

# The Heroes of CRISPR

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Simultaneous Discoveries as a Research Tool: Method and Promise. SSRN Electronic Journal, 2012, , .	0.4	7
2	The unsung heroes of CRISPR. Nature, 2016, 535, 342-344.	13.7	12
3	CRISPR: Pursuit of profit poisons collaboration. Nature, 2016, 532, 172-173.	13.7	22
4	Plant Genetic Resources: Needs, Rights, and Opportunities. Trends in Plant Science, 2016, 21, 633-636.	4.3	16
5	Genome Editing by <sc>CRISPR</sc>/Cas9: A Game Change in the Genetic Manipulation of Protists. Journal of Eukaryotic Microbiology, 2016, 63, 679-690.	0.8	55
6	On the Origin of CRISPR-Cas Technology: From Prokaryotes to Mammals. Trends in Microbiology, 2016, 24, 811-820.	3.5	143
7	Editing of the urease gene by CRISPR-Cas in the diatom Thalassiosira pseudonana. Plant Methods, 2016, 12, 49.	1.9	137
9	CRISPR Double Cutting through the Labyrinthine Architecture of 3D Genomes. Journal of Genetics and Genomics, 2016, 43, 273-288.	1.7	17
10	CRISPR-mediated genome editing and human diseases. Genes and Diseases, 2016, 3, 244-251.	1.5	70
11	Guide RNA engineering for versatile Cas9 functionality. Nucleic Acids Research, 2016, 44, gkw908.	6.5	55
13	CRISPR-Cas9 gene editing: Delivery aspects and therapeutic potential. Journal of Controlled Release, 2016, 244, 139-148.	4.8	52
14	Reviews of Science for Science Librarians: CRISPR-Cas9 Revolutionizes Gene Editing. Science and Technology Libraries, 2016, 35, 221-227.	0.8	4
15	Is there a future for genome-editing technologies in conservation?. Animal Conservation, 2016, 19, 97-101.	1.5	45
16	<sc>CRISPR</sc>â€Cas9 technology and its application in haematological disorders. British Journal of Haematology, 2016, 175, 208-225.	1.2	22
17	CRISPR-Cas9 therapeutics in cancer: promising strategies and present challenges. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1866, 197-207.	3.3	45
18	mRNA-based therapeuticsâ€Advances and perspectives. Biochemistry (Moscow), 2016, 81, 709-722.	0.7	49
19	Introduction to Gene Editing and Manipulation Using CRISPR/Cas9 Technology. Current Protocols in Molecular Biology, 2016, 115, 31.4.1-31.4.6.	2.9	6
21	Diving into marine genomics with CRISPR/Cas9 systems. Marine Genomics, 2016, 30, 55-65.	0.4	29

#	ARTICLE	IF	CITATIONS
22	Editing the Genome: Prospects, Progress, Implications, and Cautions. <i>Current Genetic Medicine Reports</i> , 2017, 5, 35-43.	1.9	3
23	Gene therapy for diabetic retinopathy: Are we ready to make the leap from bench to bedside?. , 2017, 173, 1-18.		34
24	Editorial: An expanded view of viruses. <i>FEMS Microbiology Reviews</i> , 2017, 41, 1-4.	3.9	10
25	CRISPR/CAS9 Technologies. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 883-888.	3.1	19
26	CRISPR/Cas9-Mediated Generation of Niemann-Pick C1 Knockout Cell Line. <i>Methods in Molecular Biology</i> , 2017, 1583, 73-83.	0.4	11
27	Optimization of the production of knock-in alleles by CRISPR/Cas9 microinjection into the mouse zygote. <i>Scientific Reports</i> , 2017, 7, 42661.	1.6	59
28	Visualizing biological reaction intermediates with DNA curtains. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 153001.	1.3	11
29	CRISPR/Cas system for yeast genome engineering: advances and applications. <i>FEMS Yeast Research</i> , 2017, 17, .	1.1	140
30	CRISPR Editing in Biological and Biomedical Investigation. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4152-4162.	1.2	6
31	Developmental history and application of CRISPR in human disease. <i>Journal of Gene Medicine</i> , 2017, 19, e2963.	1.4	9
32	Review. Development, Applications, Benefits, Challenges and Limitations of the New Genome Engineering Technique. An Update Study. <i>Acta Marisensis - Seria Medica</i> , 2017, 63, 4-9.	0.3	5
33	Genome-editing technologies and patent landscape overview. <i>Pharmaceutical Patent Analyst</i> , 2017, 6, 115-134.	0.4	4
35	CRISPR/Cas9 targeting events cause complex deletions and insertions at 17 sites in the mouse genome. <i>Nature Communications</i> , 2017, 8, 15464.	5.8	250
36	Bioengineered silkworms with butterfly cytotoxin-modified silk glands produce sericin cocoons with a utility for a new biomaterial. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6740-6745.	3.3	18
37	Ethical issues of CRISPR technology and gene editing through the lens of solidarity. <i>British Medical Bulletin</i> , 2017, 122, 17-29.	2.7	57
39	The emperor's new wardrobe: Rebalancing diversity of animal models in neuroscience research. <i>Science</i> , 2017, 358, 466-469.	6.0	102
40	Next generation tissue engineering of orthopedic soft tissue-to-bone interfaces. <i>MRS Communications</i> , 2017, 7, 289-308.	0.8	43
41	Futuristic Look at Genetic and Birth Defect Diagnoses and Treatments. <i>Clinical Obstetrics and Gynecology</i> , 2017, 60, 867-877.	0.6	0

