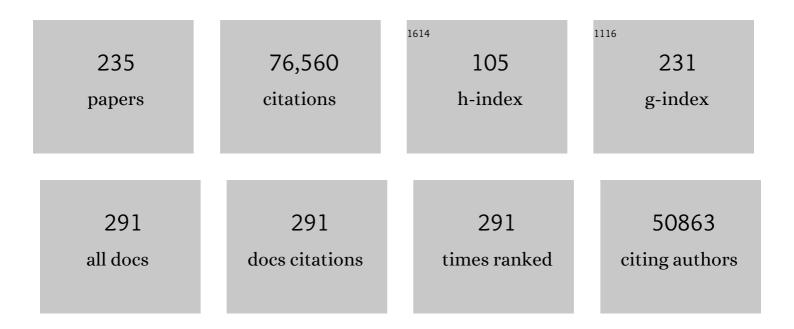
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	CRISPR–Cas9-mediated nuclear transport and genomic integration of nanostructured genes in human primary cells. Nucleic Acids Research, 2022, 50, 1256-1268.	14.5	39
2	Species- and site-specific genome editing in complex bacterial communities. Nature Microbiology, 2022, 7, 34-47.	13.3	127
3	Chimeric CRISPR-CasX enzymes and guide RNAs for improved genome editing activity. Molecular Cell, 2022, 82, 1199-1209.e6.	9.7	29
4	Neutralizing immunity in vaccine breakthrough infections from the SARS-CoV-2 Omicron and Delta variants. Cell, 2022, 185, 1539-1548.e5.	28.9	126
5	A functional map of HIV-host interactions in primary human T cells. Nature Communications, 2022, 13, 1752.	12.8	27
6	CRISPR–Cas9 bends and twists DNA to read its sequence. Nature Structural and Molecular Biology, 2022, 29, 395-402.	8.2	37
7	Crystal structure of an RNA/DNA strand exchange junction. PLoS ONE, 2022, 17, e0263547.	2.5	3
8	Structural biology of CRISPR–Cas immunity and genome editing enzymes. Nature Reviews Microbiology, 2022, 20, 641-656.	28.6	78
9	Limited cross-variant immunity from SARS-CoV-2 Omicron without vaccination. Nature, 2022, 607, 351-355.	27.8	143
10	A naturally DNase-free CRISPR-Cas12c enzyme silences gene expression. Molecular Cell, 2022, 82, 2148-2160.e4.	9.7	25
11	Amplification-free detection of SARS-CoV-2 with CRISPR-Cas13a and mobile phone microscopy. Cell, 2021, 184, 323-333.e9.	28.9	613
12	Controlling and enhancing CRISPR systems. Nature Chemical Biology, 2021, 17, 10-19.	8.0	108
13	Massively parallel kinetic profiling of natural and engineered CRISPR nucleases. Nature Biotechnology, 2021, 39, 84-93.	17.5	80
14	Genome-resolved metagenomics reveals site-specific diversity of episymbiotic CPR bacteria and DPANN archaea in groundwater ecosystems. Nature Microbiology, 2021, 6, 354-365.	13.3	109
15	Human Molecular Genetics and Genomics — Important Advances and Exciting Possibilities. New England Journal of Medicine, 2021, 384, 1-4.	27.0	37
16	Quantification of Cas9 binding and cleavage across diverse guide sequences maps landscapes of target engagement. Science Advances, 2021, 7, .	10.3	28
17	Cancer-specific loss of <i>TERT</i> activation sensitizes glioblastoma to DNA damage. Proceedings of the United States of America, 2021, 118, .	7.1	28
18	The NIH Somatic Cell Genome Editing program. Nature, 2021, 592, 195-204.	27.8	84

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19	Structural coordination between active sites of a CRISPR reverse transcriptase-integrase complex. Nature Communications, 2021, 12, 2571.	12.8	12
20	Launching a saliva-based SARS-CoV-2 surveillance testing program on a university campus. PLoS ONE, 2021, 16, e0251296.	2.5	15
21	Targeted delivery of CRISPR-Cas9 and transgenes enables complex immune cell engineering. Cell Reports, 2021, 35, 109207.	6.4	91
22	DNA interference states of the hypercompact CRISPR–CasΦ effector. Nature Structural and Molecular Biology, 2021, 28, 652-661.	8.2	50
23	Accelerated RNA detection using tandem CRISPR nucleases. Nature Chemical Biology, 2021, 17, 982-988.	8.0	135
24	Robotic RNA extraction for SARS-CoV-2 surveillance using saliva samples. PLoS ONE, 2021, 16, e0255690.	2.5	14
25	Synthesis of Multi-Protein Complexes through Charge-Directed Sequential Activation of Tyrosine Residues. Journal of the American Chemical Society, 2021, 143, 13538-13547.	13.7	18
26	Kinetic analysis of Cas12a and Cas13a RNA-Guided nucleases for development of improved CRISPR-Based diagnostics. IScience, 2021, 24, 102996.	4.1	57
