

Alexis C Komor

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.

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	The use of base editing technology to characterize single nucleotide variants.. <i>Computational and Structural Biotechnology Journal</i> , 2022 , 20, 1670-1680	6.8	0
28	Double-tap gene drive uses iterative genome targeting to help overcome resistance alleles.. <i>Nature Communications</i> , 2022 , 13, 2595	17.4	2
27	Targeting double-strand break indel byproducts with secondary guide RNAs improves Cas9 HDR-mediated genome editing efficiencies.. <i>Nature Communications</i> , 2022 , 13, 2351	17.4	1
26	CRISPR-derived genome editing therapies: Progress from bench to bedside. <i>Molecular Therapy</i> , 2021 , 29, 3125-3139	11.7	1
25	Base Editors: Expanding the Types of DNA Damage Products Harnessed for Genome Editing 2021 , 1, 100005-100005		7
24	Global chemical effects of the microbiome include new bile-acid conjugations. <i>Nature</i> , 2020 , 579, 123-129	30.4	129
23	Rewriting Human History and Empowering Indigenous Communities with Genome Editing Tools. <i>Genes</i> , 2020 , 11,	4.2	7
22	Computer simulations explain mutation-induced effects on the DNA editing by adenine base editors. <i>Science Advances</i> , 2020 , 6, eaaz2309	14.3	7
21	Base editing: advances and therapeutic opportunities. <i>Nature Reviews Drug Discovery</i> , 2020 , 19, 839-859	64.1	60
20	Base Editing in Human Cells to Produce Single-Nucleotide-Variant Clonal Cell Lines. <i>Current Protocols in Molecular Biology</i> , 2020 , 133, e129	2.9	0
19	Base Editors: Modular Tools for the Introduction of Point Mutations in Living Cells. <i>Emerging Topics in Life Sciences</i> , 2019 , 3, 483-491	3.5	6
18	Genome, Epigenome, and Transcriptome Editing via Chemical Modification of Nucleobases in Living Cells. <i>Biochemistry</i> , 2019 , 58, 330-335	3.2	7
17	Editing the Genome Without Double-Stranded DNA Breaks. <i>ACS Chemical Biology</i> , 2018 , 13, 383-388	4.9	69
16	Base Editing: Chemistry on the Genome. <i>FASEB Journal</i> , 2018 , 32, 649.6	0.9	
15	Increasing the genome-targeting scope and precision of base editing with engineered Cas9-cytidine deaminase fusions. <i>Nature Biotechnology</i> , 2017 , 35, 371-376	44.5	437
14	Improving the DNA specificity and applicability of base editing through protein engineering and protein delivery. <i>Nature Communications</i> , 2017 , 8, 15790	17.4	240
13	Programmable base editing of A to G in genomic DNA without DNA cleavage. <i>Nature</i> , 2017 , 551, 464-471	50.4	1643

12	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	14.3	380
11	CRISPR-Based Technologies for the Manipulation of Eukaryotic Genomes. <i>Cell</i> , 2017 , 168, 20-36	56.2	545
10	Programmable editing of a target base in genomic DNA without double-stranded DNA cleavage. <i>Nature</i> , 2016 , 533, 420-4	50.4	2264
9	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, 14160-72	16.4	31
8	Targeted Chemotherapy with Metal Complexes. <i>Comments on Inorganic Chemistry</i> , 2014 , 34, 114-123	3.9	24
7	The path for metal complexes to a DNA target. <i>Chemical Communications</i> , 2013 , 49, 3617-30	5.8	272
6	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	12
5	An inducible, isogenic cancer cell line system for targeting the state of mismatch repair deficiency. <i>PLoS ONE</i> , 2013 , 8, e78726	3.7	12
4	Cell-selective biological activity of rhodium metalloinsertors correlates with subcellular localization. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19223-33	16.4	66
3	Selective cytotoxicity of rhodium metalloinsertors in mismatch repair-deficient cells. <i>Biochemistry</i> , 2011 , 50, 10919-28	3.2	46
2	A hydrogen-bond facilitated cycle for oxygen reduction by an acid- and base-compatible iron platform. <i>Inorganic Chemistry</i> , 2009 , 48, 10024-35	5.1	45
1	Retracing the evolutionary trajectory of adenine base editors using theoretical approaches		1