#	ARTICLE	IF	CITATIONS
42	Personalized Therapy Against Preeclampsia by Replenishing Placental Protein 13 (PP13) Targeted to Patients With Impaired PP13 Molecule or Function. Computational and Structural Biotechnology Journal, 2017, 15, 433-446.	1.9	12
43	How the Other Half Lives: CRISPR-Cas™s Influence on Bacteriophages. , 2017, , 63-85.		1
44	The Evolution of gene regulation research in Lactococcus lactis. FEMS Microbiology Reviews, 2017, 41, S220-S243.	3.9	40
45	CRISPR/CAS9, the king of genome editing tools. Molecular Biology, 2017, 51, 514-525.	0.4	18
46	Advances in the application of genetic manipulation methods to apicomplexan parasites. International Journal for Parasitology, 2017, 47, 701-710.	1.3	47
48	What history tells us XLIV: The construction of the zinc finger nucleases. Journal of Biosciences, 2017, 42, 527-530.	0.5	1
49	Precision Medicine, CRISPR, and Genome Engineering. Advances in Experimental Medicine and Biology, 2017, , .	0.8	2
50	From Reductionism to Holism: Toward a More Complete View of Development Through Genome Engineering. Advances in Experimental Medicine and Biology, 2017, 1016, 45-74.	0.8	7
51	A decade of discovery: CRISPR functions and applications. Nature Microbiology, 2017, 2, 17092.	5.9	238
52	Protanopia (red color-blindness) in medaka: a simple system for producing color-blind fish and testing their spectral sensitivity. BMC Genetics, 2017, 18, 10.	2.7	23
53	Precision wildlife medicine: applications of the human-centred precision medicine revolution to species conservation. Global Change Biology, 2017, 23, 1792-1805.	4.2	32
54	CRISPR-Cas9: A revolution in genome editing in rheumatic diseases. Joint Bone Spine, 2017, 84, 1-4.	0.8	4
55	<sc>CRISPR</sc>: express delivery to any <sc>DNA</sc> address. Oral Diseases, 2017, 23, 5-11.	1.5	6
56	<sc>CRISPR</sc>-mediated efficient directed mutagenesis and <sc>RAD</sc>-dependent and <sc>RAD</sc>-independent gene targeting in the moss <i>Physcomitrella patens</i>. Plant Biotechnology Journal, 2017, 15, 122-131.	4.1	104
57	Progress and Prospects of CRISPR/Cas Systems in Insects and Other Arthropods. Frontiers in Physiology, 2017, 8, 608.	1.3	126
58	LncRNA MALAT1 Inhibits Apoptosis and Promotes Invasion by Antagonizing miR-125b in Bladder Cancer Cells. Journal of Cancer, 2017, 8, 3803-3811.	1.2	79
59	Commentary: CRISPR-Cas Encoding of a Digital Movie into the Genomes of a Population of Living Bacteria. Frontiers in Bioengineering and Biotechnology, 2017, 5, 57.	2.0	4
61	A novel method of gene transduction to the murine endometrium using &lt;i>in vivo</i> electroporation. Journal of Veterinary Medical Science, 2017, 79, 1573-1577.	0.3	3

#	ARTICLE	IF	CITATIONS
62	Current status and perspectives of genome editing technology for microalgae. <i>Biotechnology for Biofuels</i> , 2017, 10, 267.	6.2	102
63	Falling giants and the rise of gene editing: ethics, private interests and the public good. <i>Human Genomics</i> , 2017, 11, 20.	1.4	12
64	Drug discovery. , 2017, , 183-279.		1
65	CRISPR-Cas9: a promising tool for gene editing on induced pluripotent stem cells. <i>Korean Journal of Internal Medicine</i> , 2017, 32, 42-61.	0.7	45
66	The Time Is Ripe for Somatic Genome Editing: NIH Program to Strengthen Translation. <i>Molecular Therapy</i> , 2018, 26, 671-674.	3.7	6
67	New and emerging uses of CRISPR/Cas9 to genetically manipulate apicomplexan parasites. <i>Parasitology</i> , 2018, 145, 1119-1126.	0.7	32
68	Is it time to abandon the Nobel Prize?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 1196-1197.	1.4	1
69	Genomics and Genetic Manipulation of Protozoan Parasites Affecting Farm Animals. , 2018, , 413-438.		2
70	An overview of functional genomic tools in deciphering insecticide resistance. <i>Current Opinion in Insect Science</i> , 2018, 27, 103-110.	2.2	33
71	Development of capability for genome-scale CRISPR-Cas9 knockout screens in New Zealand. <i>Journal of the Royal Society of New Zealand</i> , 2018, 48, 245-261.	1.0	1
72	The genome, microbiome and evolutionary medicine. <i>Cmaj</i> , 2018, 190, E162-E166.	0.9	3
73	Recent Advances in CRISPR Base Editing: From A to RNA. <i>Biochemistry</i> , 2018, 57, 886-887.	1.2	3
74	History of CRISPR-Cas from Encounter with a Mysterious Repeated Sequence to Genome Editing Technology. <i>Journal of Bacteriology</i> , 2018, 200, .	1.0	273
75	Translating Knowledge Into Therapy for Acute Kidney Injury. <i>Seminars in Nephrology</i> , 2018, 38, 88-97.	0.6	22
76	New Role for an Old Protein: An Educational Primer for Use with "The Identification of a Novel Mutant Allele of topoisomerase II in <i>Caenorhabditis elegans</i> Reveals a Unique Role in Chromosome Segregation During Spermatogenesis". <i>Genetics</i> , 2018, 208, 79-88.	1.2	5
78	Big Data's Epistemology and Its Implications for Precision Medicine and Privacy. , 0, , 30-41.		2
79	Transgenic Mosquitoes " Fact or Fiction?. <i>Trends in Parasitology</i> , 2018, 34, 456-465.	1.5	58
80	Immunity to CRISPR Cas9 and Cas12a therapeutics. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2018, 10, e1408.	6.6	96

#	ARTICLE	IF	CITATIONS
81	Emerging and evolving concepts in gene essentiality. Nature Reviews Genetics, 2018, 19, 34-49.	7.7	230
83	CRISPR Cas9 – Licensing the unlicensable. Journal of Biotechnology, 2018, 265, 86-92.	1.9	6
85	Shape selective bifacial recognition of double helical DNA. Communications Chemistry, 2018, 1, .	2.0	30
86	CRISPR. Communications of the ACM, 2018, 62, 21-23.	3.3	0
87	“Doing CRISPR” Politics and the Life Sciences, 2018, 37, 220-235.	0.5	2
88	CRISPR/CAS Targeted in vivo Genome Modification for Studying the Functional Role of Genomic Regulatory Elements in Health and Carcinogenesis. Molecular Genetics, Microbiology and Virology, 2018, 33, 1-7.	0.0	0
89	Cellular Inflammatory Responses. , 2018, , 475-590.		0
90	How to do things with metaphors: engineering life as hodgepodge. Life Sciences, Society and Policy, 2018, 14, 22.	3.1	2
91	Pre-existing technological core and roots for the CRISPR breakthrough. PLoS ONE, 2018, 13, e0198541.	1.1	10
92	The CRISPR conundrum: evolve and maybe die, or survive and risk stagnation. Microbial Cell, 2018, 5, 262-268.	1.4	21
93	Genome Editing in Mice Using CRISPR/Cas9 Technology. Current Protocols in Cell Biology, 2018, 81, e57.	2.3	20
94	Delivering CRISPR: a review of the challenges and approaches. Drug Delivery, 2018, 25, 1234-1257.	2.5	776
95	Measuring the unmeasurable: assessing the quality of science and scientists. European Heart Journal, 2018, 39, 1765-1769.	1.0	8
96	Techniques in Biotechnology. , 2018, , 233-249.		6
97	LncRNA KCNQ1OT1 regulates proliferation and cisplatin resistance in tongue cancer via miR-211-5p mediated Ezrin/Fak/Src signaling. Cell Death and Disease, 2018, 9, 742.	2.7	188
98	CRISPR/Cas9 genome surgery for retinal diseases. Drug Discovery Today: Technologies, 2018, 28, 23-32.	4.0	10
100	65 YEARS OF THE DOUBLE HELIX: The advancements of gene editing and potential application to hereditary cancer. Endocrine-Related Cancer, 2018, 25, T141-T158.	1.6	3
101	CRISPR/Cas9, the Powerful New Genome-Editing Tool for Putative Therapeutics in Obesity. Journal of Molecular Neuroscience, 2018, 65, 10-16.	1.1	9

