

Jacob Giehm Mikkelsen

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,193
citations

257101

24
h-index

223531

46
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51
all docs

51
docs citations

51
times ranked

3164
citing authors

#	ARTICLE	IF	CITATIONS
1	Life-threatening viral disease in a novel form of autosomal recessive <i>IFNAR2</i> deficiency in the Arctic. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	33
2	Simple Autofluorescence-Restrictive Sorting of eGFP+ RPE Cells Allows Reliable Assessment of Targeted Retinal Gene Therapy. <i>Frontiers in Drug Delivery</i> , 2022, 2, .	0.4	2
3	Essential role of autophagy in restricting poliovirus infection revealed by identification of an <i>ATG7</i> defect in a poliomyelitis patient. <i>Autophagy</i> , 2021, 17, 2449-2464.	4.3	10
4	pegIT - A web-based design tool for prime editing. <i>Nucleic Acids Research</i> , 2021, 49, W505-W509.	6.5	26
5	piggyPrime: High-Efficacy Prime Editing in Human Cells Using piggyBac-Based DNA Transposition. <i>Frontiers in Genome Editing</i> , 2021, 3, 786893.	2.7	11
6	Single-Cell Monitoring of Activated Innate Immune Signaling by a d2eGFP-Based Reporter Mimicking Time-Restricted Activation of <i>IFNB1</i> Expression. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 784762.	1.8	5
7	Defects in <i>LC3B2</i> and <i>ATG4A</i> underlie HSV2 meningitis and reveal a critical role for autophagy in antiviral defense in humans. <i>Science Immunology</i> , 2020, 5, .	5.6	27
8	Identification of <i>BLNK</i> and <i>BTK</i> as mediators of rituximab-induced programmed cell death by CRISPR screens in GCB subtype diffuse large B-cell lymphoma. <i>Molecular Oncology</i> , 2020, 14, 1978-1997.	2.1	18
9	Sustained transgene expression from sleeping beauty DNA transposons containing a core fragment of the <i>HNRPA2B1-CBX3</i> ubiquitous chromatin opening element (UCOE). <i>BMC Biotechnology</i> , 2019, 19, 75.	1.7	12
10	Toward In Vivo Gene Therapy Using CRISPR. <i>Methods in Molecular Biology</i> , 2019, 1961, 293-306.	0.4	7
11	CRISPR-Based Lentiviral Knockout Libraries for Functional Genomic Screening and Identification of Phenotype-Related Genes. <i>Methods in Molecular Biology</i> , 2019, 1961, 343-357.	0.4	7
12	Production and Validation of Lentiviral Vectors for CRISPR/Cas9 Delivery. <i>Methods in Molecular Biology</i> , 2019, 1961, 93-109.	0.4	15
13	MicroRNA-155 controls vincristine sensitivity and predicts superior clinical outcome in diffuse large B-cell lymphoma. <i>Blood Advances</i> , 2019, 3, 1185-1196.	2.5	19
14	Time-Restricted PiggyBac DNA Transposition by Transposase Protein Delivery Using Lentivirus-Derived Nanoparticles. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 11, 253-262.	2.3	12
15	Enhanced Tailored MicroRNA Sponge Activity of RNA Pol II-Transcribed TuD Hairpins Relative to Ectopically Expressed <i>ciRS7</i> -Derived circRNAs. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 13, 365-375.	2.3	10
16	Viral delivery of genome-modifying proteins for cellular reprogramming. <i>Current Opinion in Genetics and Development</i> , 2018, 52, 92-99.	1.5	4
17	Dominant-negative <i>SERPING1</i> variants cause intracellular retention of C1 inhibitor in hereditary angioedema. <i>Journal of Clinical Investigation</i> , 2018, 129, 388-405.	3.9	39
18	Improved microRNA suppression by WPRE-linked tough decoy microRNA sponges. <i>Rna</i> , 2017, 23, 1247-1258.	1.6	11

