

# CITATION REPORT

List of articles citing

## On the Origin of CRISPR-Cas Technology: From Prokaryotes to Mammals

DOI: 10.1016/j.tim.2016.06.005

Trends in Microbiology, 2016, 24, 811-820.

**Source:** <https://exaly.com/paper-pdf/63387958/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
115	Rapid Generation of Marker-Free <i>P. falciparum</i> Fluorescent Reporter Lines Using Modified CRISPR/Cas9 Constructs and Selection Protocol. <b>2016</b> , 11, e0168362		29
114	Gene delivery to the lungs: pulmonary gene therapy for cystic fibrosis. <b>2017</b> , 43, 1071-1081		19
113	Developmental history and application of CRISPR in human disease. <b>2017</b> , 19, e2963		6
112	A history of genome editing in mammals. <b>2017</b> , 28, 237-246		35
111	Concepts and tools for gene editing. <b>2016</b> , 29, 1-7		4
110	Opening up the DNA methylome of dementia. <b>2017</b> , 22, 485-496		41
109	Peptide/Cas9 nanostructures for ribonucleoprotein cell membrane transport and gene edition. <b>2017</b> , 8, 7923-7931		65
108	Fostering responsible research with genome editing technologies: a European perspective. <b>2017</b> , 26, 709-713		28
107	CRISPR-Cas adaptive immunity and the three Rs. <b>2017</b> , 37,		7
106	Do shoot the messenger: Taking aim at RNA to treat genetic skin disorders. <b>2017</b> , 26, 22-23		
105	Transgenesis and Gene Edition in Mammals. <b>2017</b> ,		
104	A protocol for custom CRISPR Cas9 donor vector construction to truncate genes in mammalian cells using pcDNA3 backbone. <b>2018</b> , 19, 3		3
103	ARRIGE Arrives: Toward the Responsible Use of Genome Editing. <b>2018</b> , 1, 128-129		21
102	Mouse Embryogenesis. <i>Methods in Molecular Biology</i> , <b>2018</b> ,	1.4	
101	Genome Editing During Development Using the CRISPR-Cas Technology. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1752, 177-190	1.4	
100	Immunity to CRISPR Cas9 and Cas12a therapeutics. <b>2018</b> , 10, e1408		66
99	Usefulness of knockout mice to clarify the role of the opioid system in chronic pain. <b>2018</b> , 175, 2791-2808		17

98	ARRIGE: Toward a Responsible Use of Genome Editing. <b>2018</b> , 115-127	
97	Xenotransplantation: Progress Along Paths Uncertain from Models to Application. <b>2018</b> , 59, 286-308	8
96	"Doing CRISPR". <b>2018</b> , 37, 220-235	1
95	CRISPR Gene Editing Meets the Art World. <b>2018</b> , 1, 317-318	1
94	The CRISPR conundrum: evolve and maybe die, or survive and risk stagnation. <b>2018</b> , 5, 262-268	11
93	Optimization of sand fly embryo microinjection for gene editing by CRISPR/Cas9. <b>2018</b> , 12, e0006769	9
92	The tsunami named CRISPR/Cas9. <b>2018</b> , 174, 487-488	
91	Pathogens of marine bivalves in Maine (USA): A historical perspective. <b>2018</b> , 493, 9-17	8
90	Protein Engineering Strategies to Expand CRISPR-Cas9 Applications. <b>2018</b> , 2018, 1652567	15
89	Sheep and Goat Genome Engineering: From Random Transgenesis to the CRISPR Era. <b>2019</b> , 10, 750	27
88	Gene Therapy for Cystic Fibrosis: Hurdles to Overcome for Successful Clinical Translation. <b>2019</b> ,	
87	WeReview: CRISPR Tools-Live Repository of Computational Tools for Assisting CRISPR/Cas Experiments. <b>2019</b> , 6,	16
86	Genome Defense. <b>2019</b> , 622-653	1
85	CRISPR/Cas9 facilitates genomic editing for large-scale functional studies in pluripotent stem cell cultures. <b>2019</b> , 138, 1217-1225	8
84	Fostering Innovation for Agriculture 4.0. <b>2019</b> ,	3
83	Ethics assessment in research proposals adopting CRISPR technology. <b>2019</b> , 29, 020202	10
82	CRISPR-ERA for Switching Off (Onco) Genes. <b>2019</b> ,	2
81	CRISPR-Cas Genome Editing: Another Revolution in Molecular Biology. <b>2019</b> , 345-361	

