

Mark A Kay

List of Publications by Year in descending order

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240
papers

36,399
citations

4103

90
h-index

3688

186
g-index

251
all docs

251
docs citations

251
times ranked

30778
citing authors

#	ARTICLE	IF	CITATIONS
1	Promoterless Gene Targeting Approach Combined to CRISPR/Cas9 Efficiently Corrects Hemophilia B Phenotype in Neonatal Mice. <i>Frontiers in Genome Editing</i> , 2022, 4, 785698.	2.7	8
2	Fludarabine increases nuclease-free AAV- and CRISPR/Cas9-mediated homologous recombination in mice. <i>Nature Biotechnology</i> , 2022, 40, 1285-1294.	9.4	8
3	Evaluating the state of the science for adeno-associated virus integration: An integrated perspective. <i>Molecular Therapy</i> , 2022, 30, 2646-2663.	3.7	65
4	Promoterless, Nuclease-Free Genome Editing Confers a Growth Advantage for Corrected Hepatocytes in Mice With Methylmalonic Acidemia. <i>Hepatology</i> , 2021, 73, 2223-2237.	3.6	36
5	Improved Genome Editing through Inhibition of FANCM and Members of the BTR Dissolvase Complex. <i>Molecular Therapy</i> , 2021, 29, 1016-1027.	3.7	7
6	Evaluating the Genomic Parameters Governing rAAV-Mediated Homologous Recombination. <i>Molecular Therapy</i> , 2021, 29, 1028-1046.	3.7	6
7	The Role of tRNA Derived Small RNAs in Gene Regulation in Normal Tissues and Cancer. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
8	RNA structure probing reveals the structural basis of Dicer binding and cleavage. <i>Nature Communications</i> , 2021, 12, 3397.	5.8	36
9	The 3' UTRs are aminoacylated: Implications for their biogenesis. <i>PLoS Genetics</i> , 2021, 17, e1009675.	1.5	10
10	Selective Microvascular Tissue Transfection Using Minicircle DNA for Systemic Delivery of Human Coagulation Factor IX in a Rat Model Using a Therapeutic Flap. <i>Plastic and Reconstructive Surgery</i> , 2021, Publish Ahead of Print, .	0.7	1
11	Transfer RNA-Derived Small RNAs: Another Layer of Gene Regulation and Novel Targets for Disease Therapeutics. <i>Molecular Therapy</i> , 2020, 28, 2340-2357.	3.7	57
12	Novel NanoLuc substrates enable bright two-population bioluminescence imaging in animals. <i>Nature Methods</i> , 2020, 17, 852-860.	9.0	123
13	Evolution of a Human-Specific Tandem Repeat Associated with ALS. <i>American Journal of Human Genetics</i> , 2020, 107, 445-460.	2.6	39
14	AAV vectors engineered to target insulin receptor greatly enhance intramuscular gene delivery. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 19, 496-506.	1.8	8
15	Tracking Adeno-Associated Virus Capsid Evolution by High-Throughput Sequencing. <i>Human Gene Therapy</i> , 2020, 31, 553-564.	1.4	19
16	The Role of tRNA Derived Small RNAs in Gene Regulation in Normal Tissues and Cancer. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
17	Abstract LB-343: A Leu(CAG)-tRNA derived small RNA regulates ribosomal protein S28 after translation initiation in both human and mouse liver cancers. , 2020, , .		0
18	Allele-Specific Silencing Ameliorates Restrictive Cardiomyopathy Attributable to a Human Myosin Regulatory Light Chain Mutation. <i>Circulation</i> , 2019, 140, 765-778.	1.6	26

