

# Luke W Koblan

## List of Publications by Year in Descending Order

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

17  
papers

3,255  
citations

13  
h-index

18  
g-index

18  
ext. papers

5,362  
ext. citations

36.3  
avg, IF

6.05  
L-index

#	Paper	IF	Citations
17	Programmable deletion, replacement, integration and inversion of large DNA sequences with twin prime editing. <i>Nature Biotechnology</i> , <b>2021</b> ,	44.5	18
16	Mechanisms of angiogenic incompetence in Hutchinson-Gilford progeria via downregulation of endothelial NOS. <i>Aging Cell</i> , <b>2021</b> , 20, e13388	9.9	2
15	Base editing of haematopoietic stem cells rescues sickle cell disease in mice. <i>Nature</i> , <b>2021</b> , 595, 295-302	50.4	31
14	Efficient C <sub>T</sub> -to-G <sub>T</sub> base editors developed using CRISPRi screens, target-library analysis, and machine learning. <i>Nature Biotechnology</i> , <b>2021</b> , 39, 1414-1425	44.5	32
13	In vivo base editing rescues Hutchinson-Gilford progeria syndrome in mice. <i>Nature</i> , <b>2021</b> , 589, 608-614	50.4	92
12	Massively parallel assessment of human variants with base editor screens. <i>Cell</i> , <b>2021</b> , 184, 1064-1080.	296.2	49
11	Genome editing with CRISPR-Cas nucleases, base editors, transposases and prime editors. <i>Nature Biotechnology</i> , <b>2020</b> , 38, 824-844	44.5	466
10	Phage-assisted evolution of an adenine base editor with improved Cas domain compatibility and activity. <i>Nature Biotechnology</i> , <b>2020</b> , 38, 883-891	44.5	171
9	Cytosine and adenine base editing of the brain, liver, retina, heart and skeletal muscle of mice via adeno-associated viruses. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 97-110	19	134
8	Adenine base editing in an adult mouse model of tyrosinaemia. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 125-130	19	86
7	High-resolution specificity profiling and off-target prediction for site-specific DNA recombinases. <i>Nature Communications</i> , <b>2019</b> , 10, 1937	17.4	10
6	Continuous evolution of base editors with expanded target compatibility and improved activity. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 1070-1079	44.5	111
5	Search-and-replace genome editing without double-strand breaks or donor DNA. <i>Nature</i> , <b>2019</b> , 576, 149-157	51.7	1318
4	Improving cytidine and adenine base editors by expression optimization and ancestral reconstruction. <i>Nature Biotechnology</i> , <b>2018</b> , 36, 843-846	44.5	348
3	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> , <b>2017</b> , 3, eaao4774	14.3	380
2	Programmable large DNA deletion, replacement, integration, and inversion with twin prime editing and site-specific recombinases		1
1	Massively parallel assessment of human variants with base editor screens		5