80	Adaptation processes that build CRISPR immunity: creative destruction, updated. <b>2019</b> , 63, 227-235	3
79	Biological Characteristics of Severe Combined Immunodeficient Mice Produced by CRISPR/Cas9-Mediated and Mutation. <b>2019</b> , 10, 401	5
78	Genomics, Other DMICIT Technologies, Precision Medicine, and Additional Biotechnology-Related Techniques. <b>2019</b> , 191-237	1
77	CRISPR-mediated genome editing in non-conventional yeasts for biotechnological applications. <b>2019</b> , 18, 63	53
76	Genome Editing: Promoting Responsible Research. <b>2019</b> , 33, 187-191	1
75	Reading and writing: the evolution of molecular pain genetics. <b>2019</b> , 160, 2177-2185	2
74	Programmable Molecular Scissors: Applications of a New Tool for Genome Editing in Biotech. <b>2019</b> , 14, 212-238	25
73	Chemical transformation mediated CRISPR/Cas9 genome editing in Escherichia coli. <b>2019</b> , 41, 293-303	7
72	Biotechnologies from Marine Bivalves. <b>2019</b> , 95-112	
71	Applications of genome editing in pet world. <b>2020</b> , 151-162	1
70	Genetic and molecular biological approaches for the study of metals in biology. <b>2020</b> , 417-476	
69	Biotechnological Advances in the Design of Algae-Based Biosensors. <b>2020</b> , 38, 334-347	24
68	Sharpening the Molecular Scissors: Advances in Gene-Editing Technology. <b>2020</b> , 23, 100789	58
67	Establishment of a conditional Nomo1 mouse model by CRISPR/Cas9 technology. <b>2020</b> , 47, 1381-1391	4
66	Sustainable Agriculture Reviews 46. <b>2020</b> ,	1
65	Engineering carotenoid production in mammalian cells for nutritionally enhanced cell-cultured foods. <b>2020</b> , 62, 126-137	12
64	Experimental Models to Study Autism Spectrum Disorders: hiPSCs, Rodents and Zebrafish. <b>2020</b> , 11,	6
63	High-quality sugar production by osgcs1 rice. <b>2020</b> , 3, 617	6

62	Designing custom CRISPR libraries for hypothesis-driven drug target discovery. <b>2020</b> , 18, 2237-2246	3
61	Fast Diffusion Sustains Plasma Membrane Accumulation of Phosphatase of Regenerating Liver-1. <b>2020</b> , 8, 585842	3
60	and Genetic Disease Modeling via NHEJ-Precise Deletions Using CRISPR-Cas9. <b>2020</b> , 19, 426-437	1
59	CRISPR-Cas system-a promising tool for engineering resistance to plant viruses. <b>2020</b> , 649-655	
58	Cas3 Protein-A Review of a Multi-Tasking Machine. <b>2020</b> , 11,	11
57	Pervasive head-to-tail insertions of DNA templates mask desired CRISPR-Cas9-mediated genome editing events. <b>2020</b> , 6, eaax2941	30
56	Xenotransplantation. <i>Methods in Molecular Biology</i> , <b>2020</b> ,	1.4 2
55	Medical applications of clustered regularly interspaced short palindromic repeats (CRISPR/Cas) tool: A comprehensive overview. <b>2020</b> , 745, 144636	12
54	Simple Protocol for Generating and Genotyping Genome-Edited Mice With CRISPR-Cas9 Reagents. <b>2020</b> , 10, e69	6
53	CRISPR/Cas: A powerful tool for gene function study and crop improvement. <b>2021</b> , 29, 207-221	37
52	CRISPR/Cas-based Diagnostics and Gene Therapy. <b>2021</b> ,	1
51	Genomic Analysis, Progress and Future Perspectives in Dairy Cattle Selection: A Review. <b>2021</b> , 11,	3
50	Future Approaches for Treating Chronic Myeloid Leukemia: CRISPR Therapy. <b>2021</b> , 10,	5
49	CRISPR/Cas9 gene editing therapies for cystic fibrosis. <b>2021</b> , 21, 767-780	2
48	Human Pluripotent Stem Cells to Model Islet Defects in Diabetes. <b>2021</b> , 12, 642152	7
47	Targeting the Kaposi's sarcoma-associated herpesvirus genome with the CRISPR-Cas9 platform in latently infected cells. <b>2021</b> , 18, 56	3
46	The relationship between the phageome and human health: are bacteriophages beneficial or harmful microbes?. <b>2021</b> , 12, 107-120	2
45	CRISPR-Mediated Strand Displacement Logic Circuits with Toehold-Free DNA. <b>2021</b> , 10, 950-956	1

