

# Programmable editing of a target base in genomic DNA cleavage

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Citation Report

#	ARTICLE	IF	CITATIONS
1	CRISPR-Cas9: from Genome Editing to Cancer Research. International Journal of Biological Sciences, 2016, 12, 1427-1436.	2.6	31
2	Compact and highly active next-generation libraries for CRISPR-mediated gene repression and activation. ELife, 2016, 5, .	2.8	609
3	Survival and Evolution of CRISPR-Cas System in Prokaryotes and Its Applications. Frontiers in Immunology, 2016, 7, 375.	2.2	33
4	Beyond CRISPR: A guide to the many other ways to edit a genome. Nature, 2016, 536, 137-137.	13.7	10
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9	CRISPR-Cas9-AID base editor is a powerful gain-of-function screening tool. Nature Methods, 2016, 13, 983-984.	9.0	22
10	<i>In vivo</i> versus <i>ex vivo</i> CRISPR therapies for retinal dystrophy. Expert Review of Ophthalmology, 2016, 11, 397-400.	0.3	8
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12	A Multiplexed Single-Cell CRISPR Screening Platform Enables Systematic Dissection of the Unfolded Protein Response. Cell, 2016, 167, 1867-1882.e21.	13.5	819
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25	Harnessing mutation: The best of two worlds. <i>Science</i> , 2016, 353, 1206-1207.	6.0	1
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1556	Development of Precision Medical Technology and its Current Clinical Applications. <i>Recent Patents on Engineering</i> , 2021, 15, .	0.3	0
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1768	Strategies for mitochondrial gene editing. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3319-3329.	1.9	22
1769	Rapid Vector Construction and Assessment of BE3 and Target-AID C to T Base Editing Systems in Rice Protoplasts. <i>Methods in Molecular Biology</i> , 2021, 2238, 95-113.	0.4	5
1770	A method for characterizing Cas9 variants via a one-million target sequence library of self-targeting sgRNAs. <i>Nucleic Acids Research</i> , 2021, 49, e31-e31.	6.5	12
1771	Molecular correction of Duchenne muscular dystrophy by splice modulation and gene editing. <i>RNA Biology</i> , 2021, 18, 1048-1062.	1.5	24
1772	Advances in gene editing strategies for epidermolysis bullosa. <i>Progress in Molecular Biology and Translational Science</i> , 2021, 182, 81-109.	0.9	10
1773	The TRACE-Seq method tracks recombination alleles and identifies clonal reconstitution dynamics of gene targeted human hematopoietic stem cells. <i>Nature Communications</i> , 2021, 12, 472.	5.8	23
1774	Advances in Genome Editing With CRISPR Systems and Transformation Technologies for Plant DNA Manipulation. <i>Frontiers in Plant Science</i> , 2020, 11, 637159.	1.7	61
1775	Data Storage Based on DNA. <i>Small Structures</i> , 2021, 2, 2000046.	6.9	36
1776	Wide Horizons of CRISPR-Cas-Derived Technologies for Basic Biology, Agriculture, and Medicine. <i>Springer Protocols</i> , 2020, , 1-23.	0.1	15
1778	Light-Inducible CRISPR Labeling. <i>Methods in Molecular Biology</i> , 2020, 2173, 137-150.	0.4	1
1779	Genetic Manipulation of MRSA Using CRISPR/Cas9 Technology. <i>Methods in Molecular Biology</i> , 2020, 2069, 113-124.	0.4	5
1780	Grape Biotechnology: Past, Present, and Future. <i>Compendium of Plant Genomes</i> , 2019, , 349-367.	0.3	1
1781	CRISPR/Cas9 Editing in Induced Pluripotent Stem Cells: A Way Forward for Treating Cystic Fibrosis?. , 2019, , 153-178.		2