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19	In Vivo Knockout of the Vegfa Gene by Lentiviral Delivery of CRISPR/Cas9 in Mouse Retinal Pigment Epithelium Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 9, 89-99.	2.3	61
20	Psoriasisiform skin disease in transgenic pigs with high-copy ectopic expression of human integrins $\alpha 2$ and $\beta 1$. <i>DMM Disease Models and Mechanisms</i> , 2017, 10, 869-880.	1.2	6
21	Inborn errors in RNA polymerase III underlie severe varicella zoster virus infections. <i>Journal of Clinical Investigation</i> , 2017, 127, 3543-3556.	3.9	125
22	Anti-Apoptotic Effects of Lentiviral Vector Transduction Promote Increased Rituximab Tolerance in Cancerous B-Cells. <i>PLoS ONE</i> , 2016, 11, e0153069.	1.1	2
23	Lentiviral Delivery of Proteins for Genome Engineering. <i>Current Gene Therapy</i> , 2016, 16, 194-206.	0.9	9
24	Targeted, homology-driven gene insertion in stem cells by ZFN-loaded "all-in-one" lentiviral vectors. <i>ELife</i> , 2016, 5, .	2.8	15
25	Overexpression of microRNA-155 increases IL-21 mediated STAT3 signaling and IL-21 production in systemic lupus erythematosus. <i>Arthritis Research and Therapy</i> , 2015, 17, 154.	1.6	52
26	Functional IRF3 deficiency in a patient with herpes simplex encephalitis. <i>Journal of Experimental Medicine</i> , 2015, 212, 1371-1379.	4.2	171
27	Delivering the Goods for Genome Engineering and Editing. <i>Human Gene Therapy</i> , 2015, 26, 486-497.	1.4	13
28	Driving DNA transposition by lentiviral protein transduction. <i>Mobile Genetic Elements</i> , 2014, 4, e29591.	1.8	12
29	DNA transposition by protein transduction of the <i>piggyBac</i> transposase from lentiviral Gag precursors. <i>Nucleic Acids Research</i> , 2014, 42, e28-e28.	6.5	28
30	Targeted genome editing by lentiviral protein transduction of zinc-finger and TAL-effector nucleases. <i>ELife</i> , 2014, 3, e01911.	2.8	80
31	DNA transposon-based gene vehicles - scenes from an evolutionary drive. <i>Journal of Biomedical Science</i> , 2013, 20, 92.	2.6	65
32	Potent microRNA suppression by RNA Pol II-transcribed "Tough Decoy" inhibitors. <i>Rna</i> , 2013, 19, 280-293.	1.6	71
33	Suppression of microRNAs by dual-targeting and clustered Tough Decoy inhibitors. <i>RNA Biology</i> , 2013, 10, 406-414.	1.5	40
34	Familial Hypercholesterolemia and Atherosclerosis in Cloned Minipigs Created by DNA Transposition of a Human <i>PCSK9</i> Gain-of-Function Mutant. <i>Science Translational Medicine</i> , 2013, 5, 166ra1.	5.8	170
35	Efficient Sleeping Beauty DNA Transposition From DNA Minicircles. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e74.	2.3	27
36	Regulation of pro-inflammatory cytokines TNF α and IL24 by microRNA-203 in primary keratinocytes. <i>Cytokine</i> , 2012, 60, 741-748.	1.4	96

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37	Development of Transgenic Cloned Pig Models of Skin Inflammation by DNA Transposon-Directed Ectopic Expression of Human $\alpha 1$ and $\alpha 2$ Integrin. PLoS ONE, 2012, 7, e36658.	1.1	36
38	The Impact of cHS4 Insulators on DNA Transposon Vector Mobilization and Silencing in Retinal Pigment Epithelium Cells. PLoS ONE, 2012, 7, e48421.	1.1	22
39	Targeting of human interleukin-12B by small hairpin RNAs in xenografted psoriatic skin. BMC Dermatology, 2011, 11, 5.	2.1	20
40	Pig transgenesis by Sleeping Beauty DNA transposition. Transgenic Research, 2011, 20, 533-545.	1.3	59
41	A Sleeping Beauty DNA transposon-based genetic sensor for functional screening of vitamin D3 analogues. BMC Biotechnology, 2011, 11, 33.	1.7	10
42	Comparative Genomic Integration Profiling of Sleeping Beauty Transposons Mobilized With High Efficacy From Integrase-defective Lentiviral Vectors in Primary Human Cells. Molecular Therapy, 2011, 19, 1499-1510.	3.7	73
43	Amelioration of Psoriasis by Anti-TNF- α RNAi in the Xenograft Transplantation Model. Molecular Therapy, 2009, 17, 1743-1753.	3.7	67
44	Hybrid Lentivirus-transposon Vectors With a Random Integration Profile in Human Cells. Molecular Therapy, 2009, 17, 1205-1214.	3.7	89
45	Regulated gene insertion by steroid-induced $\Delta C31$ integrase. Nucleic Acids Research, 2008, 36, e67-e67.	6.5	30
46	Complementarity-directed RNA dimer-linkage promotes retroviral recombination in vivo. Nucleic Acids Research, 2004, 32, 102-114.	6.5	12
47	Mutational Analysis of the N-Terminal DNA-Binding Domain of Sleeping Beauty Transposase: Critical Residues for DNA Binding and Hyperactivity in Mammalian Cells. Molecular and Cellular Biology, 2004, 24, 9239-9247.	1.1	142
48	Helper-Independent sleeping beauty Transposon- α Transposase vectors for efficient nonviral gene delivery and persistent gene expression in vivo. Molecular Therapy, 2003, 8, 654-665.	3.7	138
49	Transposition from a gutless adeno-transposon vector stabilizes transgene expression in vivo. Nature Biotechnology, 2002, 20, 999-1005.	9.4	184