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102	Snipping around for food: Economic, ethical and policy implications of CRISPR/Cas genome editing. <i>Geoforum</i> , 2018, 96, 172-180.	1.4	48
103	Breeding of Animals <i>â††</i> ., 2018, , .		0
104	High doses of CRISPR/Cas9 ribonucleoprotein efficiently induce gene knockout with low mosaicism in the hydrozoan <i>Clytia hemisphaerica</i> through microhomology-mediated deletion. <i>Scientific Reports</i> , 2018, 8, 11734.	1.6	33
105	Application of CRISPR/Cas9 to <i>Tragopogon</i> (Asteraceae), an evolutionary model for the study of polyploidy. <i>Molecular Ecology Resources</i> , 2018, 18, 1427-1443.	2.2	31
106	CRISPR Technology for Breast Cancer: Diagnostics, Modeling, and Therapy. <i>Advanced Biology</i> , 2018, 2, 1800132.	3.0	11
107	CRISPR-Cas9: A New Addition to the Drug Metabolism and Disposition Tool Box. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1776-1786.	1.7	28
108	The role of molecular modelling and simulation in the discovery and deployment of metal-organic frameworks for gas storage and separation. <i>Molecular Simulation</i> , 2019, 45, 1082-1121.	0.9	74
109	Multifunctional Alleles: A novel method for the generation of "All-In-One" null and conditional alleles. <i>Methods</i> , 2019, 164-165, 91-99.	1.9	0
110	Single-Cell Editing: The CRISPR/Cas9 and Applications. , 2019, , 397-415.		1
111	CRISPR Craze to Transform Cardiac Biology. <i>Trends in Molecular Medicine</i> , 2019, 25, 791-802.	3.5	21
112	CRISPR/Cas9 genome editing technology in filamentous fungi: progress and perspective. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6919-6932.	1.7	102
113	Methods and applications of CRISPR/Cas system for genome editing in stem cells. <i>Cell Regeneration</i> , 2019, 8, 33-41.	1.1	24
114	Using CRISPR/Cas9 to model human liver disease. <i>JHEP Reports</i> , 2019, 1, 392-402.	2.6	20
115	Sustainable bioenergy for climate mitigation: developing drought-tolerant trees and grasses. <i>Annals of Botany</i> , 2019, 124, 513-520.	1.4	23
117	Preharvest factors affecting postharvest quality of horticultural products. <i>Acta Horticulturae</i> , 2019, , 11-20.	0.1	2
118	â¼LAS technology for DNA isolation coupled to Cas9-assisted targeting for sequencing and assembly of a 30 kb region in plant genome. <i>Nucleic Acids Research</i> , 2019, 47, 8050-8060.	6.5	6
119	Ethics of Human Genome Editing. <i>Annual Review of Medicine</i> , 2019, 70, 289-305.	5.0	59
120	State-of-the-art CRISPR/Cas9 Technology for Genome Editing in Trypanosomatids. <i>Journal of Eukaryotic Microbiology</i> , 2019, 66, 981-991.	0.8	26

#	ARTICLE	IF	CITATIONS
121	A Versatile Strategy to Reduce UGA-Selenocysteine Recoding Efficiency of the Ribosome Using CRISPR-Cas9-Viral-Like-Particles Targeting Selenocysteine-tRNA[Ser]Sec Gene. <i>Cells</i> , 2019, 8, 574.	1.8	12
122	CRISPR/Cas9 guided genome and epigenome engineering and its therapeutic applications in immune mediated diseases. <i>Seminars in Cell and Developmental Biology</i> , 2019, 96, 32-43.	2.3	9
123	Enhancing the Therapeutic Potential of Mesenchymal Stem Cells with the CRISPR-Cas System. <i>Stem Cell Reviews and Reports</i> , 2019, 15, 463-473.	5.6	25
124	The digitization of organic synthesis. <i>Nature</i> , 2019, 570, 175-181.	13.7	69
125	CRISPR technology to combat plant RNA viruses: A theoretical model for Potato virus Y (PVY) resistance. <i>Microbial Pathogenesis</i> , 2019, 133, 103551.	1.3	8
126	A CRISPR/Cas9 based polymeric nanoparticles to treat/inhibit microbial infections. <i>Seminars in Cell and Developmental Biology</i> , 2019, 96, 44-52.	2.3	21
127	Chipping in on Diagnostics. <i>CRISPR Journal</i> , 2019, 2, 69-71.	1.4	4
128	Walk the Line: Debating a Germline Editing Moratorium. <i>CRISPR Journal</i> , 2019, 2, 74-76.	1.4	1
129	Food Biotechnology: Sculpting Genes with Genetic Engineering. , 2019, , 261-286.		1
130	Future Foods. , 2019, , .		45
131	Utilization of the CRISPR-Cas9 Gene Editing System to Dissect Neuroinflammatory and Neuropharmacological Mechanisms in Parkinson's Disease. <i>Journal of NeuroImmune Pharmacology</i> , 2019, 14, 595-607.	2.1	16
132	CRISPR/Cas9: a powerful tool for identification of new targets for cancer treatment. <i>Drug Discovery Today</i> , 2019, 24, 955-970.	3.2	52
133	CRISPR-mediated genome editing in non-conventional yeasts for biotechnological applications. <i>Microbial Cell Factories</i> , 2019, 18, 63.	1.9	102
134	CRISPR-Cas changing biology?. <i>Biology and Philosophy</i> , 2019, 34, 1.	0.7	1
135	Evidence Falsifying the Double Helix Model. <i>Symmetry</i> , 2019, 11, 1445.	1.1	1
136	Atypical organizations and epistatic interactions of CRISPRs and cas clusters in genomes and their mobile genetic elements. <i>Nucleic Acids Research</i> , 2020, 48, 748-760.	6.5	32
137	Detecting contamination in viromes using ViromeQC. <i>Nature Biotechnology</i> , 2019, 37, 1408-1412.	9.4	69
138	The accelerating pace of biotech democratization. <i>Nature Biotechnology</i> , 2019, 37, 1403-1408.	9.4	9