27	Comprehensive deletion landscape of CRISPR-Cas9 identifies minimal RNA-guided DNA-binding modules. Nature Communications, 2021, 12, 5664.	12.8	25
28	OUP accepted manuscript. Nucleic Acids Research, 2021, 49, 3546-3556.	14.5	9
29	LuNER: Multiplexed SARS-CoV-2 detection in clinical swab and wastewater samples. PLoS ONE, 2021, 16, e0258263.	2.5	5
30	Optimizing COVID-19 control with asymptomatic surveillance testing in a university environment. Epidemics, 2021, 37, 100527.	3.0	21
31	Rapid assessment of SARS-CoV-2–evolved variants using virus-like particles. Science, 2021, 374, 1626-1632.	12.6	216
32	CRISPR-Casî from huge phages is a hypercompact genome editor. Science, 2020, 369, 333-337.	12.6	352
33	Engineering of monosized lipid-coated mesoporous silica nanoparticles for CRISPR delivery. Acta Biomaterialia, 2020, 114, 358-368.	8.3	62
34	DNA capture by a CRISPR-Cas9–guided adenine base editor. Science, 2020, 369, 566-571.	12.6	114
35	Chemistry of Class 1 CRISPR-Cas effectors: Binding, editing, and regulation. Journal of Biological Chemistry, 2020, 295, 14473-14487.	3.4	49
36	Site-Specific Bioconjugation through Enzyme-Catalyzed Tyrosine–Cysteine Bond Formation. ACS Central Science, 2020, 6, 1564-1571.	11.3	60

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37	Blueprint for a pop-up SARS-CoV-2 testing lab. Nature Biotechnology, 2020, 38, 791-797.	17.5	50
38	Phage-assisted evolution of an adenine base editor with improved Cas domain compatibility and activity. Nature Biotechnology, 2020, 38, 883-891.	17.5	502
39	Potent CRISPR-Cas9 inhibitors from <i>Staphylococcus</i> genomes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 6531-6539.	7.1	47
40	Cas9 interrogates DNA in discrete steps modulated by mismatches and supercoiling. Proceedings of the United States of America, 2020, 117, 5853-5860.	7.1	62
41	A scoutRNA Is Required for Some Type V CRISPR-Cas Systems. Molecular Cell, 2020, 79, 416-424.e5.	9.7	49
42	Clades of huge phages from across Earth's ecosystems. Nature, 2020, 578, 425-431.	27.8	331
43	The promise and challenge of therapeutic genome editing. Nature, 2020, 578, 229-236.	27.8	599
44	Knocking out barriers to engineered cell activity. Science, 2020, 367, 976-977.	12.6	10
45	Machine learning predicts new anti-CRISPR proteins. Nucleic Acids Research, 2020, 48, 4698-4708.	14.5	70
46	CRISPR-Cas12a exploits R-loop asymmetry to form double-strand breaks. ELife, 2020, 9, .	6.0	80
47	Attachment of a 32P-phosphate to the 3′ Terminus of a DNA Oligonucleotide. Bio-protocol, 2020, 10, e3787.	0.4	0
48	Target preference of Type III-A CRISPR-Cas complexes at the transcription bubble. Nature Communications, 2019, 10, 3001.	12.8	40
49	CRISPR's unwanted anniversary. Science, 2019, 366, 777-777.	12.6	12
50	A Functional Mini-Integrase in a Two-Protein Type V-C CRISPR System. Molecular Cell, 2019, 73, 727-737.e3.	9.7	22
51	Spacer Acquisition Rates Determine the Immunological Diversity of the Type II CRISPR-Cas Immune Response. Cell Host and Microbe, 2019, 25, 242-249.e3.	11.0	24
52	Inhibition of CRISPR-Cas9 ribonucleoprotein complex assembly by anti-CRISPR AcrIIC2. Nature Communications, 2019, 10, 2806.	12.8	50
53	Controlling CRISPR-Cas9 with ligand-activated and ligand-deactivated sgRNAs. Nature Communications, 2019, 10, 2127.	12.8	133
54	Deciphering Off-Target Effects in CRISPR-Cas9 through Accelerated Molecular Dynamics. ACS Central Science, 2019, 5, 651-662.	11.3	99

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55	Nontoxic nanopore electroporation for effective intracellular delivery of biological macromolecules. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7899-7904.	7.1	120