1782	Genome Editing and Trait Improvement in Wheat. , 2021, , 263-283.		7
1783	Retroviral Vectors for Cancer Gene Therapy. <i>Recent Results in Cancer Research</i> , 2016, 209, 17-35.	1.8	24
1784	Application of CRISPR-Cas9 Screening Technologies to Study Mitochondrial Biology in Healthy and Disease States. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1158, 269-277.	0.8	2
1785	Genome Editing: Advances and Prospects. , 2019, , 147-174.		5

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1787	Therapeutic Gene Editing with CRISPR. <i>Clinics in Laboratory Medicine</i> , 2020, 40, 205-219.	0.7	3
1788	CRISPR-Cas systems: Overview, innovations and applications in human disease research and gene therapy. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 2401-2415.	1.9	100
1789	CRISPR screens in the era of microbiomes. <i>Current Opinion in Microbiology</i> , 2020, 57, 70-77.	2.3	15
1790	Celebrating Rosalind Franklin's Centennial with a Nobel Win for Doudna and Charpentier. <i>Molecular Therapy</i> , 2020, 28, 2519-2520.	3.7	2
1791	CRISPR hacks enable pinpoint repairs to genome. <i>Nature</i> , 2017, 550, 439-440.	13.7	5
1792	Am I ready for CRISPR? A user's guide to genetic screens. <i>Nature Reviews Genetics</i> , 2018, 19, 67-80.	7.7	325
1793	Engineer chimeric Cas9 to expand PAM recognition based on evolutionary information. <i>Nature Communications</i> , 2019, 10, 560.	5.8	43
1794	Base editors for simultaneous introduction of C-to-T and A-to-G mutations. <i>Nature Biotechnology</i> , 2020, 38, 865-869.	9.4	137
1795	Targeted point mutations of the m6A modification in miR675 using RNA-guided base editing induce cell apoptosis. <i>Bioscience Reports</i> , 2020, 40, .	1.1	7
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1797	Editor's cut: DNA cleavage by CRISPR RNA-guided nucleases Cas9 and Cas12a. <i>Biochemical Society Transactions</i> , 2020, 48, 207-219.	1.6	14
1798	CRISPR-based gene expression control for synthetic gene circuits. <i>Biochemical Society Transactions</i> , 2020, 48, 1979-1993.	1.6	30
1799	Base editors: modular tools for the introduction of point mutations in living cells. <i>Emerging Topics in Life Sciences</i> , 2019, 3, 483-491.	1.1	15
1800	Synthetic biology for improving cell fate decisions and tissue engineering outcomes. <i>Emerging Topics in Life Sciences</i> , 2019, 3, 631-643.	1.1	12
1801	Efficient CRISPR-mediated base editing in <i>Agrobacterium</i> spp.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	38
1802	CRISPR-Cas "Non-Target" Sites Inhibit On-Target Cutting Rates. <i>CRISPR Journal</i> , 2020, 3, 550-561.	1.4	17
1803	Toward precise CRISPR DNA fragment editing and predictable 3D genome engineering. <i>Journal of Molecular Cell Biology</i> , 2021, 12, 828-856.	1.5	9

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1869	A most formidable arsenal: genetic technologies for building a better mouse. <i>Genes and Development</i> , 2020, 34, 1256-1286.	2.7	24
1870	Gene therapy in wound healing using nanotechnology. <i>Wound Repair and Regeneration</i> , 2021, 29, 225-239.	1.5	11
1871	Correction of muscular dystrophies by CRISPR gene editing. <i>Journal of Clinical Investigation</i> , 2020, 130, 2766-2776.	3.9	60
1872	Therapeutic applications of CRISPR/Cas9 in breast cancer and delivery potential of gold nanomaterials. <i>Nanobiomedicine</i> , 2020, 7, 184954352098319.	4.4	14
1873	Beyond Seek and Destroy: how to Generate Allelic Series Using Genome Editing Tools. <i>Rice</i> , 2020, 13, 5.	1.7	7
