

# Kevin Luk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7050035/publications.pdf>

Version: 2024-02-01

18  
papers

1,394  
citations

567281

15  
h-index

888059

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2060  
citing authors

#	ARTICLE	IF	CITATIONS
1	LONP-1 and ATFS-1 sustain deleterious heteroplasmy by promoting mtDNA replication in dysfunctional mitochondria. <i>Nature Cell Biology</i> , 2022, 24, 181-193.	10.3	33
2	Optimization of Nuclear Localization Signal Composition Improves CRISPR-Cas12a Editing Rates in Human Primary Cells. , 2022, 1, 271-284.		5
3	ZNF410 represses fetal globin by singular control of CHD4. <i>Nature Genetics</i> , 2021, 53, 719-728.	21.4	35
4	Dissecting ELANE neutropenia pathogenicity by human HSC gene editing. <i>Cell Stem Cell</i> , 2021, 28, 833-845.e5.	11.1	23
5	CRISPR-enhanced human adipocyte browning as cell therapy for metabolic disease. <i>Nature Communications</i> , 2021, 12, 6931.	12.8	41
6	Therapeutic base editing of human hematopoietic stem cells. <i>Nature Medicine</i> , 2020, 26, 535-541.	30.7	196
7	Small-Molecule PAPD5 Inhibitors Restore Telomerase Activity in Patient Stem Cells. <i>Cell Stem Cell</i> , 2020, 26, 896-909.e8.	11.1	57
8	BCL11A enhancer-edited hematopoietic stem cells persist in rhesus monkeys without toxicity. <i>Journal of Clinical Investigation</i> , 2020, 130, 6677-6687.	8.2	54
9	Rational targeting of a NuRD subcomplex guided by comprehensive in situ mutagenesis. <i>Nature Genetics</i> , 2019, 51, 1149-1159.	21.4	83
10	Editing aberrant splice sites efficiently restores $\beta^2$ -globin expression in $\beta^2$ -thalassemia. <i>Blood</i> , 2019, 133, 2255-2262.	1.4	57
11	Evaluating and Enhancing Target Specificity of Gene-Editing Nucleases and Deaminases. <i>Annual Review of Biochemistry</i> , 2019, 88, 191-220.	11.1	120
12	Enhanced Cas12a editing in mammalian cells and zebrafish. <i>Nucleic Acids Research</i> , 2019, 47, 4169-4180.	14.5	85
13	Highly efficient therapeutic gene editing of human hematopoietic stem cells. <i>Nature Medicine</i> , 2019, 25, 776-783.	30.7	344
14	Precise therapeutic gene correction by a simple nuclease-induced double-stranded break. <i>Nature</i> , 2019, 568, 561-565.	27.8	86
15	Genome editing of HBG1 and HBG2 to induce fetal hemoglobin. <i>Blood Advances</i> , 2019, 3, 3379-3392.	5.2	121
16	Gene Editing ELANE in Human Hematopoietic Stem and Progenitor Cells Reveals Disease Mechanisms and Therapeutic Strategies for Severe Congenital Neutropenia. <i>Blood</i> , 2019, 134, 3-3.	1.4	8
17	Orthogonal Cas9-Cas9 chimeras provide a versatile platform for genome editing. <i>Nature Communications</i> , 2018, 9, 4856.	12.8	27
18	Highly Efficient Therapeutic Gene Editing of BCL11A enhancer in Human Hematopoietic Stem Cells from $\beta^0$ -Hemoglobinopathy Patients for Fetal Hemoglobin Induction. <i>Blood</i> , 2018, 132, 3482-3482.	1.4	2