56	Broad-spectrum enzymatic inhibition of CRISPR-Cas12a. Nature Structural and Molecular Biology, 2019, 26, 315-321.	8.2	99
57	The NAI Fellow Profile: An Interview with Dr. Jennifer Doudna. Technology and Innovation, 2019, 20, 475-481.	0.2	0
58	Reply to Nathamgari et al.: Nanopore electroporation for intracellular delivery of biological macromolecules. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22911-22911.	7.1	4
59	CRISPR–Cas9 genome engineering of primary CD4+ T cells for the interrogation of HIV–host factor interactions. Nature Protocols, 2019, 14, 1-27.	12.0	98
60	Temperature-Responsive Competitive Inhibition of CRISPR-Cas9. Molecular Cell, 2019, 73, 601-610.e5.	9.7	67
61	CRISPR-Cas9 Circular Permutants as Programmable Scaffolds for Genome Modification. Cell, 2019, 176, 254-267.e16.	28.9	73
62	CasX enzymes comprise a distinct family of RNA-guided genome editors. Nature, 2019, 566, 218-223.	27.8	346
63	Structural basis for AcrVA4 inhibition of specific CRISPR-Cas12a. ELife, 2019, 8, .	6.0	41
64	CRISPR System: From Adaptive Immunity to Genome Editing. , 2019, , 81-116.		0
65	Receptor-Mediated Delivery of CRISPR-Cas9 Endonuclease for Cell-Type-Specific Gene Editing. Journal of the American Chemical Society, 2018, 140, 6596-6603.	13.7	127
66	CRISPR-Cas12a target binding unleashes indiscriminate single-stranded DNase activity. Science, 2018, 360, 436-439.	12.6	2,355
67	Programmable RNA recognition using a CRISPR-associated Argonaute. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3368-3373.	7.1	41
68	Genomes in Focus: Development and Applications of CRISPRâ€Cas9 Imaging Technologies. Angewandte Chemie - International Edition, 2018, 57, 4329-4337.	13.8	67
69	Genome im Fokus: Entwicklung und Anwendungen von CRISPR as9â€Bildgebungstechnologien. Angewandte Chemie, 2018, 130, 4412-4420.	2.0	7
70	A Unified Resource for Tracking Anti-CRISPR Names. CRISPR Journal, 2018, 1, 304-305.	2.9	94
71	Programmed DNA destruction by miniature CRISPR-Cas14 enzymes. Science, 2018, 362, 839-842.	12.6	757
72	Systematic discovery of natural CRISPR-Cas12a inhibitors. Science, 2018, 362, 236-239.	12.6	174

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#	Article	IF	CITATIONS
73	Key role of the REC lobe during CRISPR–Cas9 activation by â€~sensing', â€~regulating', and â€~lockingâ catalytic HNH domain. Quarterly Reviews of Biophysics, 2018, 51, .	€™ the 5.7	79
74	Disruption of the β1L Isoform of GABP Reverses Glioblastoma Replicative Immortality in a TERT Promoter Mutation-Dependent Manner. Cancer Cell, 2018, 34, 513-528.e8.	16.8	103
75	CRISPR-Cas guides the future of genetic engineering. Science, 2018, 361, 866-869.	12.6	1,024
76	RNA-dependent RNA targeting by CRISPR-Cas9. ELife, 2018, 7, .	6.0	152
77	The Psychiatric Cell Map Initiative: A Convergent Systems Biological Approach to Illuminating Key Molecular Pathways in Neuropsychiatric Disorders. Cell, 2018, 174, 505-520.	28.9	108
78	RNA Binding and HEPN-Nuclease Activation Are Decoupled in CRISPR-Cas13a. Cell Reports, 2018, 24, 1025-1036.	6.4	108
79	Applications of CRISPR-Cas Enzymes in Cancer Therapeutics and Detection. Trends in Cancer, 2018, 4, 499-512.	7.4	89
80	Efficient genome editing in the mouse brain by local delivery of engineered Cas9 ribonucleoprotein complexes. Nature Biotechnology, 2017, 35, 431-434.	17.5	278
81	RNA-based recognition and targeting: sowing the seeds of specificity. Nature Reviews Molecular Cell Biology, 2017, 18, 215-228.	37.0	167
82	Targeted gene knock-in by homology-directed genome editing using Cas9 ribonucleoprotein and AAV donor delivery. Nucleic Acids Research, 2017, 45, e98-e98.	14.5	72