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19	An orange calcium-modulated bioluminescent indicator for non-invasive activity imaging. <i>Nature Chemical Biology</i> , 2019, 15, 433-436.	3.9	37
20	A tRNA-Derived Small RNA Regulates Ribosomal Protein S28 Protein Levels after Translation Initiation in Humans and Mice. <i>Cell Reports</i> , 2019, 29, 3816-3824.e4.	2.9	52
21	Coupling AAV-mediated promoterless gene targeting to SaCas9 nuclease to efficiently correct liver metabolic diseases. <i>JCI Insight</i> , 2019, 4, .	2.3	28
22	Using a barcoded AAV capsid library to select for clinically relevant gene therapy vectors. <i>JCI Insight</i> , 2019, 4, .	2.3	64
23	Bioengineered AAV Capsids with Combined High Human Liver Transduction In Vivo and Unique Humoral Seroreactivity. <i>Molecular Therapy</i> , 2018, 26, 289-303.	3.7	130
24	miR-122 removal in the liver activates imprinted microRNAs and enables more effective microRNA-mediated gene repression. <i>Nature Communications</i> , 2018, 9, 5321.	5.8	48
25	Bioengineered Viral Platform for Intramuscular Passive Vaccine Delivery to Human Skeletal Muscle. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018, 10, 144-155.	1.8	21
26	Abstract LB-390: A transfer RNA derived small RNA affects translation in rapidly dividing cells and a target for hepatocellular carcinoma. , 2018, , .		0
27	Abstract IA03: Functional lung cancer genomics through in vivo genome editing. , 2018, , .		0
28	Future of rAAV Gene Therapy: Platform for RNAi, Gene Editing, and Beyond. <i>Human Gene Therapy</i> , 2017, 28, 361-372.	1.4	40
29	A 5' Noncoding Exon Containing Engineered Intron Enhances Transgene Expression from Recombinant AAV Vectors <i>in vivo</i> . <i>Human Gene Therapy</i> , 2017, 28, 125-134.	1.4	21
30	Sequence-Modified Antibiotic Resistance Genes Provide Sustained Plasmid-Mediated Transgene Expression in Mammals. <i>Molecular Therapy</i> , 2017, 25, 1187-1198.	3.7	10
31	Survival Advantage of Both Human Hepatocyte Xenografts and Genome-Edited Hepatocytes for Treatment of α -1 Antitrypsin Deficiency. <i>Molecular Therapy</i> , 2017, 25, 2477-2489.	3.7	62
32	Promoterless gene targeting without nucleases rescues lethality of a Crigler-Najjar syndrome mouse model. <i>EMBO Molecular Medicine</i> , 2017, 9, 1346-1355.	3.3	46
33	Multiplexed in vivo homology-directed repair and tumor barcoding enables parallel quantification of Kras variant oncogenicity. <i>Nature Communications</i> , 2017, 8, 2053.	5.8	78
34	A transfer-RNA-derived small RNA regulates ribosome biogenesis. <i>Nature</i> , 2017, 552, 57-62.	13.7	366
35	Rescue of Pompe disease in mice by AAV-mediated liver delivery of secretable acid α -glucosidase. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	103
36	Regulated complex assembly safeguards the fidelity of Sleeping Beauty transposition. <i>Nucleic Acids Research</i> , 2017, 45, 311-326.	6.5	31