1874	CRISPR/Cas: a potential gene-editing tool in the nervous system. <i>Cell Regeneration</i> , 2020, 9, 12.	1.1	8
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1876	Base Editing. <i>Materials and Methods</i> , 0, 9, .	0.0	2
1878	Creation of Novel Protein Variants with CRISPR/Cas9-Mediated Mutagenesis: Turning a Screening By-Product into a Discovery Tool. <i>PLoS ONE</i> , 2017, 12, e0170445.	1.1	50
1879	Generation of imidazolinone herbicide resistant trait in Arabidopsis. <i>PLoS ONE</i> , 2020, 15, e0233503.	1.1	15
1880	The protective mutation A673T in amyloid precursor protein gene decreases A $\beta$ peptides production for 14 forms of Familial Alzheimer's Disease in SH-SY5Y cells. <i>PLoS ONE</i> , 2020, 15, e0237122.	1.1	11
1881	Targeted Base Editing via RNA-Guided Cytidine Deaminases in <i>Xenopus laevis</i> Embryos. <i>Molecules and Cells</i> , 2017, 40, 823-827.	1.0	30
1882	CRISPR and Target-Specific DNA Endonucleases for Efficient DNA Knock-in in Eukaryotic Genomes. <i>Molecules and Cells</i> , 2018, 41, 943-952.	1.0	22
1883	Programmable Cas9 RNA editing using the human APOBEC3A deaminase. <i>EMBO Journal</i> , 2020, 39, e104741.	3.5	35
1884	Base editing in pigs for precision breeding. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 161.	0.9	6
1885	Base editors: a powerful tool for generating animal models of human diseases. <i>Cell Stress</i> , 2018, 2, 242-245.	1.4	2
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1889	Understanding the Plant-microbe Interactions in CRISPR/Cas9 Era: Indeed a Sprinting Start in Marathon. <i>Current Genomics</i> , 2020, 21, 429-443.	0.7	14
1890	Genetic Variants and Oxidative Stress in Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2020, 17, 208-223.	0.7	23
1891	Targeted Nucleotide Substitution in Mammalian Cell by Target-AID. <i>Bio-protocol</i> , 2017, 7, .	0.2	2
1892	CRISPR-Cas9 in agriculture: Approaches, applications, future perspectives, and associated challenges. <i>Malaysian Journal of Halal Research</i> , 2020, 3, 6-16.	0.3	13
1893	MagnEtiC™ interacting factors that recruit DNA-editing enzymes to single base targets. <i>Life Science Alliance</i> , 2020, 3, e201900606.	1.3	7
1894	Applicability of the EFSA Opinion on site-directed nucleases type 3 for the safety assessment of plants developed using site-directed nucleases type 1 and 2 and oligonucleotide-directed mutagenesis. <i>EFSA Journal</i> , 2020, 18, e06299.	0.9	31
1895	The ALS Gene as Genetic Target in CRISPR/ Cas Approaches: What Have We Learned So Far?. <i>Modern Concepts &amp; Developments in Agronomy</i> , 2020, 7, .	0.1	2
1896	RABBIT BIOMODELS OF HUMAN DISEASES DEVELOPED USING NEW GENOMIC TECHNOLOGIES. CRISPR/CAS9 (REVIEW). <i>Journal Biomed</i> , 2019, , 12-33.	0.1	2
1897	Precision Genome Engineering for the Breeding of Tomatoes: Recent Progress and Future Perspectives. <i>Frontiers in Genome Editing</i> , 2020, 2, 612137.	2.7	17
1898	Drug Screening with Genetically Encoded Fluorescent Sensors: Today and Tomorrow. <i>International Journal of Molecular Sciences</i> , 2021, 22, 148.	1.8	13
1899	Prime Editing Technology and Its Prospects for Future Applications in Plant Biology Research. <i>BioDesign Research</i> , 2020, 2020, .	0.8	34
1900	The CRISPR Growth Spurt: from Bench to Clinic on Versatile Small RNAs. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 207-218.	0.9	17