83	High-throughput biochemical profiling reveals sequence determinants of dCas9 off-target binding and unbinding. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5461-5466.	7.1	165
84	RNA Targeting by Functionally Orthogonal Type VI-A CRISPR-Cas Enzymes. Molecular Cell, 2017, 66, 373-383.e3.	9.7	229
85	CRISPR–Cas9 Structures and Mechanisms. Annual Review of Biophysics, 2017, 46, 505-529.	10.0	1,289
86	Mutations in Cas9 Enhance the Rate of Acquisition of Viral Spacer Sequences during the CRISPR-Cas Immune Response. Molecular Cell, 2017, 65, 168-175.	9.7	47
87	New CRISPR–Cas systems from uncultivated microbes. Nature, 2017, 542, 237-241.	27.8	471
88	Cornerstones of CRISPR–Cas in drug discovery and therapy. Nature Reviews Drug Discovery, 2017, 16, 89-100.	46.4	370
89	Nanoparticle delivery of Cas9 ribonucleoprotein and donor DNA in vivo induces homology-directed DNA repair. Nature Biomedical Engineering, 2017, 1, 889-901.	22.5	566
90	The chemistry of Cas9 and its CRISPR colleagues. Nature Reviews Chemistry, 2017, 1, .	30.2	111

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91	CRISPR System: From Adaptive Immunity to Genome Editing. Molecular Frontiers Journal, 2017, 01, 76-91.	1.1	0
92	A Broad-Spectrum Inhibitor of CRISPR-Cas9. Cell, 2017, 170, 1224-1233.e15.	28.9	211
93	Enhanced proofreading governs CRISPR–Cas9 targeting accuracy. Nature, 2017, 550, 407-410.	27.8	901
94	Guide-bound structures of an RNA-targeting A-cleaving CRISPR–Cas13a enzyme. Nature Structural and Molecular Biology, 2017, 24, 825-833.	8.2	118
95	Disabling Cas9 by an anti-CRISPR DNA mimic. Science Advances, 2017, 3, e1701620.	10.3	289
96	A conformational checkpoint between DNA binding and cleavage by CRISPR-Cas9. Science Advances, 2017, 3, eaao0027.	10.3	211
97	Structures of the CRISPR genome integration complex. Science, 2017, 357, 1113-1118.	12.6	120
98	CRISPR-Cpf1 mediates efficient homology-directed repair and temperature-controlled genome editing. Nature Communications, 2017, 8, 2024.	12.8	232
99	Widespread Translational Remodeling during Human Neuronal Differentiation. Cell Reports, 2017, 21, 2005-2016.	6.4	128
100	A thermostable Cas9 with increased lifetime in human plasma. Nature Communications, 2017, 8, 1424.	12.8	142
101	Selective stalling of human translation through small-molecule engagement of the ribosome nascent chain. PLoS Biology, 2017, 15, e2001882.	5.6	104
102	RNA and DNA Targeting by a Reconstituted Thermus thermophilus Type III-A CRISPR-Cas System. PLoS ONE, 2017, 12, e0170552.	2.5	81
103	DNA recognition by an RNA-guided bacterial Argonaute. PLoS ONE, 2017, 12, e0177097.	2.5	49
104	Nucleosome breathing and remodeling constrain CRISPR-Cas9 function. ELife, 2016, 5, .	6.0	193
105	Insights into HIV-1 proviral transcription from integrative structure and dynamics of the Tat:AFF4:P-TEFb:TAR complex. ELife, 2016, 5, .	6.0	43
106	CRISPR Immunological Memory Requires a Host Factor for Specificity. Molecular Cell, 2016, 62, 824-833.	9.7	148
107	A bacterial Argonaute with noncanonical guide RNA specificity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4057-4062.	7.1	122
108	Profiling of engineering hotspots identifies an allosteric CRISPR-Cas9 switch. Nature Biotechnology, 2016, 34, 646-651.	17.5	180

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109	Protecting genome integrity during CRISPR immune adaptation. Nature Structural and Molecular Biology, 2016, 23, 876-883.	8.2	70
110	Applications of CRISPR technologies in research and beyond. Nature Biotechnology, 2016, 34, 933-941.	17.5	735
111	Two distinct RNase activities of CRISPR-C2c2 enable guide-RNA processing and RNA detection. Nature, 2016, 538, 270-273.	27.8	854