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37	129. Does Transcription Influence AAV-Mediated Homologous Recombination?. <i>Molecular Therapy</i> , 2016, 24, S53.	3.7	0
38	257. Selection of Next Generation AAV Gene Therapy Vectors for Specific and Precise Gene Delivery. <i>Molecular Therapy</i> , 2016, 24, S101.	3.7	0
39	737. RNAi Induced Hepatotoxicity Results from a Functional Depletion of the First Synthesized Isoform of miR-122. <i>Molecular Therapy</i> , 2016, 24, S290-S291.	3.7	0
40	48. Treatment of Methylmalonic Acidemia by Promoterless Gene-Targeting Using Adeno-Associated Viral (AAV) Mediated Homologous Recombination. <i>Molecular Therapy</i> , 2016, 24, S21-S22.	3.7	0
41	253. Expanded Packaging Capacity of AAV by Luminal Charge Alteration. <i>Molecular Therapy</i> , 2016, 24, S99-S100.	3.7	2
42	289. Sequence Modified Antibiotic Resistance Genes Provide Sustained Plasmid Mediated Transgene Expression in Mammals. <i>Molecular Therapy</i> , 2016, 24, S116.	3.7	0
43	539. Screening for Recombinant Adeno-Associated Viral Vectors That Selectively Transduce Hepatitis B Virus Infected Cells. <i>Molecular Therapy</i> , 2016, 24, S215.	3.7	0
44	722. AAV Capsid Evolution for Enhanced Antibody Delivery to Human Skeletal Muscle for Use in Next-Generation HIV Vaccines and Muscle Gene Therapies. <i>Molecular Therapy</i> , 2016, 24, S284-S285.	3.7	0
45	A Tribute to George Stamatoyannopoulos. <i>Human Gene Therapy</i> , 2016, 27, 280-286.	1.4	0
46	RNA interference-induced hepatotoxicity results from loss of the first synthesized isoform of microRNA-122 in mice. <i>Nature Medicine</i> , 2016, 22, 557-562.	15.2	32
47	Increased precursor microRNA-21 following status epilepticus can compete with mature microRNA-21 to alter translation. <i>Experimental Neurology</i> , 2016, 286, 137-146.	2.0	11
48	Dieter C. Gruenert, PhD (1949-2016). <i>Nucleic Acid Therapeutics</i> , 2016, 26, 266-267.	2.0	0
49	A universal system to select gene-modified hepatocytes in vivo. <i>Science Translational Medicine</i> , 2016, 8, 342ra79.	5.8	38
50	A bright cyan-excitable orange fluorescent protein facilitates dual-emission microscopy and enhances bioluminescence imaging in vivo. <i>Nature Biotechnology</i> , 2016, 34, 760-767.	9.4	221
51	94. AAV Integration Site Determination Using Illumina Mate Pair Sequencing. <i>Molecular Therapy</i> , 2015, 23, S39-S40.	3.7	0
52	303. AAV Capsid Evolution for Enhanced Antibody Delivery To Human Muscle for Use in Next-Generation HIV Vaccines. <i>Molecular Therapy</i> , 2015, 23, S122-S123.	3.7	0
53	305. A Screening Strategy for Selecting Recombinant Adeno-Associated Viral Vectors That Selectively Transduce Viral Infected Cells. <i>Molecular Therapy</i> , 2015, 23, S123.	3.7	0
54	578. microRNA Inhibition Through Gapmer Activated RNase H-Mediated Degradation. <i>Molecular Therapy</i> , 2015, 23, S230.	3.7	0

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55	683. In Vivo Expansion of Hepatocytes with Targeted rAAV Integration Results in a >100-Fold Increase of Transgene Expression. <i>Molecular Therapy</i> , 2015, 23, S272.	3.7	0
56	688. AAV8-Mediated Liver Gene Targeting Without Nucleases Rescues Lethality in a Mouse Model of the Crigler-Najjar Syndrome. <i>Molecular Therapy</i> , 2015, 23, S274.	3.7	0
57	Selecting the Best AAV Capsid for Human Studies. <i>Molecular Therapy</i> , 2015, 23, 1800-1801.	3.7	11
58	Novel codon-optimized mini-intronic plasmid for efficient, inexpensive and xeno-free induction of pluripotency. <i>Scientific Reports</i> , 2015, 5, 8081.	1.6	51
59	Drugging RNAi. <i>Science</i> , 2015, 347, 1069-1070.	6.0	74
60	Translational Data from Adeno-Associated Virus-Mediated Gene Therapy of Hemophilia B in Dogs. <i>Human Gene Therapy Clinical Development</i> , 2015, 26, 5-14.	3.2	29
61	Viral Vectors Take On HIV Infection. <i>New England Journal of Medicine</i> , 2015, 373, 770-772.	13.9	2
62	Recombinant AAV as a Platform for Translating the Therapeutic Potential of RNA Interference. <i>Molecular Therapy</i> , 2014, 22, 692-701.	3.7	111
63	Translational Data from AAV-Mediated Gene Therapy of Hemophilia B in Dogs. <i>Human Gene Therapy Clinical Development</i> , 2014, , 150127063140004.	3.2	2
64	Long-Term Safety and Efficacy of Factor IX Gene Therapy in Hemophilia B. <i>New England Journal of Medicine</i> , 2014, 371, 1994-2004.	13.9	1,063
65	Characterization of Vector-Based Delivery of <i>Neurogenin-3</i> in Murine Diabetes. <i>Human Gene Therapy</i> , 2014, 25, 651-661.	1.4	5
66	Weak base pairing in both seed and 3' regions reduces RNAi off-targets and enhances si/shRNA designs. <i>Nucleic Acids Research</i> , 2014, 42, 12169-12176.	6.5	27
67	Human <i>COL7A1</i> -corrected induced pluripotent stem cells for the treatment of recessive dystrophic epidermolysis bullosa. <i>Science Translational Medicine</i> , 2014, 6, 264ra163.	5.8	194
68	Somatic Correction of Junctional Epidermolysis Bullosa by a Highly Recombinogenic AAV Variant. <i>Molecular Therapy</i> , 2014, 22, 725-733.	3.7	60
69	Engineering Cellular Resistance to HIV. <i>New England Journal of Medicine</i> , 2014, 370, 968-969.	13.9	8
70	Selection and evaluation of clinically relevant AAV variants in a xenograft liver model. <i>Nature</i> , 2014, 506, 382-386.	13.7	376
71	Regulation of microRNA-mediated gene silencing by microRNA precursors. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 825-832.	3.6	23
72	Organ Size Control Is Dominant over Rb Family Inactivation to Restrict Proliferation In Vivo. <i>Cell Reports</i> , 2014, 8, 371-381.	2.9	30