1901	CRISPR/CAS9 as a Powerful Tool for Crop Improvement. <i>Journal of Plant Biotechnology</i> , 2017, 44, 107-114.	0.1	3
1902	Current status on the modification of the scope for GMO regulation on the gene edited plants with no remnants of inserted foreign DNA fragments. <i>Journal of Plant Biotechnology</i> , 2019, 46, 137-142.	0.1	5
1903	Identification of compounds that rescue otic and myelination defects in the zebrafish <i>adgrg6</i> ( <i>gpr126</i> ) mutant. <i>ELife</i> , 2019, 8, .	2.8	19
1904	Current Status and Prospect of Wheat Functional Genomics using Next Generation Sequencing. <i>Han'guk Yukchong Hakhoe Chi</i> , 2018, 50, 364-377.	0.2	5

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1906	Human cell based directed evolution of adenine base editors with improved efficiency. <i>Nature Communications</i> , 2021, 12, 5897.	5.8	15
1907	Controllable genome editing with split-engineered base editors. <i>Nature Chemical Biology</i> , 2021, 17, 1262-1270.	3.9	31
1908	Interrogating Mitochondrial Biology and Disease Using CRISPR/Cas9 Gene Editing. <i>Genes</i> , 2021, 12, 1604.	1.0	10
1909	Editing Properties of Base Editors with SpCas9-NG in Discarded Human Trippronuclear Zygotes. <i>CRISPR Journal</i> , 2021, 4, 710-727.	1.4	1
1910	Multiplex Genome-Editing Technologies for Revolutionizing Plant Biology and Crop Improvement. <i>Frontiers in Plant Science</i> , 2021, 12, 721203.	1.7	36
1911	Engineered pegRNAs improve prime editing efficiency. <i>Nature Biotechnology</i> , 2022, 40, 402-410.	9.4	293
1912	PRIMA: a rapid and cost-effective genotyping method to detect single-nucleotide differences using probe-induced heteroduplexes. <i>Scientific Reports</i> , 2021, 11, 20741.	1.6	7
1913	CRISPR-derived genome editing therapies: Progress from bench to bedside. <i>Molecular Therapy</i> , 2021, 29, 3125-3139.	3.7	14
1914	C-to-G Base Editing Enhances Oleic Acid Production by Generating Novel Alleles of FATTY ACID DESATURASE 2 in Plants. <i>Frontiers in Plant Science</i> , 2021, 12, 748529.	1.7	4
1916	Progress and challenges in sorghum biotechnology, a multipurpose feedstock for the bioeconomy. <i>Journal of Experimental Botany</i> , 2022, 73, 646-664.	2.4	21
1917	Hepatocyte organoids and cell transplantation: What the future holds. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1512-1528.	3.2	23
1918	The genome-editing decade. <i>Molecular Therapy</i> , 2021, 29, 3093-3094.	3.7	1
1919	No apparent p53 activation in CRISPR-engineered gene-edited rabbits. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 10313-10317.	1.6	2
1920	CRISPR/Cas9 Delivery System Engineering for Genome Editing in Therapeutic Applications. <i>Pharmaceutics</i> , 2021, 13, 1649.	2.0	35
1921	Recent progress on n-butanol production by lactic acid bacteria. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 205.	1.7	2
1922	Therapeutic Exon Skipping Through a CRISPR-Guided Cytidine Deaminase Rescues Dystrophic Cardiomyopathy in Vivo. <i>Circulation</i> , 2021, 144, 1760-1776.	1.6	26
1923	Global quantification exposes abundant low-level off-target activity by base editors. <i>Genome Research</i> , 2021, 31, 2354-2361.	2.4	14

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1925	Future Perspectives of Oral Delivery of Next Generation Therapies for Treatment of Skin Diseases. <i>Pharmaceutics</i> , 2021, 13, 1722.	2.0	4
1926	Genome editing of <i>Corynebacterium glutamicum</i> mediated with Cpf1 plus Ku/LigD. <i>Biotechnology Letters</i> , 2021, 43, 2273-2281.	1.1	3
