Alexis C Komor

List of Publications by Citations

29 papers	6,455 citations	16 h-index	36 g-index
36 ext. papers	8,451 ext. citations	16.1 avg, IF	6.45 L-index

#	Paper	IF	Citations
29	Programmable editing of a target base in genomic DNA without double-stranded DNA cleavage. *Nature*, **2016**, 533, 420-4	50.4	2264
28	Programmable base editing of A to G in genomic DNA without DNA cleavage. *Nature*, **2017**, 551, 464-471	50.4	1643
27	CRISPR-Based Technologies for the Manipulation of Eukaryotic Genomes. *Cell*, **2017**, 168, 20-36	56.2	545
26	Increasing the genome-targeting scope and precision of base editing with engineered Cas9-cytidine deaminase fusions. *Nature Biotechnology*, **2017**, 35, 371-376	44.5	437
25	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	14.3	380
24	The path for metal complexes to a DNA target. *Chemical Communications*, **2013**, 49, 3617-30	5.8	272
23	Improving the DNA specificity and applicability of base editing through protein engineering and protein delivery. *Nature Communications*, **2017**, 8, 15790	17.4	240
22	Global chemical effects of the microbiome include new bile-acid conjugations. *Nature*, **2020**, 579, 123-129	50.4	129
21	Editing the Genome Without Double-Stranded DNA Breaks. *ACS Chemical Biology*, **2018**, 13, 383-388	4.9	69
20	Cell-selective biological activity of rhodium metalloinsertors correlates with subcellular localization. *Journal of the American Chemical Society*, **2012**, 134, 19223-33	16.4	66
19	Base editing: advances and therapeutic opportunities. *Nature Reviews Drug Discovery*, **2020**, 19, 839-859	64.1	60
18	Selective cytotoxicity of rhodium metalloinsertors in mismatch repair-deficient cells. *Biochemistry*, **2011**, 50, 10919-28	3.2	46
17	A hydrogen-bond facilitated cycle for oxygen reduction by an acid- and base-compatible iron platform. *Inorganic Chemistry*, **2009**, 48, 10024-35	5.1	45
16	An unusual ligand coordination gives rise to a new family of rhodium metalloinsertors with improved selectivity and potency. *Journal of the American Chemical Society*, **2014**, 136, 14160-72	16.4	31
15	Targeted Chemotherapy with Metal Complexes. *Comments on Inorganic Chemistry*, **2014**, 34, 114-123	3.9	24
14	Biological effects of simple changes in functionality on rhodium metalloinsertors. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2013**, 371, 20120117	3	12
13	An inducible, isogenic cancer cell line system for targeting the state of mismatch repair deficiency. *PLoS ONE*, **2013**, 8, e78726	3.7	12

List of Publications

12	Rewriting Human History and Empowering Indigenous Communities with Genome Editing Tools. *Genes*, **2020**, 11,	4.2	7
11	Computer simulations explain mutation-induced effects on the DNA editing by adenine base editors. *Science Advances*, **2020**, 6, eaaz2309	14.3	7
10	Base Editors: Expanding the Types of DNA Damage Products Harnessed for Genome Editing **2021**, 1, 100005-100005		7
9	Genome, Epigenome, and Transcriptome Editing via Chemical Modification of Nucleobases in Living Cells. *Biochemistry*, **2019**, 58, 330-335	3.2	7
8	Base Editors: Modular Tools for the Introduction of Point Mutations in Living Cells. *Emerging Topics in Life Sciences*, **2019**, 3, 483-491	3.5	6
7	Double-tap gene drive uses iterative genome targeting to help overcome resistance alleles.. *Nature Communications*, **2022**, 13, 2595	17.4	2
6	CRISPR-derived genome editing therapies: Progress from bench to bedside. *Molecular Therapy*, **2021**, 29, 3125-3139	11.7	1
5	Retracing the evolutionary trajectory of adenine base editors using theoretical approaches		1
4	Targeting double-strand break indel byproducts with secondary guide RNAs improves Cas9 HDR-mediated genome editing efficiencies.. *Nature Communications*, **2022**, 13, 2351	17.4	1
3	Base Editing in Human Cells to Produce Single-Nucleotide-Variant Clonal Cell Lines. *Current Protocols in Molecular Biology*, **2020**, 133, e129	2.9	0
2	The use of base editing technology to characterize single nucleotide variants.. *Computational and Structural Biotechnology Journal*, **2022**, 20, 1670-1680	6.8	0
1	Base Editing: Chemistry on the Genome. *FASEB Journal*, **2018**, 32, 649.6	0.9	