Jacob Giehm Mikkelsen

List of Publications by Year
in descending order

49	2,193	257101 24	223531 46
papers	citations	h-index	g-index

51	51	51	3164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transposition from a gutless adeno-transposon vector stabilizes transgene expression in vivo. Nature Biotechnology, 2002, 20, 999-1005.	9.4	184
2	Functional IRF3 deficiency in a patient with herpes simplex encephalitis. Journal of Experimental Medicine, 2015, 212, 1371-1379.	4.2	171
3	Familial Hypercholesterolemia and Atherosclerosis in Cloned Minipigs Created by DNA Transposition of a Human PCSK9 Gain-of-Function Mutant. Science Translational Medicine, 2013, 5, 166ra1.	5.8	170
4	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
5	Helper-Independent sleeping beauty Transposonâ€“Transposase vectors for efficient nonviral gene delivery and persistent gene expression in vivo. Molecular Therapy, 2003, 8, 654-665.	3.7	138
6	Inborn errors in RNA polymerase III underlie severe varicella zoster virus infections. Journal of Clinical Investigation, 2017, 127, 3543-3556.	3.9	125
7	Regulation of pro-inflammatory cytokines TNFÎ± and IL24 by microRNA-203 in primary keratinocytes. Cytokine, 2012, 60, 741-748.	1.4	96
8	Hybrid Lentivirus-transposon Vectors With a Random Integration Profile in Human Cells. Molecular Therapy, 2009, 17, 1205-1214.	3.7	89
9	Targeted genome editing by lentiviral protein transduction of zinc-finger and TAL-effector nucleases. ELife, 2014, 3, e01911.	2.8	80
10	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
11	Potent microRNA suppression by RNA Pol II-transcribed â€˜Tough Decoyâ€™ inhibitors. Rna, 2013, 19, 280-293.	1.6	71
12	Amelioration of Psoriasis by Anti-TNF-Î± RNAi in the Xenograft Transplantation Model. Molecular Therapy, 2009, 17, 1743-1753.	3.7	67
13	DNA transposon-based gene vehicles - scenes from an evolutionary drive. Journal of Biomedical Science, 2013, 20, 92.	2.6	65
14	InÂVivo Knockout of the Vegfa Gene by Lentiviral Delivery of CRISPR/Cas9 in Mouse Retinal Pigment Epithelium Cells. Molecular Therapy - Nucleic Acids, 2017, 9, 89-99.	2.3	61
15	Pig transgenesis by Sleeping Beauty DNA transposition. Transgenic Research, 2011, 20, 533-545.	1.3	59
16	Overexpression of microRNA-155 increases IL-21 mediated STAT3 signaling and IL-21 production in systemic lupus erythematosus. Arthritis Research and Therapy, 2015, 17, 154.	1.6	52
17	Suppression of microRNAs by dual-targeting and clustered Tough Decoy inhibitors. RNA Biology, 2013, 10, 406-414.	1.5	40
18	Dominant-negative SERPING1 variants cause intracellular retention of C1 inhibitor in hereditary angioedema. Journal of Clinical Investigation, 2018, 129, 388-405.	3.9	39