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139	Progress in the application of CRISPR: From gene to base editing. <i>Medicinal Research Reviews</i> , 2019, 39, 665-683.	5.0	21
140	Cancer Diagnostics and Therapeutics. <i>Bioanalysis</i> , 2019, , 33-66.	0.1	0
141	CRISPRâ€“Cas9 in genome editing: Its function and medical applications. <i>Journal of Cellular Physiology</i> , 2019, 234, 5751-5761.	2.0	29
142	CRISPR/Cas system: A game changing genome editing technology, to treat human genetic diseases. <i>Gene</i> , 2019, 685, 70-75.	1.0	37
144	Harnessing CRISPR/Cas 9 System for manipulation of DNA virus genome. <i>Reviews in Medical Virology</i> , 2019, 29, e2009.	3.9	16
145	Yeast genetic interaction screens in the age of CRISPR/Cas. <i>Current Genetics</i> , 2019, 65, 307-327.	0.8	29
146	CRISPR technology for immuno-oncology applications. <i>Methods in Enzymology</i> , 2020, 635, 251-266.	0.4	1
147	Big data and prediction: Four case studies. <i>Studies in History and Philosophy of Science Part A</i> , 2020, 81, 96-104.	0.6	13
148	Advancing to precision medicine through big data and artificial intelligence. , 2020, , 337-349.		3
149	Prospects for potato genome editing to engineer resistance against viruses and cold-induced sweetening. <i>GM Crops and Food</i> , 2020, 11, 185-205.	2.0	12
150	Genome Editing and Hematologic Malignancy. <i>Annual Review of Medicine</i> , 2020, 71, 71-83.	5.0	1
151	CRISPR-associated nucleases: the Dawn of a new age of efficient crop improvement. <i>Transgenic Research</i> , 2020, 29, 1-35.	1.3	31
152	Pediatric genomics and precision medicine in childhood. , 2020, , 143-152.		3
153	Recent advances in mammalian reproductive biology. <i>Science China Life Sciences</i> , 2020, 63, 18-58.	2.3	23
154	Ethical questions in gene therapy. , 2020, , 525-531.		0
155	CRISPR-Cas9: A Promising Genome Editing Therapeutic Tool for Alzheimerâ€™s Diseaseâ€”A Narrative Review. <i>Neurology and Therapy</i> , 2020, 9, 419-434.	1.4	24
156	Innovative Therapeutic and Delivery Approaches Using Nanotechnology to Correct Splicing Defects Underlying Disease. <i>Frontiers in Genetics</i> , 2020, 11, 731.	1.1	14
157	Advances in CRISPR technologies enable novel in vitro tools for ADME studies. , 2020, , 595-607.		0

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158	Overview of Tissue Engineering Concepts and Applications. , 2020, , 1289-1316.		4
159	Thereâ€™re CRISPRs in My Yogurt: A Discovery-Based CURE at the Intersection of Industrial Food Production and the Human Microbiome. <i>Frontiers in Microbiology</i> , 2020, 11, 578737.	1.5	3
160	A brief introduction to microbiology and biotechnology. , 2020, , 1-30.		1
161	Uncertainty, institutions and regulatory responses to emerging technologies: <scp>CRISPR</scp> Gene editing in the <scp>US</scp> and the <scp>EU</scp> (2012â€“2019). <i>Regulation and Governance</i> , 2021, 15, 1111-1127.	1.9	12
162	CRISPR: a journey of gene-editing based medicine. <i>Genes and Genomics</i> , 2020, 42, 1369-1380.	0.5	4
163	Viral Related Tools against SARS-CoV-2. <i>Viruses</i> , 2020, 12, 1172.	1.5	3
164	Biotechnology Tools Derived from the Bacteriophage/Bacteria Arms Race. , 2020, , .		0
165	Theranostic cancer applications utilized by nanoparticles offering multimodal systems and future insights. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	10
166	Enzyme-Assisted Nucleic Acid Detection for Infectious Disease Diagnostics: Moving toward the Point-of-Care. <i>ACS Sensors</i> , 2020, 5, 2701-2723.	4.0	56
167	Covalent Modifications of the Bacteriophage Genome Confer a Degree of Resistance to Bacterial CRISPR Systems. <i>Journal of Virology</i> , 2020, 94, .	1.5	32
168	A CRISPR-based method for testing the essentiality of a gene. <i>Scientific Reports</i> , 2020, 10, 14779.	1.6	9
169	Precision Technologies for Agriculture: Digital Farming, Gene-Edited Crops, and the Politics of Sustainability. <i>Global Environmental Politics</i> , 2020, 20, 49-69.	1.7	100
170	A case for integrative epistemology. <i>Synthese</i> , 2021, 198, 12021-12039.	0.6	1
171	CRISPR/Cas9 from bench to bedside: what clinicians need to know before application?. <i>Military Medical Research</i> , 2020, 7, 61.	1.9	6
173	Recent Advances in CRISPR/Cas9 Delivery Strategies. <i>Biomolecules</i> , 2020, 10, 839.	1.8	164
175	On the value of model diversity in neuroscience. <i>Nature Reviews Neuroscience</i> , 2020, 21, 395-396.	4.9	39
176	CRISPRâ€dCas9â€mediated knockdown of <i>prtR</i>, an essential gene in <i>Pseudomonas aeruginosa</i>. <i>Letters in Applied Microbiology</i> , 2020, 71, 386-393.	1.0	5
177	CRISPR recognizes as many phage types as possible without overwhelming the Cas machinery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7550-7552.	3.3	3