44	CRISPR/Cas: a Nobel Prize award-winning precise genome editing technology for gene therapy and crop improvement. <b>2021</b> , 22, 253-284		34
43	Temperature-Inducible Precision Guided Sterile Insect Technique.		1
42	Genetically Modified Yeasts in Wine Biotechnology.		
41	Genome engineering and disease modeling programmable nucleases for insulin gene therapy; promises of CRISPR/Cas9 technology. <b>2021</b> , 13, 485-502		2
40	Diversification of the CRISPR Toolbox: Applications of CRISPR-Cas Systems Beyond Genome Editing. <b>2021</b> , 4, 400-415		0
39	Application of CRISPR-Cas9 gene editing for congenital heart disease. <b>2021</b> , 64, 269-279		4
38	Therapeutic Potential of Inactivation by CRISPR/Cas9 in Ewing Sarcoma. <i>Cancers</i> , <b>2021</b> , 13,	6.6	1
37	Digging into the lesser-known aspects of CRISPR biology. <b>2021</b> , 24, 473-498		2
36	Generation of Genetically Modified Mice Using CRISPR/Cas9. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2110, 129-138	1.4	1
35	Target-specific gene delivery in plant systems and their expression: Insights into recent developments. <b>2020</b> , 45, 1		9
34	CRISPR/Cas9 technology abolishes the BCR/ABL1 oncogene in chronic myeloid leukemia and restores normal hematopoiesis.		2
33	Pervasive head-to-tail insertions of DNA templates mask desired CRISPR/Cas9-mediated genome editing events.		5
32	A CRISPR-Assisted Nonhomologous End-Joining Strategy for Efficient Genome Editing in <i>Mycobacterium tuberculosis</i> . <b>2020</b> , 11,		14
31	A CRISPR View of Biological Mechanisms. <b>2016</b> , 4, e69		0
30	Assisted Reproductive Technology in Perimenopausal Women. <b>2019</b> , 1-17		
29	Role of Gene Editing Tool CRISPR-Cas in the Management of Antimicrobial Resistance. <b>2020</b> , 129-146		1
28	CRISPR/Cas9 System. <b>2020</b> , 25, 1669-1680		
27	In vitro and In vivo Genetic Disease Modelling via NHEJ-precise deletions using CRISPR/Cas9.		

26	Temperature-Inducible Precision-Guided Sterile Insect Technique. <b>2021</b> ,	0
25	Generation of in situ CRISPR-mediated primary and metastatic cancer from monkey liver. <b>2021</b> , 6, 411	2
24	Encyclopedia of Astrobiology. <b>2022</b> , 1-3	
23	Recent developments in genome design and assembly tools. <b>2022</b> , 45-65	
22	CRISPR/Cas9-mediated genome editing assists protein dynamics studies in live cells.. <b>2022</b> , 101, 151203	
21	Target-specific gene delivery in plant systems and their expression: Insights into recent developments. <b>2020</b> , 45,	2
20	La modificaci3n del c3digo gen3tico. <b>2021</b> ,	
19	CRISPR/Cas9-Mediated Allele-Specific Disruption of a Dominant Pathogenic Variant Improves Collagen VI Network in Patient Fibroblasts.. <b>2022</b> , 23,	0
18	Bioprospecting as a Robust Host for Industrial Biotechnology.. <b>2022</b> , 10, 851768	1
17	Data_Sheet_1.PDF. <b>2020</b> ,	
16	Progress and challenges in applying CRISPR/Cas techniques to the genome editing of trees. <b>2022</b> , 1, 1-14	0
15	CRISPR-Cas9: el debate bio3tico m3s all3de la l3nea germinal. <i>Persona Y Bio3tica</i> , <b>2022</b> , 25, 1-18	0.2
14	Historical DNA Manipulation Overview. <i>Methods in Molecular Biology</i> , <b>2022</b> , 3-28	1.4
13	High-Throughput CRISPR Screening in Hematological Neoplasms. <i>Cancers</i> , <b>2022</b> , 14, 3612	6.6 0
12	Nanodevices for the Efficient Codelivery of CRISPR-Cas9 Editing Machinery and an Entrapped Cargo: A Proposal for Dual Anti-Inflammatory Therapy. <i>Pharmaceutics</i> , <b>2022</b> , 14, 1495	6.4 0
11	Whole Genome Sequencing Analysis of Effects of CRISPR/Cas9 in <i>Komagataella phaffii</i> : A Budding Yeast in Distress. <b>2022</b> , 8, 992	0
10	Identification of the EH CRISPR-Cas9 system on a metagenome and its application to genome engineering.	0
9	T cell activation and effector function in the human Jurkat T cell model. <b>2022</b> ,	1

- 8 Gene editing to improve drought tolerance. **2022**, 2022,
- 7 Nonconventional Yeasts Engineered Using the CRISPR-Cas System as Emerging Microbial Cell Factories. **2022**, 8, 656
- 6 Foothold Switches; a foothold for Synthetic Biology
- 5 Emerging Nano-/Biotechnology Drives Oncolytic Virus-Activated and Combined Cancer Immunotherapy. **2023**, 6,
- 4 Gene Drive: Past, Present and Future Roads to Vertebrate Biocontrol. **2023**, 2, 52-70
- 3 Genome-engineering technologies for modeling and treatment of cystic fibrosis. **2023**, 68, 111-120
- 2 New CRISPR Technology for Creating Cell Models of Lipoprotein Assembly and Secretion.
- 1 Transgenesis and Genome Engineering: A Historical Review. **2023**, 1-32