Luke W Koblan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8528666/publications.pdf

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16 papers	7,341 citations	623699 14 h-index	940516 16 g-index
18 all docs	18 docs citations	18 times ranked	5677 citing authors

#	Article	IF	Citations
1	Search-and-replace genome editing without double-strand breaks or donor DNA. Nature, 2019, 576, 149-157.	27.8	2,662
2	Genome editing with CRISPRâ€“Cas nucleases, base editors, transposases and prime editors. Nature Biotechnology, 2020, 38, 824-844.	17.5	1,277
3	Improving cytidine and adenine base editors by expression optimization and ancestral reconstruction. Nature Biotechnology, 2018, 36, 843-846.	17.5	644
4	Improved base excision repair inhibition and bacteriophage Mu Gam protein yields C:G-to-T:A base editors with higher efficiency and product purity. Science Advances, 2017, 3, eaao4774.	10.3	582
5	Phage-assisted evolution of an adenine base editor with improved Cas domain compatibility and activity. Nature Biotechnology, 2020, 38, 883-891.	17.5	502
6	Cytosine and adenine base editing of the brain, liver, retina, heart and skeletal muscle of mice via adeno-associated viruses. Nature Biomedical Engineering, 2020, 4, 97-110.	22.5	293
7	In vivo base editing rescues Hutchinsonâ€“Gilford progeria syndrome in mice. Nature, 2021, 589, 608-614.	27.8	275
8	Programmable deletion, replacement, integration and inversion of large DNA sequences with twin prime editing. Nature Biotechnology, 2022, 40, 731-740.	17.5	230
9	Continuous evolution of base editors with expanded target compatibility and improved activity. Nature Biotechnology, 2019, 37, 1070-1079.	17.5	215
10	Massively parallel assessment of human variants with base editor screens. Cell, 2021, 184, 1064-1080.e20.	28.9	175
11	Base editing of haematopoietic stem cells rescues sickle cell disease in mice. Nature, 2021, 595, 295-302.	27.8	175
12	Adenine base editing in an adult mouse model of tyrosinaemia. Nature Biomedical Engineering, 2020, 4, 125-130.	22.5	136
13	Efficient Câ€¢G-to-Gâ€¢C base editors developed using CRISPRi screens, target-library analysis, and machine learning. Nature Biotechnology, 2021, 39, 1414-1425.	17.5	118
14	High-resolution specificity profiling and off-target prediction for site-specific DNA recombinases. Nature Communications, 2019, 10, 1937.	12.8	22
15	Mechanisms of angiogenic incompetence in Hutchinsonâ€“Gilford progeria via downregulation of endothelial NOS. Aging Cell, 2021, 20, e13388.	6.7	11
16	Base editor treats progeria in mice. Nature, 2021, , .	27.8	4