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178	Programmable removal of bacterial pathogens using CRISPR-Cas9 system. , 2020, , 39-44.		1
179	Pathologist at work. , 2020, , 161-186.		0
180	Principles, Applications, and Biosafety of Plant Genome Editing Using CRISPR-Cas9. <i>Frontiers in Plant Science</i> , 2020, 11, 56.	1.7	133
182	Effects of a patient-derived de novo coding alteration of CACNA1I in mice connect a schizophrenia risk gene with sleep spindle deficits. <i>Translational Psychiatry</i> , 2020, 10, 29.	2.4	25
183	Whole-Genome Sequencing of <i>Lactobacillus helveticus</i> D75 and D76 Confirms Safety and Probiotic Potential. <i>Microorganisms</i> , 2020, 8, 329.	1.6	20
184	Trends of CRISPR technology development and deployment into Agricultural Production-Consumption Systems. <i>World Patent Information</i> , 2020, 60, 101944.	0.7	16
185	sgRNA-PSM: Predict sgRNAs On-Target Activity Based on Position-Specific Mismatch. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 20, 323-330.	2.3	13
186	Considerations in adapting CRISPR/Cas9 in nongenetic model plant systems. <i>Applications in Plant Sciences</i> , 2020, 8, e11314.	0.8	56
187	Idea twins: Simultaneous discoveries as a research tool. <i>Strategic Management Journal</i> , 2020, 41, 1528-1543.	4.7	11
188	Targeting cancer epigenetics with CRISPR-dCAS9: Principles and prospects. <i>Methods</i> , 2021, 187, 77-91.	1.9	16
189	CRISPR/Cas9: A new tool for the study and control of helminth parasites. <i>BioEssays</i> , 2021, 43, e2000185.	1.2	15
190	A versatile biosensing platform coupling CRISPR-Cas12a and aptamers for detection of diverse analytes. <i>Science Bulletin</i> , 2021, 66, 69-77.	4.3	47
192	Nanotechnology for virus treatment. <i>Nano Today</i> , 2021, 36, 101031.	6.2	58
193	Approaching the genetic dissection of indirect adventitious organogenesis process in tomato explants. <i>Plant Science</i> , 2021, 302, 110721.	1.7	2
194	CRISPR technology: The engine that drives cancer therapy. <i>Biomedicine and Pharmacotherapy</i> , 2021, 133, 111007.	2.5	30
195	Sustainability in the management of scientific information. <i>Sustainability Science</i> , 2021, 16, 329-336.	2.5	0
196	Myostatin site-directed mutation and simultaneous PPAR $\beta$ site-directed knockin in bovine genome. <i>Journal of Cellular Physiology</i> , 2021, 236, 2592-2605.	2.0	9
197	Technological change in the production of new scientific knowledge: a second look. <i>Economics of Innovation and New Technology</i> , 2021, 30, 371-381.	2.1	12

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198	CRISPR/Cas9-based genome engineering in HIV gene therapy. E3S Web of Conferences, 2021, 233, 02004.	0.2	1
199	Genome editing in stem cells for genetic neurodisorders. Progress in Molecular Biology and Translational Science, 2021, 182, 403-438.	0.9	6
200	Content knowledge and social factors influence student moral reasoning about CRISPR/Cas9 in humans. Journal of Research in Science Teaching, 2021, 58, 790-821.	2.0	7
201	Probiotic lactobacillus strains for enhanced health benefits (genetic engineering and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 622		
202	CRISPR-based strategies in infectious disease diagnosis and therapy. Infection, 2021, 49, 377-385.	2.3	19
203	Patenting dynamics in CRISPR gene editing technologies. , 2021, , 405-439.		1
204	Genome editing for plant research and crop improvement. Journal of Integrative Plant Biology, 2021, 63, 3-33.	4.1	70
205	Application of Genome Editing Tools to Accelerate Potato (Solanum tuberosum L.) Breeding. , 2021, , 489-512.		0
206	Increased Efficiency for Biallelic Mutations of the CCR5 Gene by CRISPR-Cas9 Using Multiple Guide RNAs As a Novel Therapeutic Option for Human Immunodeficiency Virus. CRISPR Journal, 2021, 4, 92-103.	1.4	10
207	Delivering High-Quality, Equitable Care in India: An Ethically-Resilient Framework for Healthcare Innovation After COVID-19. Frontiers in Public Health, 2021, 9, 640598.	1.3	3
208	Is Animal Welfare Promoting Hornless Cattle? Assessing Consumer's Valuation for Milk from Gene-edited Cows under Different Information Regimes. Journal of Agricultural Economics, 2021, 72, 735-759.	1.6	22
209	Nano-Oncologics: A Tortoise Trail Reaching New Avenues. Advanced Functional Materials, 2021, 31, 2009860.	7.8	13
210	Active Delivery of CRISPR System Using Targetable or Controllable Nanocarriers. Small, 2021, 17, e2005222.	5.2	12
211	Practical Approaches for Knock-Out Gene Editing in Pigs. Frontiers in Genetics, 2020, 11, 617850.	1.1	6
212	Analysis of "The Small Farmer" by Gastón Acurio: A case of poverty romance in organic discourse. Revista Perspectiva Empresarial, 2021, 7, 24-35.	0.1	0
213	Improving Acetic Acid and Furfural Resistance of Xylose-Fermenting Saccharomyces cerevisiae Strains by Regulating Novel Transcription Factors Revealed via Comparative Transcriptomic Analysis. Applied and Environmental Microbiology, 2021, 87, .	1.4	17
214	Fighting about frequency. Synthèse, 2021, 199, 7777-7797.	0.6	4
215	CRISPR/Cas9 Ribonucleoprotein-Based Genome Editing Methodology in the Marine Protozoan Parasite Perkinsus marinus. Frontiers in Bioengineering and Biotechnology, 2021, 9, 623278.	2.0	5