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19	Development of Transgenic Cloned Pig Models of Skin Inflammation by DNA Transposon-Directed Ectopic Expression of Human Î²1 and Î±2 Integrin. PLoS ONE, 2012, 7, e36658.	1.1	36
20	Life-threatening viral disease in a novel form of autosomal recessive IFNAR2 deficiency in the Arctic. Journal of Experimental Medicine, 2022, 219, .	4.2	33
21	Regulated gene insertion by steroid-induced ÂC31 integrase. Nucleic Acids Research, 2008, 36, e67-e67.	6.5	30
22	DNA transposition by protein transduction of the piggyBac transposase from lentiviral Gag precursors. Nucleic Acids Research, 2014, 42, e28-e28.	6.5	28
23	Efficient Sleeping Beauty DNA Transposition From DNA Minicircles. Molecular Therapy - Nucleic Acids, 2013, 2, e74.	2.3	27
24	Defects in LC3B2 and ATG4A underlie HSV2 meningitis and reveal a critical role for autophagy in antiviral defense in humans. Science Immunology, 2020, 5, .	5.6	27
25	pegIT -Âa web-based design tool for prime editing. Nucleic Acids Research, 2021, 49, W505-W509.	6.5	26
26	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
27	Targeting of human interleukin-12B by small hairpin RNAs in xenografted psoriatic skin. BMC Dermatology, 2011, 11, 5.	2.1	20
28	MicroRNA-155 controls vincristine sensitivity and predicts superior clinical outcome in diffuse large B-cell lymphoma. Blood Advances, 2019, 3, 1185-1196.	2.5	19
29	Identification of BLNK and BTK as mediators of rituximabâ€induced programmed cell death by CRISPR screens in GCBâ€subtype diffuse large Bâ€cell lymphoma. Molecular Oncology, 2020, 14, 1978-1997.	2.1	18
30	Production and Validation of Lentiviral Vectors for CRISPR/Cas9 Delivery. Methods in Molecular Biology, 2019, 1961, 93-109.	0.4	15
31	Targeted, homology-driven gene insertion in stem cells by ZFN-loaded â€˜all-in-oneâ€™ lentiviral vectors. ELife, 2016, 5, .	2.8	15
32	Delivering the Goods for Genome Engineering and Editing. Human Gene Therapy, 2015, 26, 486-497.	1.4	13
33	Complementarity-directed RNA dimer-linkage promotes retroviral recombination in vivo. Nucleic Acids Research, 2004, 32, 102-114.	6.5	12
34	Driving DNA transposition by lentiviral protein transduction. Mobile Genetic Elements, 2014, 4, e29591.	1.8	12
35	Time-Restricted PiggyBac DNA Transposition by Transposase Protein Delivery Using Lentivirus-Derived Nanoparticles. Molecular Therapy - Nucleic Acids, 2018, 11, 253-262.	2.3	12
36	Sustained transgene expression from sleeping beauty DNA transposons containing a core fragment of the HNRPA2B1-CBX3 ubiquitous chromatin opening element (UCOE). BMC Biotechnology, 2019, 19, 75.	1.7	12

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37	Improved microRNA suppression by WPRE-linked tough decoy microRNA sponges. Rna, 2017, 23, 1247-1258.	1.6	11
38	piggyPrime: High-Efficacy Prime Editing in Human Cells Using piggyBac-Based DNA Transposition. Frontiers in Genome Editing, 2021, 3, 786893.	2.7	11
39	A Sleeping Beauty DNA transposon-based genetic sensor for functional screening of vitamin D3 analogues. BMC Biotechnology, 2011, 11, 33.	1.7	10
40	Enhanced Tailored MicroRNA Sponge Activity of RNA Pol II-Transcribed TuD Hairpins Relative to Ectopically Expressed ciRS7-Derived circRNAs. Molecular Therapy - Nucleic Acids, 2018, 13, 365-375.	2.3	10
41	Essential role of autophagy in restricting poliovirus infection revealed by identification of an ATG7 defect in a poliomyelitis patient. Autophagy, 2021, 17, 2449-2464.	4.3	10
42	Lentiviral Delivery of Proteins for Genome Engineering. Current Gene Therapy, 2016, 16, 194-206.	0.9	9
43	Toward In Vivo Gene Therapy Using CRISPR. Methods in Molecular Biology, 2019, 1961, 293-306.	0.4	7
44	CRISPR-Based Lentiviral Knockout Libraries for Functional Genomic Screening and Identification of Phenotype-Related Genes. Methods in Molecular Biology, 2019, 1961, 343-357.	0.4	7
45	Psoriasiform skin disease in transgenic pigs with high-copy ectopic expression of human integrins Î±2 and Î²1. DMM Disease Models and Mechanisms, 2017, 10, 869-880.	1.2	6
46	Single-Cell Monitoring of Activated Innate Immune Signaling by a d2eGFP-Based Reporter Mimicking Time-Restricted Activation of IFNB1 Expression. Frontiers in Cellular and Infection Microbiology, 2021, 11, 784762.	1.8	5
47	Viral delivery of genome-modifying proteins for cellular reprogramming. Current Opinion in Genetics and Development, 2018, 52, 92-99.	1.5	4
48	Anti-Apoptotic Effects of Lentiviral Vector Transduction Promote Increased Rituximab Tolerance in Cancerous B-Cells. PLoS ONE, 2016, 11, e0153069.	1.1	2
49	Simple Autofluorescence-Restrictive Sorting of eGFP+ RPE Cells Allows Reliable Assessment of Targeted Retinal Gene Therapy. Frontiers in Drug Delivery, 2022, 2, .	0.4	2