112	DNA Targeting by a Minimal CRISPR RNA-Guided Cascade. Molecular Cell, 2016, 63, 840-851.	9.7	75
113	Foreign DNA capture during CRISPR–Cas adaptive immunity. Nature, 2016, 534, S13-S14.	27.8	1
114	ATAC-see reveals the accessible genome by transposase-mediated imaging and sequencing. Nature Methods, 2016, 13, 1013-1020.	19.0	199
115	A Cas9 Ribonucleoprotein Platform for Functional Genetic Studies of HIV-Host Interactions in Primary Human T Cells. Cell Reports, 2016, 17, 1438-1452.	6.4	167
116	Real-time observation of DNA recognition and rejection by the RNA-guided endonuclease Cas9. Nature Communications, 2016, 7, 12778.	12.8	221
117	Biology and Applications of CRISPR Systems: Harnessing Nature's Toolbox for Genome Engineering. Cell, 2016, 164, 29-44.	28.9	889
118	Structures of a CRISPR-Cas9 R-loop complex primed for DNA cleavage. Science, 2016, 351, 867-871.	12.6	512
119	Programmable RNA Tracking in Live Cells with CRISPR/Cas9. Cell, 2016, 165, 488-496.	28.9	455
120	Analog sensitive chemical inhibition of the <scp>DEAD</scp> â€box protein <scp>DDX</scp> 3. Protein Science, 2016, 25, 638-649.	7.6	14
121	Chemical and Biophysical Modulation of Cas9 for Tunable Genome Engineering. ACS Chemical Biology, 2016, 11, 681-688.	3.4	83
122	Autoinhibitory Interdomain Interactions and Subfamily-specific Extensions Redefine the Catalytic Core of the Human DEAD-box Protein DDX3. Journal of Biological Chemistry, 2016, 291, 2412-2421.	3.4	71
123	Medulloblastoma-associated DDX3 variant selectively alters the translational response to stress. Oncotarget, 2016, 7, 28169-28182.	1.8	62
124	Tunable protein synthesis by transcript isoforms in human cells. ELife, 2016, 5, .	6.0	238
125	Reconstitution of selective HIV-1 RNA packaging in vitro by membrane-bound Gag assemblies. ELife, 2016, 5, .	6.0	36
126	Genome editing: the end of the beginning. Genome Biology, 2015, 16, 292.	8.8	15

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127	Genome-editing revolution: My whirlwind year with CRISPR. Nature, 2015, 528, 469-471.	27.8	36
128	Expanding the Biologist's Toolkit with CRISPR-Cas9. Molecular Cell, 2015, 58, 568-574.	9.7	351
129	Structures of the CRISPR-Cmr complex reveal mode of RNA target positioning. Science, 2015, 348, 581-585.	12.6	126
130	Get in LINE: Competition for Newly Minted Retrotransposon Proteins at the Ribosome. Molecular Cell, 2015, 60, 712-714.	9.7	3
131	Dynamics of CRISPR-Cas9 genome interrogation in living cells. Science, 2015, 350, 823-826.	12.6	301
132	Dicer-TRBP Complex Formation Ensures Accurate Mammalian MicroRNA Biogenesis. Molecular Cell, 2015, 57, 397-407.	9.7	209
133	Integrase-mediated spacer acquisition during CRISPR–Cas adaptive immunity. Nature, 2015, 519, 193-198.	27.8	295
134	Rational design of a split-Cas9 enzyme complex. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2984-2989.	7.1	255
135	Genomic Engineering and the Future of Medicine. JAMA - Journal of the American Medical Association, 2015, 313, 791.	7.4	25
136	The structural biology of CRISPR-Cas systems. Current Opinion in Structural Biology, 2015, 30, 100-111.	5.7	137
137	Generation of knock-in primary human T cells using Cas9 ribonucleoproteins. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10437-10442.	7.1	600
138	A Cas9–guide RNA complex preorganized for target DNA recognition. Science, 2015, 348, 1477-1481.	12.6	463
139	CRISPR germline engineering—the community speaks. Nature Biotechnology, 2015, 33, 478-486.	17.5	110
140	A prudent path forward for genomic engineering and germline gene modification. Science, 2015, 348, 36-38.	12.6	541
141	Conformational control of DNA target cleavage by CRISPR–Cas9. Nature, 2015, 527, 110-113.	27.8	514