#	ARTICLE	IF	CITATIONS
216	CRISPR Genome Editing Technology and its Application in Genetic Diseases: A Review. <i>Current Pharmaceutical Biotechnology</i> , 2021, 22, 468-479.	0.9	2
217	RNA helicase DDX5 enables STAT1 mRNA translation and interferon signalling in hepatitis B virus replicating hepatocytes. <i>Gut</i> , 2022, 71, 991-1005.	6.1	23
218	History of plant genetic mutations ± human influences. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2021, 57, 554.	0.9	1
219	Genome editing for crop improvement: A perspective from India. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2021, 57, 565-573.	0.9	16
220	Age-Related Macular Degeneration: Pathophysiology, Management, and Future Perspectives. <i>Ophthalmologica</i> , 2021, 244, 495-511.	1.0	48
221	The trends in CRISPR research: A patent and literature study with a focus on India. <i>World Patent Information</i> , 2021, 65, 102038.	0.7	3
222	A Bibliometric Analysis of Research on CRISPR in Social Sciences and Humanities. <i>Re:GEN Open</i> , 2021, 1, 14-23.	0.7	2
223	<i>Halobacterium salinarum</i> and <i>Haloferax volcanii</i> Comparative Transcriptomics Reveals Conserved Transcriptional Processing Sites. <i>Genes</i> , 2021, 12, 1018.	1.0	5
224	Marine Actinomycetes, New Sources of Biotechnological Products. <i>Marine Drugs</i> , 2021, 19, 365.	2.2	57
225	Impacto de un artículo en la era social: ¿es lo mismo tuitear que citar?. <i>Nefrologia</i> , 2021, , .	0.2	0
226	A highly efficient identification of mutants generated by CRISPR/Cas9 using the non-functional DsRed assisted selection in <i>Aspergillus oryzae</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 132.	1.7	8
227	Genome Editing Technologies as Cellular Defense Against Viral Pathogens. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 716344.	1.8	5
228	Spanish microbiology in an era of constant advances: a view from the battleground. <i>International Microbiology</i> , 2021, 24, 649-655.	1.1	0
230	Therapeutic Potential of EWSR1-FLI1 Inactivation by CRISPR/Cas9 in Ewing Sarcoma. <i>Cancers</i> , 2021, 13, 3783.	1.7	15
231	Governance in the Era of CRISPR and DIY-Bio. , 2021, , 65-76.		0
232	Nanoparticles and trained immunity: Glimpse into the future. <i>Advanced Drug Delivery Reviews</i> , 2021, 175, 113821.	6.6	10
233	Harnessing model organism genomics to underpin the machine learning-based prediction of essential genes in eukaryotes – Biotechnological implications. <i>Biotechnology Advances</i> , 2022, 54, 107822.	6.0	9
234	The Off-Targets of Clustered Regularly Interspaced Short Palindromic Repeats Gene Editing. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 718466.	1.8	11

#	ARTICLE	IF	CITATIONS
235	Harnessing snakehead rhabdovirus (SHRV) for gene editing by installment of CRISPR/Cas9 in viral genome. <i>Virus Research</i> , 2021, 305, 198578.	1.1	1
236	Applications of innovative gene-editing technologies in respiratory diseases. , 2021, , 45-59.		0
237	Erratic journey of CRISPR/Cas9 in oncology from bench-work to successful-clinical therapy. <i>Cancer Treatment and Research Communications</i> , 2021, 27, 100289.	0.7	7
238	CRISPR/Cas9 and Cas13a systems: a promising tool for plant breeding and plant defence. , 2021, , 211-231.		1
239	Genetic Ethics and Other Cutting-Edge Issues. , 2021, , 205-219.		0
240	Gene therapy in PIDs, hemoglobin, ocular, neurodegenerative, and hemophilia B disorders. <i>Open Life Sciences</i> , 2021, 16, 431-441.	0.6	2
241	Genetic Improvement of Wine Yeasts. , 2019, , 315-342.		3
242	Beach to Bench to Bedside: Marine Invertebrate Biochemical Adaptations and Their Applications in Biotechnology and Biomedicine. <i>Results and Problems in Cell Differentiation</i> , 2018, 65, 359-376.	0.2	3
243	Big Data, Health Law, and Bioethics. , 2018, , .		17
246	PubMed Commons closes its doors to comments. <i>Nature</i> , 0, , .	13.7	6
247	CRISPR Highlights and Transition of Cas9 into a Genome Editing Tool. <i>Chemical Biology</i> , 2018, , 391-407.	0.1	1
248	Reuse in STEM research writing. <i>AILA Review</i> , 2020, 33, 120-135.	0.2	2
251	Gene Therapy Approach for Intervertebral Disc Degeneration: An Update. <i>Neurospine</i> , 2020, 17, 3-14.	1.1	34
252	Current Progress in Production of Flavonoids using Systems and Synthetic Biology Platforms. <i>Sains Malaysiana</i> , 2018, 47, 3077-3084.	0.3	10
253	Is the Patent System the Way Forward with the CRISPR-Cas 9 Technology?. <i>Science and Technology Studies</i> , 2020, 33, 2-23.	0.6	5
254	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
256	Excitation et crispations autour de CRISPR : lorsque la réalité passe la science-fiction. <i>Les Cahiers De Myologie</i> , 2016, , 80-86.	0.0	1
257	Advances in biotechnology: Genomics and genome editing. <i>The EuroBiotech Journal</i> , 2017, 1, 2-9.	0.5	1

#	ARTICLE	IF	CITATIONS
258	Approaches to Understanding the Genetic Basis of Complex Diseases: Overviewâ€”What Is the Rationale for the Genome-Wide Approach to Understand Complex Diseases, Its Application and Limitations. Respiratory Disease Series, 2018, , 15-35.	0.1	0
259	CRISPR/CAS targeted in vivo genome modification for studying functional role of genomic regulatory elements in health and carcinogenesis. Molekuliarnaia Genetika, Mikrobiologiiia I Virusologiiia, 2018, 36, 3.	0.1	0
262	64. The logic, methodological and practical flaws of the harm-benefit-analysis in Directive 2010/63/EU. , 2018, , .		0
263	La toma de decisiones y CRISPR: Â¿QuiÃ©n es dueÃ±o de mis genes?. InvestigaciÃ³n Y Ciencia De La Universidad AutÃ³noma De Aguascalientes, 2018, , 81-84.	0.1	0
264	Apie bandymÃ… atverti juodÃ…sias mokslo dÃ—Ã¼es (2). Sociologija Mintis Ir Veiksmas, 2018, 43, 7-42.	0.2	2
266	CRISPR/CAS r;½ ADAPTIVE IMMUNE SYSTEM IN THE BATTERIES AND THE PENOMENES OF ITS APPLICATION IN THE EDITING OF GENES. Bulletin of Problems Biology and Medicine, 2019, 1, 46.	0.0	0
267	Gene Editing from theÂ Perspective of Spanish Law. VerÃ¶ffentlichungen Des Instituts FÃ¼r Deutsches, EuropÃ¤isches Und Internationales Medizinrecht, Gesundheitsrecht Und Bioethik Der UniversitÃ ten Heidelberg Und Mannheim, 2020, , 389-411.	0.2	0
269	The CRISPR System and Cancer Immunotherapy Biomarkers. Methods in Molecular Biology, 2020, 2055, 301-322.	0.4	2
270	Detection of CRISPR cassettes and cas genes in the Arabidopsis thaliana genome. Vavilovskii Zhurnal Genetiki I Selekcii, 2019, 23, 809-816.	0.4	0
271	La ediciÃ³n gÃ©nica llama a las puertas del arte. BoletÃ n De Arte, 2019, , 319-326.	0.0	0
272	CRISPR Technology Cracking into Creation. Journal of Insurance Medicine (New York, N Y), 2020, 48, 144-148.	0.1	1
276	The history of CRISPR: from discovery to the present. , 2022, , 1-6.		0
277	A History of Mouse Genetics: From Fancy Mice to Mutations in Every Gene. Advances in Experimental Medicine and Biology, 2020, 1236, 1-38.	0.8	3
278	Invasive Species Control and Resolution of Wildlife Damage Conflicts: A Framework for Chemical and Genetically Based Management Methods. Topics in Biodiversity and Conservation, 2020, , 193-222.	0.3	1
279	Sal mediterrÃ¡nea, yogur, genÃ©tica e inmunoterapia. Acta Medica Costarricense, 2018, 60, .	0.1	0
280	Genetically Modified Citrus: Current Status, Prospects, and Future Challenges. , 2021, , 161-201.		1
282	Recent advances in innovative therapeutic approaches for Duchenne muscular dystrophy: from discovery to clinical trials. American Journal of Translational Research (discontinued), 2016, 8, 2471-89.	0.0	57
283	THE GORDON WILSON LECTURE: THE ETHICS OF HUMAN GENOME EDITING. Transactions of the American Clinical and Climatological Association, 2020, 131, 99-118.	0.9	1

