Fyodor D Urnov

List of Publications by Year
in descending order

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46	13,695	30	46
papers	citations	h-index	g-index

159585

223800

80	80	80	13361
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Genome editing with engineered zinc finger nucleases. Nature Reviews Genetics, 2010, 11, 636-646.	16.3	1,863
2	A TALE nuclease architecture for efficient genome editing. Nature Biotechnology, 2011, 29, 143-148.	17.5	1,855
3	Highly efficient endogenous human gene correction using designed zinc-finger nucleases. Nature, 2005, 435, 646-651.	27.8	1,512
4	Efficient targeting of expressed and silent genes in human ESCs and iPSCs using zinc-finger nucleases. Nature Biotechnology, 2009, 27, 851-857.	17.5	990
5	Heritable targeted gene disruption in zebrafish using designed zinc-finger nucleases. Nature Biotechnology, 2008, 26, 702-708.	17.5	842
6	Knockout Rats via Embryo Microinjection of Zinc-Finger Nucleases. Science, 2009, 325, 433-433.	12.6	836
7	Gene editing in human stem cells using zinc finger nucleases and integrase-defective lentiviral vector delivery. Nature Biotechnology, 2007, 25, 1298-1306.	17.5	797
8	Targeted Genome Editing Across Species Using ZFNs and TALENs. Science, 2011, 333, 307-307.	12.6	556
9	Enhancing zinc-finger-nuclease activity with improved obligate heterodimeric architectures. Nature Methods, 2011, 8, 74-79.	19.0	376
10	Targeted gene addition into a specified location in the human genome using designed zinc finger nucleases. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3055-3060.	7.1	352
11	Targeted gene knockout in mammalian cells by using engineered zinc-finger nucleases. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5809-5814.	7.1	347
12	Translating dosage compensation to trisomy 21. Nature, 2013, 500, 296-300.	27.8	282
13	Functional genomics, proteomics, and regulatory DNA analysis in isogenic settings using zinc finger nuclease-driven transgenesis into a safe harbor locus in the human genome. Genome Research, 2010, 20, 1133-1142.	5.5	280
14	LRRK2 mutations cause mitochondrial DNA damage in iPSC-derived neural cells from Parkinson's disease patients: Reversal by gene correction. Neurobiology of Disease, 2014, 62, 381-386.	4.4	235
15	Trait stacking via targeted genome editing. Plant Biotechnology Journal, 2013, 11, 1126-1134.	8.3	234
16	Rapid and efficient clathrin-mediated endocytosis revealed in genome-edited mammalian cells. Nature Cell Biology, 2011, 13, 331-337.	10.3	233
17	Targeted transgene integration in plant cells using designed zinc finger nucleases. Plant Molecular Biology, 2009, 69, 699-709.	3.9	213
18	Chromosomal translocations induced at specified loci in human stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10620-10625.	7.1	184

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19	Zinc-finger nuclease-driven targeted integration into mammalian genomes using donors with limited chromosomal homology. Nucleic Acids Research, 2010, 38, e152-e152.	14.5	177
20	In vivo cleavage of transgene donors promotes nucleaseâ€mediated targeted integration. Biotechnology and Bioengineering, 2013, 110, 871-880.	3.3	167
21	Targeted gene addition in human CD34+ hematopoietic cells for correction of X-linked chronic granulomatous disease. Nature Biotechnology, 2016, 34, 424-429.	17.5	166
22	Site-specific genome editing in Plasmodium falciparum using engineered zinc-finger nucleases. Nature Methods, 2012, 9, 993-998.	19.0	149
23	Allele-selective transcriptional repression of mutant HTT for the treatment of Huntingtonâ€™s disease. Nature Medicine, 2019, 25, 1131-1142.	30.7	139
24	Efficient targeted gene disruption in the soma and germ line of the frog <i>Xenopus tropicalis</i> using engineered zinc-finger nucleases. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7052-7057.	7.1	135
25	Identification of chromosome sequence motifs that mediate meiotic pairing and synapsis in C. elegans. Nature Cell Biology, 2009, 11, 934-942.	10.3	123
26	Functional footprinting of regulatory DNA. Nature Methods, 2015, 12, 927-930.	19.0	123
27	Genetic and molecular identification of three human TPP1 functions in telomerase action: recruitment, activation, and homeostasis set point regulation. Genes and Development, 2014, 28, 1885-1899.	5.9	101
28	Transcriptional activation of <i>Brassica napus</i> Î²â€ketoacylâ€ACP synthase II with an engineered zinc finger protein transcription factor. Plant Biotechnology Journal, 2012, 10, 783-791.	8.3	57
29	Blueprint for a pop-up SARS-CoV-2 testing lab. Nature Biotechnology, 2020, 38, 791-797.	17.5	50
30	Designed transcription factors as tools for therapeutics and functional genomics. Biochemical Pharmacology, 2002, 64, 919-923.	4.4	37
31	Chromatin remodeling as a guide to transcriptional regulatory networks in mammals. Journal of Cellular Biochemistry, 2003, 88, 684-694.	2.6	34
32	Activation domains for controlling plant gene expression using designed transcription factors. Plant Biotechnology Journal, 2013, 11, 671-680.	8.3	33
33	A feel for the template: zinc finger protein transcription factors and chromatin. Biochemistry and Cell Biology, 2002, 80, 321-333.	2.0	31
34	Persistent repression of tau in the brain using engineered zinc finger protein transcription factors. Science Advances, 2021, 7, .	10.3	31
35	Biotechnologies and therapeutics: chromatin as a target. Current Opinion in Genetics and Development, 2002, 12, 233-242.	3.3	22
36	Chromatin as a Tool for the Study of Genome Function in Cancer. Annals of the New York Academy of Sciences, 2003, 983, 5-21.	3.8	21

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37	A DNase I hypersensitive site flanks an origin of DNA replication and amplification in Sciara. Chromosoma, 2002, 111, 291-303.	2.2	17
38	Robotic RNA extraction for SARS-CoV-2 surveillance using saliva samples. PLoS ONE, 2021, 16, e0255690.	2.5	14
39	Isolation and characterization of the ecdysone receptor and its heterodimeric partner ultraspiracle through development in Sciara coprophila. Chromosoma, 2013, 122, 103-119.	2.2	11
40	Piloting an integrated SARS-CoV-2 testing and data system for outbreak containment among college students: A prospective cohort study. PLoS ONE, 2021, 16, e0245765.	2.5	11
41	The Cas9 Hammerâ€"and Sickle: A Challenge for Genome Editors. CRISPR Journal, 2021, 4, 6-13.	2.9	11
42	Imagine CRISPR cures. Molecular Therapy, 2021, 29, 3103-3106.	8.2	9
43	Dissection of Splicing Regulation at an Endogenous Locus by Zinc-Finger Nuclease-Mediated Gene Editing. PLoS ONE, 2011, 6, e16961.	2.5	8
44	Prime Time for Genome Editing?. New England Journal of Medicine, 2020, 382, 481-484.	27.0	7
45	CRISPRâ€"Cas9 can cause chromothripsis. Nature Genetics, 2021, 53, 768-769.	21.4	7
46	Edit the genome to understand it. Nature, 2014, 513, 40-41.	27.8	5