142	Single-Stranded DNA Cleavage by Divergent CRISPR-Cas9 Enzymes. Molecular Cell, 2015, 60, 398-407.	9.7	94
143	Foreign DNA capture during CRISPR–Cas adaptive immunity. Nature, 2015, 527, 535-538.	27.8	169
144	Surveillance and Processing of Foreign DNA by the Escherichia coli CRISPR-Cas System. Cell, 2015, 163, 854-865.	28.9	177

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145	Ancient Origin of cGAS-STING Reveals Mechanism of Universal 2′,3′ cGAMP Signaling. Molecular Cell, 2015, 59, 891-903.	9.7	224
146	Cutting it close: CRISPR-associated endoribonuclease structure and function. Trends in Biochemical Sciences, 2015, 40, 58-66.	7.5	116
147	Enhanced homology-directed human genome engineering by controlled timing of CRISPR/Cas9 delivery. ELife, 2014, 3, e04766.	6.0	968
148	RNA-guided assembly of Rev-RRE nuclear export complexes. ELife, 2014, 3, e03656.	6.0	81
149	Evolution of CRISPR RNA recognition and processing by Cas6 endonucleases. Nucleic Acids Research, 2014, 42, 1341-1353.	14.5	68
150	The new frontier of genome engineering with CRISPR-Cas9. Science, 2014, 346, 1258096.	12.6	4,828
151	Preface. Methods in Enzymology, 2014, 546, xix-xx.	1.0	29
152	New tools provide a second look at HDV ribozyme structure, dynamics and cleavage. Nucleic Acids Research, 2014, 42, 12833-12846.	14.5	38
153	Structures of Cas9 Endonucleases Reveal RNA-Mediated Conformational Activation. Science, 2014, 343, 1247997.	12.6	938
154	CasA mediates Cas3-catalyzed target degradation during CRISPR RNA-guided interference. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6618-6623.	7.1	206
155	Insights into RNA structure and function from genome-wide studies. Nature Reviews Genetics, 2014, 15, 469-479.	16.3	384
156	DNA interrogation by the CRISPR RNA-guided endonuclease Cas9. Nature, 2014, 507, 62-67.	27.8	1,573
157	RNA Targeting by the Type III-A CRISPR-Cas Csm Complex of Thermus thermophilus. Molecular Cell, 2014, 56, 518-530.	9.7	267
158	Evolutionarily Conserved Roles of the Dicer Helicase Domain in Regulating RNA Interference Processing. Journal of Biological Chemistry, 2014, 289, 28352-28362.	3.4	17
159	Structure-Guided Reprogramming of Human cGAS Dinucleotide Linkage Specificity. Cell, 2014, 158, 1011-1021.	28.9	111
160	Programmable RNA recognition and cleavage by CRISPR/Cas9. Nature, 2014, 516, 263-266.	27.8	533
161	Cas1–Cas2 complex formation mediates spacer acquisition during CRISPR–Cas adaptive immunity. Nature Structural and Molecular Biology, 2014, 21, 528-534.	8.2	389
162	High-throughput profiling of off-target DNA cleavage reveals RNA-programmed Cas9 nuclease specificity. Nature Biotechnology, 2013, 31, 839-843.	17.5	1,303

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163	CRISPR-Mediated Modular RNA-Guided Regulation of Transcription in Eukaryotes. Cell, 2013, 154, 442-451.	28.9	3,012
164	Structure and Activity of the RNA-Targeting Type III-B CRISPR-Cas Complex of Thermus thermophilus. Molecular Cell, 2013, 52, 135-145.	9.7	212
165	Rewriting a genome. Nature, 2013, 495, 50-51.	27.8	168
166	Repurposing CRISPR as an RNA-Guided Platform for Sequence-Specific Control of Gene Expression. Cell, 2013, 152, 1173-1183.	28.9	4,090
167	RNA-programmed genome editing in human cells. ELife, 2013, 2, e00471.	6.0	1,830
168	Substrate-specific structural rearrangements of human Dicer. Nature Structural and Molecular Biology, 2013, 20, 662-670.	8.2	89
169	Molecular Mechanisms of RNA Interference. Annual Review of Biophysics, 2013, 42, 217-239.	10.0	868
170	Differential roles of human Dicer-binding proteins TRBP and PACT in small RNA processing. Nucleic Acids Research, 2013, 41, 6568-6576.	14.5	172