#	ARTICLE	IF	CITATIONS
284	Genetic modification of cystic fibrosis with $\Delta$ F508 mutation of CFTR gene using the CRISPR system in peripheral blood mononuclear cells. Iranian Journal of Basic Medical Sciences, 2021, 24, 73-78.	1.0	3
285	Speciation, Process of. , 2024, , 622-646.		0
286	Genomic Analyses of <i>Pediococcus pentosaceus</i> ST65ACC, a Bacteriocinogenic Strain Isolated from Artisanal Raw-Milk Cheese. Probiotics and Antimicrobial Proteins, 2023, 15, 630-645.	1.9	7
287	Research Trends and Challenges of Using CRISPR/Cas9 for Improving Rice Productivity. Agronomy, 2022, 12, 164.	1.3	6
288	Past, present and future of ICSI in livestock species. Animal Reproduction Science, 2022, 246, 106925.	0.5	12
289	Noble Metal Nanoparticle Biosensors: From Fundamental Studies toward Point-of-Care Diagnostics. Accounts of Chemical Research, 2022, 55, 593-604.	7.6	30
290	CRISPR-Cas-Led Revolution in Diagnosis and Management of Emerging Plant Viruses: New Avenues Toward Food and Nutritional Security. Frontiers in Nutrition, 2021, 8, 751512.	1.6	15
293	Zusammenfassung und Schlussfolgerungen. , 2022, , 235-255.		0
294	Powerful CRISPR-Based Biosensing Techniques and Their Integration With Microfluidic Platforms. Frontiers in Bioengineering and Biotechnology, 2022, 10, 851712.	2.0	9
295	Inovações em diagnósticos e tratamentos para combater a epidemia do HIV. Research, Society and Development, 2022, 11, e27911423605.	0.0	0
296	CRISPR based therapeutics: a new paradigm in cancer precision medicine. Molecular Cancer, 2022, 21, 85.	7.9	15
297	Transposase-CRISPR mediated targeted integration (TransCRISTI) in the human genome. Scientific Reports, 2022, 12, 3390.	1.6	4
298	Tumor immunology CRISPR screening: present, past, and future. Trends in Cancer, 2022, 8, 210-225.	3.8	17
299	CRISPR-Cas9 gene editing induced complex on-target outcomes in human cells. Experimental Hematology, 2022, 110, 13-19.	0.2	6
300	From DNA break repair pathways to CRISPR/Cas-mediated gene knock-in methods. Life Sciences, 2022, 295, 120409.	2.0	5
301	Controlling CRISPR-Cas9 by guide RNA engineering. Wiley Interdisciplinary Reviews RNA, 2023, 14, e1731.	3.2	6
304	CRISPR-to-Kill (C2K)-Employing the Bacterial Immune System to Kill Cancer Cells. Cancers, 2021, 13, 6306.	1.7	5
305	The Potential of CRISPR/Cas9 Gene Editing as a Treatment Strategy for Inherited Diseases. Frontiers in Cell and Developmental Biology, 2021, 9, 699597.	1.8	19



#	ARTICLE	IF	CITATIONS
306	Bioprospecting <i>Kluyveromyces marxianus</i> as a Robust Host for Industrial Biotechnology. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 851768.	2.0	18
314	Reverting TP53 Mutation in Breast Cancer Cells: Prime Editing Workflow and Technical Considerations. <i>Cells</i> , 2022, 11, 1612.	1.8	7
315	Impact of an article in the social age: Is tweeting the same as citing?. <i>Nefrologia</i> , 2022, 42, 125-125.	0.2	0
316	CrisprVi: a software for visualizing and analyzing CRISPR sequences of prokaryotes. <i>BMC Bioinformatics</i> , 2022, 23, .	1.2	1
318	Challenges Facing CRISPR/Cas9-Based Genome Editing in Plants. <i>Frontiers in Plant Science</i> , 2022, 13, .	1.7	34
321	Understanding on CRISPR/Cas9 mediated cutting-edge approaches for cancer therapeutics. <i>Discover Oncology</i> , 2022, 13, .	0.8	2
322	CRISPR/Cas9 applications for improvement of soybeans, current scenarios, and future perspectives. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2022, 50, 12678.	0.5	3
323	Nutrition as primary prevention of communicable diseases?. <i>Hygiene</i> , 2022, 67, 56-60.	0.1	0
324	Bioengineered Silkworm for Producing Cocoons with High Fibroin Content for Regenerated Fibroin Biomaterial-Based Applications. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7433.	1.8	4
325	The Inverse Krogh Principle: All Organisms Are Worthy of Study. <i>Physiological and Biochemical Zoology</i> , 2023, 96, 1-16.	0.6	6
326	A Novel CRISPR-MultiTargeter Multi-agent Reinforcement learning (CMT-MARL) algorithm to identify editable target regions using a Hybrid scoring from multiple similar sequences. <i>Applied Intelligence</i> , 2023, 53, 9562-9579.	3.3	0
328	CRISPRâ€œCas9: current and future utilities in ocular diseases. , 2022, , 615-623.		0
329	RecBCD enzyme and Chi recombination hotspots as determinants of self vs. non-self: Myths and mechanisms. <i>Advances in Genetics</i> , 2022, , 1-37.	0.8	6
330	Genome Editing in Crops Via Homology-Directed Repair Using a Geminivirus-Based CRISPR/Cas9 System. , 2022, , 119-137.		0
331	Under the hood: The molecular biology driving gene therapy for the treatment of sickle cell disease. <i>Transfusion and Apheresis Science</i> , 2022, , 103566.	0.5	0
332	CRISPR/Cas: History and Perspectives. <i>Russian Journal of Developmental Biology</i> , 2022, 53, 272-282.	0.1	4
333	CRISPR/Cas systems accelerating the development of aptasensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116775.	5.8	7
334	A comprehensive overview of CRISPR/Cas 9 technology and application thereof in drug discovery. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 1674-1698.	1.2	7

