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List of Publications by Year in descending order

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32
papers

10,336
citations

471509

17
h-index

414414

32
g-index

36
all docs

36
docs citations

36
times ranked

8795
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable editing of a target base in genomic DNA without double-stranded DNA cleavage. <i>Nature</i> , 2016, 533, 420-424.	27.8	3,662
2	Programmable base editing of A→C in genomic DNA without DNA cleavage. <i>Nature</i> , 2017, 551, 464-471.	27.8	2,807
3	CRISPR-Based Technologies for the Manipulation of Eukaryotic Genomes. <i>Cell</i> , 2017, 168, 20-36.	28.9	783
4	Increasing the genome-targeting scope and precision of base editing with engineered Cas9-cytidine deaminase fusions. <i>Nature Biotechnology</i> , 2017, 35, 371-376.	17.5	609
5	Improved base excision repair inhibition and bacteriophage Mu Gam protein yields C:G-to-T:A base editors with higher efficiency and product purity. <i>Science Advances</i> , 2017, 3, eaao4774.	10.3	582
6	Improving the DNA specificity and applicability of base editing through protein engineering and protein delivery. <i>Nature Communications</i> , 2017, 8, 15790.	12.8	343
7	The path for metal complexes to a DNA target. <i>Chemical Communications</i> , 2013, 49, 3617.	4.1	325
8	Global chemical effects of the microbiome include new bile-acid conjugations. <i>Nature</i> , 2020, 579, 123-129.	27.8	316
9	Base editing: advances and therapeutic opportunities. <i>Nature Reviews Drug Discovery</i> , 2020, 19, 839-859.	46.4	218
10	Editing the Genome Without Double-Stranded DNA Breaks. <i>ACS Chemical Biology</i> , 2018, 13, 383-388.	3.4	89
11	Cell-Selective Biological Activity of Rhodium Metalloinsertors Correlates with Subcellular Localization. <i>Journal of the American Chemical Society</i> , 2012, 134, 19223-19233.	13.7	77
12	A Hydrogen-Bond Facilitated Cycle for Oxygen Reduction by an Acid- and Base-Compatible Iron Platform. <i>Inorganic Chemistry</i> , 2009, 48, 10024-10035.	4.0	51
13	Selective Cytotoxicity of Rhodium Metalloinsertors in Mismatch Repair-Deficient Cells. <i>Biochemistry</i> , 2011, 50, 10919-10928.	2.5	48
14	An Unusual Ligand Coordination Gives Rise to a New Family of Rhodium Metalloinsertors with Improved Selectivity and Potency. <i>Journal of the American Chemical Society</i> , 2014, 136, 14160-14172.	13.7	39
15	Targeted Chemotherapy with Metal Complexes. <i>Comments on Inorganic Chemistry</i> , 2014, 34, 114-123.	5.2	31
16	Base editors: Expanding the types of DNA damage products harnessed for genome editing. <i>Gene and Genome Editing</i> , 2021, 1, 100005.	2.6	19
17	Computer simulations explain mutation-induced effects on the DNA editing by adenine base editors. <i>Science Advances</i> , 2020, 6, eaaz2309.	10.3	18
18	Base editors: modular tools for the introduction of point mutations in living cells. <i>Emerging Topics in Life Sciences</i> , 2019, 3, 483-491.	2.6	15

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19	Biological effects of simple changes in functionality on rhodium metalloinsertors. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120117.	3.4	14
20	CRISPR-derived genome editing therapies: Progress from bench to bedside. <i>Molecular Therapy</i> , 2021, 29, 3125-3139.	8.2	14
21	An Inducible, Isogenic Cancer Cell Line System for Targeting the State of Mismatch Repair Deficiency. <i>PLoS ONE</i> , 2013, 8, e78726.	2.5	12
22	Targeting double-strand break indel byproducts with secondary guide RNAs improves Cas9 HDR-mediated genome editing efficiencies. <i>Nature Communications</i> , 2022, 13, 2351.	12.8	11
23	Genome, Epigenome, and Transcriptome Editing via Chemical Modification of Nucleobases in Living Cells. <i>Biochemistry</i> , 2019, 58, 330-335.	2.5	10
24	Rewriting Human History and Empowering Indigenous Communities with Genome Editing Tools. <i>Genes</i> , 2020, 11, 88.	2.4	9
25	Double-tap gene drive uses iterative genome targeting to help overcome resistance alleles. <i>Nature Communications</i> , 2022, 13, 2595.	12.8	6
26	Examination of the Cell Cycle Dependence of Cytosine and Adenine Base Editors. <i>Frontiers in Genome Editing</i> , 0, 4, .	5.2	6
27	Base Editing in Human Cells to Produce Singleâ€Nucleotideâ€Variant Clonal Cell Lines. <i>Current Protocols in Molecular Biology</i> , 2020, 133, e129.	2.9	4
28	Combined Theoretical, Bioinformatic, and Biochemical Analyses of RNA Editing by Adenine Base Editors. <i>CRISPR Journal</i> , 2022, 5, 294-310.	2.9	4
29	The use of base editing technology to characterize single nucleotide variants. <i>Computational and Structural Biotechnology Journal</i> , 2022, 20, 1670-1680.	4.1	4
30	Singleâ€base editing of rs12603332 on Chromosome 17q21 with a Cytosine Base Editor regulates ORMDL3 and ATF61 \pm expression. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, , .	5.7	2
31	Celebrating Rosalind Franklinâ€™s Centennial with a Nobel Win for Doudna and Charpentier. <i>Molecular Therapy</i> , 2020, 28, 2519-2520.	8.2	2
32	Base Editing: Chemistry on the Genome. <i>FASEB Journal</i> , 2018, 32, 649.6.	0.5	0