171	Multiple sensors ensure guide strand selection in human RNAi pathways. Rna, 2013, 19, 639-648.	3.5	107
172	ATP-independent diffusion of double-stranded RNA binding proteins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 151-156.	7.1	62
173	Hepatitis C virus 3′UTR regulates viral translation through direct interactions with the host translation machinery. Nucleic Acids Research, 2013, 41, 7861-7874.	14.5	59
174	RNA–protein analysis using a conditional CRISPR nuclease. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5416-5421.	7.1	71
175	Defending the Genome: Regulatory RNA in Humans and Bacteria. FASEB Journal, 2013, 27, 450.1.	0.5	0
176	Csy4 relies on an unusual catalytic dyad to position and cleave CRISPR RNA. EMBO Journal, 2012, 31, 2824-2832.	7.8	90
177	Native Tandem and Ion Mobility Mass Spectrometry Highlight Structural and Modular Similarities in Clustered-Regularly-Interspaced Shot-Palindromic-Repeats (CRISPR)-associated Protein Complexes From Escherichia coli and Pseudomonas aeruginosa. Molecular and Cellular Proteomics, 2012, 11, 1430-1441.	3.8	74
178	Mechanism of substrate selection by a highly specific CRISPR endoribonuclease. Rna, 2012, 18, 661-672.	3.5	133
179	TRBP alters human precursor microRNA processing in vitro. Rna, 2012, 18, 2012-2019.	3.5	118
180	RNA processing enables predictable programming of gene expression. Nature Biotechnology, 2012, 30, 1002-1006.	17.5	184

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181	Coordinated Activities of Human Dicer Domains in Regulatory RNA Processing. Journal of Molecular Biology, 2012, 422, 466-476.	4.2	62
182	Mechanism of Foreign DNA Selection in a Bacterial Adaptive Immune System. Molecular Cell, 2012, 46, 606-615.	9.7	229
183	RNA-guided genetic silencing systems in bacteria and archaea. Nature, 2012, 482, 331-338.	27.8	1,584
184	A Programmable Dual-RNA–Guided DNA Endonuclease in Adaptive Bacterial Immunity. Science, 2012, 337, 816-821.	12.6	12,811
185	Preliminary in vitro functional analysis of the DEADâ€box protein DDX3. FASEB Journal, 2012, 26, 947.2.	0.5	0
186	Multiplexed RNA structure characterization with selective 2′-hydroxyl acylation analyzed by primer extension sequencing (SHAPE-Seq). Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11063-11068.	7.1	346
187	Structures of the RNA-guided surveillance complex from a bacterial immune system. Nature, 2011, 477, 486-489.	27.8	355
188	RNA-guided complex from a bacterial immune system enhances target recognition through seed sequence interactions. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10092-10097.	7.1	413
189	Structural basis for CRISPR RNA-guided DNA recognition by Cascade. Nature Structural and Molecular Biology, 2011, 18, 529-536.	8.2	498
190	An RNA-induced conformational change required for CRISPR RNA cleavage by the endoribonuclease Cse3. Nature Structural and Molecular Biology, 2011, 18, 680-687.	8.2	166
191	Crystal Structure of the HCV IRES Central Domain Reveals Strategy for Start-Codon Positioning. Structure, 2011, 19, 1456-1466.	3.3	102
192	Modeling and automation of sequencing-based characterization of RNA structure. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 11069-11074.	7.1	109
193	Structural insights into RNA interference. Current Opinion in Structural Biology, 2010, 20, 90-97.	5.7	73
194	Functional Overlap between elF4G Isoforms in Saccharomyces cerevisiae. PLoS ONE, 2010, 5, e9114.	2.5	50
195	Substrate-Specific Kinetics of Dicer-Catalyzed RNA Processing. Journal of Molecular Biology, 2010, 404, 392-402.	4.2	126
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