

Dmitry Guschin

List of Publications by Year in descending order

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37
papers

8,371
citations

159585

30
h-index

345221

36
g-index

38
all docs

38
docs citations

38
times ranked

8757
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved zinc-finger nuclease architecture for highly specific genome editing. <i>Nature Biotechnology</i> , 2007, 25, 778-785.	17.5	967
2	Establishment of HIV-1 resistance in CD4+ T cells by genome editing using zinc-finger nucleases. <i>Nature Biotechnology</i> , 2008, 26, 808-816.	17.5	916
3	The protein tyrosine kinase JAK1 complements defects in interferon- $\hat{1}\pm/\hat{1}^2$ and - $\hat{1}^3$ signal transduction. <i>Nature</i> , 1993, 366, 129-135.	27.8	785
4	Generation of Isogenic Pluripotent Stem Cells Differing Exclusively at Two Early Onset Parkinson Point Mutations. <i>Cell</i> , 2011, 146, 318-331.	28.9	703
5	Complementation by the protein tyrosine kinase JAK2 of a mutant cell line defective in the interferon-& gamma; signal transduction pathway. <i>Nature</i> , 1993, 366, 166-170.	27.8	532
6	A Rapid and General Assay for Monitoring Endogenous Gene Modification. <i>Methods in Molecular Biology</i> , 2010, 649, 247-256.	0.9	453
7	DNA analysis and diagnostics on oligonucleotide microchips.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 4913-4918.	7.1	374
8	Targeted gene knockout in mammalian cells by using engineered zinc-finger nucleases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5809-5814.	7.1	347
9	Review: Chromatin Structural Features and Targets That Regulate Transcription. <i>Journal of Structural Biology</i> , 2000, 129, 102-122.	2.8	323
10	Translating dosage compensation to trisomy 21. <i>Nature</i> , 2013, 500, 296-300.	27.8	282
11	Manual Manufacturing of Oligonucleotide, DNA, and Protein Microchips. <i>Analytical Biochemistry</i> , 1997, 250, 203-211.	2.4	266
12	Change in the pattern of histone binding to DNA upon transcriptional activation. <i>Cell</i> , 1989, 58, 27-36.	28.9	261
13	Active Remodeling of Somatic Nuclei in Egg Cytoplasm by the Nucleosomal ATPase ISWI. <i>Science</i> , 2000, 289, 2360-2362.	12.6	211
14	A JAK1/JAK2 Chimera Can Sustain Alpha and Gamma Interferon Responses. <i>Molecular and Cellular Biology</i> , 1997, 17, 695-706.	2.3	195
15	The Methyl-CpG Binding Transcriptional Repressor MeCP2 Stably Associates with Nucleosomal DNA. <i>Biochemistry</i> , 1999, 38, 7008-7018.	2.5	172
16	Targeted Correction and Restored Function of the CFTR Gene in Cystic Fibrosis Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2015, 4, 569-577.	4.8	168
17	Distinct requirements for chromatin assembly in transcriptional repression by thyroid hormone receptor and histone deacetylase. <i>EMBO Journal</i> , 1998, 17, 520-534.	7.8	152
18	Zinc-finger protein-targeted gene regulation: Genomewide single-gene specificity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11997-12002.	7.1	142

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19	Allele-selective transcriptional repression of mutant HTT for the treatment of Huntington's disease. <i>Nature Medicine</i> , 2019, 25, 1131-1142.	30.7	139
20	Efficient targeted gene disruption in the soma and germ line of the frog <i>Xenopus tropicalis</i> using engineered zinc-finger nucleases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7052-7057.	7.1	135
21	Interleukin-7 can induce the activation of Jak 1, Jak 3 and STAT 5 proteins in murine T cells. <i>European Journal of Immunology</i> , 1995, 25, 3041-3046.	2.9	116
22	Improved specificity of TALE-based genome editing using an expanded RVD repertoire. <i>Nature Methods</i> , 2015, 12, 465-471.	19.0	91
23	Generation of a triple-gene knockout mammalian cell line using engineered zinc-finger nucleases. <i>Biotechnology and Bioengineering</i> , 2010, 106, 97-105.	3.3	90
24	Clinical Scale Zinc Finger Nuclease-mediated Gene Editing of PD-1 in Tumor Infiltrating Lymphocytes for the Treatment of Metastatic Melanoma. <i>Molecular Therapy</i> , 2015, 23, 1380-1390.	8.2	88
25	ATP-Dependent Histone Octamer Mobilization and Histone Deacetylation Mediated by the Mi-2 Chromatin Remodeling Complex. <i>Biochemistry</i> , 2000, 39, 5238-5245.	2.5	79
26	Human Interleukin-10 Gene Transfer Is Protective in a Rat Model of Parkinson's Disease. <i>Molecular Therapy</i> , 2008, 16, 1392-1399.	8.2	75
27	Multiple ISWI ATPase Complexes from <i>Xenopus laevis</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 35248-35255.	3.4	67
28	An Engineered Zinc Finger Protein Activator of the Endogenous Glial Cell Line-Derived Neurotrophic Factor Gene Provides Functional Neuroprotection in a Rat Model of Parkinson's Disease. <i>Journal of Neuroscience</i> , 2010, 30, 16469-16474.	3.6	61
29	Signal Transduction: Just another signalling pathway. <i>Current Biology</i> , 1994, 4, 1033-1035.	3.9	54
30	Antiviral Properties of Chemical Inhibitors of Cellular Anti-Apoptotic Bcl-2 Proteins. <i>Viruses</i> , 2017, 9, 271.	3.3	39
31	Asymmetric Linker Histone Association Directs the Asymmetric Rearrangement of Core Histone Interactions in a Positioned Nucleosome Containing a Thyroid Hormone Response Element. <i>Biochemistry</i> , 1998, 37, 8629-8636.	2.5	29
32	Transcriptional control: SWItched-on mobility. <i>Current Biology</i> , 1999, 9, R742-R746.	3.9	20
33	A Designed Zinc-finger Transcriptional Repressor of Phospholamban Improves Function of the Failing Heart. <i>Molecular Therapy</i> , 2012, 20, 1508-1515.	8.2	18
34	Gene Transfer of An Engineered Zinc Finger Protein Enhances the Anti-angiogenic Defense System. <i>Molecular Therapy</i> , 2007, 15, 1917-1923.	8.2	17
35	Generation of Isogenic Pluripotent Stem Cells Differing Exclusively at Two Early Onset Parkinson Point Mutations. <i>Cell</i> , 2011, 146, 659.	28.9	3
36	758. Towards Gene Knock out Therapy for AIDS/HIV: Targeted Disruption of CCR5 Using Engineered Zinc Finger Protein Nucleases (ZFNs). <i>Molecular Therapy</i> , 2006, 13, S293.	8.2	1

#	ARTICLE	IF	CITATIONS
37	787. Engineered Fok I Heterodimers for Enhanced Zinc Finger Nuclease Specificity. <i>Molecular Therapy</i> , 2006, 13, S305.	8.2	0