#	ARTICLE	IF	CITATIONS
336	Efficient gene replacement by CRISPR/Cas9-mediated homologous recombination in the model diatom <i>Thalassiosira pseudonana</i> . <i>New Phytologist</i> , 2023, 238, 438-452.	3.5	8
337	Personalised medicine: Breakthroughs in DNA analysis. <i>The Optician</i> , 2016, 2016, 143890-1.	0.0	0
338	Applying CRISPR-Cas9 screens to dissect hematological malignancies. <i>Blood Advances</i> , 2023, 7, 2252-2270.	2.5	2
341	Recent advances and challenges in potato improvement using CRISPR/Cas genome editing. <i>Planta</i> , 2023, 257, .	1.6	9
342	Maximizing the Efficacy of CRISPR/Cas Homology-Directed Repair Gene Targeting. , 0, , .		0
343	Gene and cell therapy approaches for familial hypercholesterolemia: An update. <i>Drug Discovery Today</i> , 2023, 28, 103470.	3.2	1
344	The coordination of anti-phage immunity mechanisms in bacterial cells. <i>Nature Communications</i> , 2022, 13, .	5.8	4
345	Applications and challenges of harnessing genome editing in oilseed crops. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2023, 32, 751-772.	0.9	2
346	Making headway toward enduring changes: perspectives on breeding tree crops through genome editing. <i>Tree Genetics and Genomes</i> , 2023, 19, .	0.6	0
347	CRISPR interference for sequence-specific regulation of fibroblast growth factor receptor A in <i>Schistosoma mansoni</i> . <i>Frontiers in Immunology</i> , 0, 13, .	2.2	2
348	Insights into the Mechanism of CRISPR/Cas9-Based Genome Editing from Molecular Dynamics Simulations. <i>ACS Omega</i> , 2023, 8, 1817-1837.	1.6	2
349	Governing gene-edited crops: risks, regulations, and responsibilities as perceived by agricultural genomics experts in Canada. <i>Journal of Responsible Innovation</i> , 2023, 10, .	2.3	2
350	CRISPR-Cas13 in malaria parasite: Diagnosis and prospective gene function identification. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	2
351	Visualizing the Nucleome Using the CRISPR-Cas9 System: From in vitro to in vivo. <i>Biochemistry (Moscow)</i> , 2023, 88, S123-S149.	0.7	1
352	Recent advances in therapeutic CRISPR-Cas9 genome editing: mechanisms and applications. <i>Molecular Biomedicine</i> , 2023, 4, .	1.7	3
353	Efficient correction of ABCA4 variants by CRISPR-Cas9 in hiPSCs derived from Stargardt disease patients. <i>Molecular Therapy - Nucleic Acids</i> , 2023, 32, 64-79.	2.3	4
355	Retroviruses: Reversing the dogma of life - A review. <i>Journal of Clinical Microbiology and Biochemical Technology</i> , 2022, 8, 018-028.	0.4	0
356	Advances in Genetic Editing of the Human Embryo. <i>American Journal of Therapeutics</i> , 2023, 30, e126-e133.	0.5	1

#	ARTICLE	IF	CITATIONS
357	Gene Drive: Past, Present and Future Roads to Vertebrate Biocontrol. , 2023, 2, 52-70.		2
358	High-Efficiency CRISPR/Cas9-Mediated Correction of a Homozygous Mutation in Achromatopsia-Patient-Derived iPSCs. International Journal of Molecular Sciences, 2023, 24, 3655.	1.8	2
359	No crops without seeds: the risks in declining support for fundamental research. , 2023, 2, 193-195.		0
360	Chemistry or Biology: That Is the Question. , 2023, , 167-175.		0
361	Therapeutic applications of <scp>CRISPR</scp>/Cas9 gene editing technology for the treatment of ocular diseases. FEBS Journal, 2023, 290, 5248-5269.	2.2	1
362	Drug discovery: Chaos can be your friend or your enemy. , 2023, , 417-511.		2
363	CRISPR/Cas-based Aptasensor as an Innovative Sensing Approaches for Food Safety Analysis: Recent Progresses and New Horizons. Critical Reviews in Analytical Chemistry, 0, , 1-19.	1.8	2
364	An Attempt to Identify the Medaka Receptor for Somatolactin Alpha Using a Reverse Genetics Approach. Genes, 2023, 14, 796.	1.0	0
366	Jean Gayon, History and Philosophy of Biology: A New Synthesis. History, Philosophy and Theory of the Life Sciences, 2023, , 63-77.	0.4	0
372	Die CRISPR/Cas-Technologie: Klassische und zukünftige Anwendungen in der Molekularbiologie und Medizin. , 2023, , 447-463.		0
381	Techniques for investigating lncRNA transcript functions in neurodevelopment. Molecular Psychiatry, 0, , .	4.1	1
383	Genome-Editing â€“ Gentherapie 2.0 oder nur eine Wunschvorstellung?. , 2023, , 103-120.		0
386	CRISPR/Cas: Photoshopping DNA. , 2024, , 169-179.		0
389	CRISPR-Cas and Its Applications in Food Production. , 2024, , 349-391.		0
390	CRISPR-Cas: A History of Discovery and Innovation. , 2024, , 1-16.		0
391	Clustered Regularly Interspaced Short Palindromic Repeats (CRISPR)-Associated Proteins (Cas) [CRISPRâ€™Cas]: An Emerging Technique in Plant Disease Detection and Management. , 2024, , 589-645.		0