1927	Prenatal Gene Therapy for Metabolic Disorders. <i>Clinical Obstetrics and Gynecology</i> , 2021, 64, 904-916.	0.6	1
1928	The Generic Risks and the Potential of SDN-1 Applications in Crop Plants. <i>Plants</i> , 2021, 10, 2259.	1.6	10
1929	The Functional Association of ACQOS/VICTR with Salt Stress Resistance in <i>Arabidopsis thaliana</i> Was Confirmed by CRISPR-Mediated Mutagenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11389.	1.8	17
1930	Efficient Breeding of Early-Maturing Rice Cultivar by Editing PHYC via CRISPR/Cas9. <i>Rice</i> , 2021, 14, 86.	1.7	11
1934	Improving CRISPR Gene Editing Efficiency by Proximal dCas9 Targeting. <i>Bio-protocol</i> , 2017, 7, e2432.	0.2	1
1942	Genetic profiling of the 5-top cancers among Arabian populations in relation to their genealogical landscape: towards establishment of gene therapy platform in the region. <i>International Journal of Molecular Biology Open Access</i> , 2018, 3, .	0.2	2
1945	Cas9-mediated genome editing of <i>Arabidopsis thaliana</i> using CRISPR-Cas9. <i>Frontiers in Plant Science</i> , 2019, 10, 1000000.	0.2	0
1956	Clinical Genetics of Vitelliform Macular Dystrophy: An Asian Perspective. <i>Essentials in Ophthalmology</i> , 2019, , 255-271.	0.0	0
1957	Human mitochondrial genome surgery. <i>Genes and Cells</i> , 2018, 13, 32-37.	0.2	0
1958	Applications of Genome Engineering/Editing Tools in Plants. , 2019, , 143-165.		1
1960	Human Induced Pluripotent Stem Cells as Platform for Functional Examination of Cardiovascular Genetics in a Dish. <i>Cardiac and Vascular Biology</i> , 2019, , 341-357.	0.2	0
1961	Gene Modification of Medicinal Plant Germplasm Resources. , 2019, , 145-190.		0
1962	CRISPR-based Technologies for Genome Engineering: Properties, Current Improvements and Applications in Medicine. <i>RSC Drug Discovery Series</i> , 2019, , 400-433.	0.2	1
1963	An Update on the Applications of CRISPR/Cas9 Technology in Tomato. <i>Energy, Environment, and Sustainability</i> , 2019, , 249-263.	0.6	0
1964	Gene Delivery in Lipid Research and Therapies. <i>Methodist DeBakey Cardiovascular Journal</i> , 2021, 15, 62.	0.5	5

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1973	Current Status of New Plant Breeding Technologies and Crop Development. Han'guk Yukchong Hakhoe Chi, 2019, 51, 161-174.	0.2	3
1978	Biopharmaceutical molecules. , 2020, , 31-68.		1
1985	Correction of RNA splicing defect in $\beta$ -thalassemia mice using CRISPR/Cas9 gene-editing technology. Haematologica, 2022, 107, 1427-1437.	1.7	9
1986	Increasing the efficiency and precision of prime editing with guide RNA pairs. Nature Chemical Biology, 2022, 18, 29-37.	3.9	60
1987	Therapeutic Targeting of Alternative RNA Splicing in Gastrointestinal Malignancies and Other Cancers. International Journal of Molecular Sciences, 2021, 22, 11790.	1.8	13
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1989	The Role of APOE and NF- $\kappa$ B in Alzheimer's Disease. Immuno, 2021, 1, 391-399.	0.6	4
1990	Gene therapy for cystic fibrosis: new tools for precision medicine. Journal of Translational Medicine, 2021, 19, 452.	1.8	23
1991	Progress in Gene Editing Tools and Their Potential for Correcting Mutations Underlying Hearing and Vision Loss. Frontiers in Genome Editing, 2021, 3, 737632.	2.7	13
1993	The Next Generation of Molecular and Cellular Therapeutics for Inherited Retinal Disease. International Journal of Molecular Sciences, 2021, 22, 11542.	1.8	7
