell, 2000, 12, 569.	3.1	1