1994	Genome editing from Cas9 to IscB: Backwards and forwards towards new breakthroughs. Engineering Microbiology, 2021, 1, 100004.	2.2	1
1995	Disruption of HIV-1 co-receptors CCR5 and CXCR4 in primary human T cells and hematopoietic stem and progenitor cells using base editing. Molecular Therapy, 2022, 30, 130-144.	3.7	23
1997	Base editing technology. Frontiers of Agricultural Science and Engineering, 2020, 7, 227.	0.9	0
1998	TRPC3-Based Protein Signaling Complex as a Therapeutic Target of Myocardial Atrophy. Current Molecular Pharmacology, 2020, 14, 123-131.	0.7	7
1999	PROSPECTS FOR GENE EDITING USING CRISPR/CAS, OR HOW TO MASTER THE GENETIC SCISSORS Nobel Prize in Chemistry for 2020. Visnik Nacional Noi Akademii Nauk Ukraini, 2020, , 31-49.	0.0	0
2001	DENT-seq for genome-wide strand-specific identification of DNA single-strand break sites with single-nucleotide resolution. Genome Research, 2021, 31, 75-87.	2.4	6

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2005	Conditional and tissue-specific approaches to dissect essential mechanisms in plant development. <i>Current Opinion in Plant Biology</i> , 2022, 65, 102119.	3.5	6
2008	Introduction to Genome Editing Techniques: Implications in Modern Agriculture. <i>Concepts and Strategies in Plant Sciences</i> , 2020, , 1-30.	0.6	1
2009	Search-and-replace editing of genetic information. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 231.	0.9	0
2011	Gene Editing. , 2020, , 147-164.		0
2012	A brief review of genome editing technology for generating animal models. <i>Frontiers of Agricultural Science and Engineering</i> , 2020, 7, 123.	0.9	5
2014	Enhancing Abiotic Stress Tolerance in Plants Through Genome Editing. <i>Concepts and Strategies in Plant Sciences</i> , 2020, , 91-117.	0.6	0
2015	Super-precise CRISPR tool enhanced by enzyme engineering. <i>Nature</i> , 2020, , .	13.7	4
2021	Synthetic biology toolkit for engineering <i>Cupriavidus necator</i> H16 as a platform for CO2 valorization. <i>Biotechnology for Biofuels</i> , 2021, 14, 212.	6.2	14
2022	BEAR reveals that increased fidelity variants can successfully reduce the mismatch tolerance of adenine but not cytosine base editors. <i>Nature Communications</i> , 2021, 12, 6353.	5.8	10
2024	Gene Therapy for Cardiovascular Disease: Basic Research and Clinical Prospects. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 760140.	1.1	14
2025	CRISPR/Cas9-Based Genome Editing Platform for <i>Companilactobacillus crustorum</i> to Reveal the Molecular Mechanism of Its Probiotic Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 15279-15289.	2.4	6
2026	Functional pre-therapeutic evaluation by genome editing of variants of uncertain significance of essential tumor suppressor genes. <i>Genome Medicine</i> , 2021, 13, 174.	3.6	2
2027	Orthogonal CRISPR-Cas tools for genome editing, inhibition, and CRISPR recording in zebrafish embryos. <i>Genetics</i> , 2022, 220, .	1.2	11
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2030	C-to-U RNA Editing: From Computational Detection to Experimental Validation. <i>Methods in Molecular Biology</i> , 2021, 2181, 51-67.	0.4	4
2042	Heritable Human Genome Editing: A Basic Biology Perspective. <i>Trends in the Sciences</i> , 2020, 25, 10_12-10_18.	0.0	0
2043	Yeast Still a Beast: Diverse Applications of CRISPR/Cas Editing Technology in. <i>Yale Journal of Biology and Medicine</i> , 2017, 90, 643-651.	0.2	11



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2045	Expression of RecA and cell-penetrating peptide (CPP) fusion protein in bacteria and in mammalian cells. <i>International Journal of Biochemistry and Molecular Biology</i> , 2018, 9, 1-10.	0.1	4
2046	Editing of Genomic TNFSF9 by CRISPR-Cas9 Can Be Followed by Re-Editing of Its Transcript. <i>Molecules and Cells</i> , 2018, 41, 917-922.	1.0	0
2047	Screening of CRISPR/Cas base editors to target the AMD high-risk Y402H complement factor H variant. <i>Molecular Vision</i> , 2019, 25, 174-182.	1.1	5
2048	Advances in Brain Cancer: Creating Monoallelic Single Point Mutation in IDH1 by Single Base Editing. <i>Journal of Oncology Research and Therapy</i> , 2019, 5, .	0.0	2
2052	Breeding Strategies of Garden Pea ( <i>Pisum sativum</i> L.)., 2021, , 331-377.		2
2053	dCas9 binding inhibits the initiation of base excision repair in vitro. <i>DNA Repair</i> , 2022, 109, 103257.	1.3	5
2054	Better living through chemistry: CRISPR/Cas engineered T cells for cancer immunotherapy. <i>Current Opinion in Immunology</i> , 2022, 74, 76-84.	2.4	12
2055	Application of CRISPR-Cas9 in plant-plant growth-promoting rhizobacteria interactions for next Green Revolution. <i>3 Biotech</i> , 2021, 11, 492.	1.1	3
2056	Using Multiplexed CRISPR/Cas9 for Suppression of Cotton Leaf Curl Virus. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12543.	1.8	16
2057	A general theoretical framework to design base editors with reduced bystander effects. <i>Nature Communications</i> , 2021, 12, 6529.	5.8	10
2058	Intracellular RNase activity dampens zinc finger nuclease-mediated gene editing in hematopoietic stem and progenitor cells. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 24, 30-39.	1.8	4
2059	In Silico Analysis of Pathogenic CRB1 Single Nucleotide Variants and Their Amenability to Base Editing as a Potential Lead for Therapeutic Intervention. <i>Genes</i> , 2021, 12, 1908.	1.0	4
2060	CRISPR-SID: Identifying EZH2 as a druggable target for desmoid tumors via in vivo dependency mapping. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	6
2062	Engineering a PAM-flexible SpdCas9 variant as a universal gene repressor. <i>Nature Communications</i> , 2021, 12, 6916.	5.8	17
2063	Gene editing with CRISPR-Cas12a guides possessing ribose-modified pseudoknot handles. <i>Nature Communications</i> , 2021, 12, 6591.	5.8	11
2064	Applications of CRISPR-Cas Technologies to Proteomics. <i>Genes</i> , 2021, 12, 1790.	1.0	5
2065	CRISPR-Cas Technology: Emerging Applications in Clinical Microbiology and Infectious Diseases. <i>Pharmaceuticals</i> , 2021, 14, 1171.	1.7	11

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2067	High expression of uracil DNA glycosylase determines C to T substitution in human pluripotent stem cells. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 175-183.	2.3	12
2068	Controlling pathogenic risks of water treatment biotechnologies at the source by genetic editing means. <i>Environmental Microbiology</i> , 2021, 23, 7578-7590.	1.8	9
2069	Prime Editing for Inherited Retinal Diseases. <i>Frontiers in Genome Editing</i> , 2021, 3, 775330.	2.7	17
2070	Association of PCSK9 Variants With the Risk of Atherosclerotic Cardiovascular Disease and Variable Responses to PCSK9 Inhibitor Therapy. <i>Current Problems in Cardiology</i> , 2022, 47, 101043.	1.1	10
2071	Base Editing of Somatic Cells Using CRISPR-Cas9 in <i>Drosophila</i> . <i>CRISPR Journal</i> , 2021, , .	1.4	6
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