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73	Genome Editing of Isogenic Human Induced Pluripotent Stem Cells Recapitulates Long QT Phenotype for Drug Testing. <i>Journal of the American College of Cardiology</i> , 2014, 64, 451-459.	1.2	149
74	Minicircle DNA Vectors Achieve Sustained Expression Reflected by Active Chromatin and Transcriptional Level. <i>Molecular Therapy</i> , 2013, 21, 131-138.	3.7	103
75	A Mini-intronic Plasmid (MIP): A Novel Robust Transgene Expression Vector In Vivo and In Vitro. <i>Molecular Therapy</i> , 2013, 21, 954-963.	3.7	51
76	The anti-genomic (negative) strand of Hepatitis C Virus is not targetable by shRNA. <i>Nucleic Acids Research</i> , 2013, 41, 3688-3698.	6.5	12
77	Cellular Immune Responses To Vector In a Gene Therapy Trial For Hemophilia B Using An AAV8 Self-Complementary Factor IX Vector. <i>Blood</i> , 2013, 122, 717-717.	0.6	0
78	AAV Vectors Containing rDNA Homology Display Increased Chromosomal Integration and Transgene Persistence. <i>Molecular Therapy</i> , 2012, 20, 1902-1911.	3.7	36
79	Ribosomal DNA Integrating rAAV-rDNA Vectors Allow for Stable Transgene Expression. <i>Molecular Therapy</i> , 2012, 20, 1912-1923.	3.7	27
80	Genome Editing of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells With Zinc Finger Nucleases for Cellular Imaging. <i>Circulation Research</i> , 2012, 111, 1494-1503.	2.0	99
81	rAAV-Mediated Tumorigenesis: Still Unresolved After an AAV Assault. <i>Molecular Therapy</i> , 2012, 20, 2014-2017.	3.7	33
82	Expression determinants of mammalian argonaute proteins in mediating gene silencing. <i>Nucleic Acids Research</i> , 2012, 40, 3704-3713.	6.5	35
83	The Loop Position of shRNAs and Pre-miRNAs Is Critical for the Accuracy of Dicer Processing In Vivo. <i>Cell</i> , 2012, 151, 900-911.	13.5	266
84	The Extragenic Spacer Length Between the 5' and 3' Ends of the Transgene Expression Cassette Affects Transgene Silencing From Plasmid-based Vectors. <i>Molecular Therapy</i> , 2012, 20, 2111-2119.	3.7	55
85	Stable Factor IX Activity Following AAV-Mediated Gene Transfer in Patients with Severe Hemophilia B. <i>Blood</i> , 2012, 120, 752-752.	0.6	2
86	Minicircle DNA-based Gene Therapy Coupled With Immune Modulation Permits Long-term Expression of β -L-Iduronidase in Mice With Mucopolysaccharidosis Type I. <i>Molecular Therapy</i> , 2011, 19, 450-460.	3.7	86
87	Adenovirus-Associated Virus Vector-Mediated Gene Transfer in Hemophilia B. <i>New England Journal of Medicine</i> , 2011, 365, 2357-2365.	13.9	1,606
88	Fate tracing of mature hepatocytes in mouse liver homeostasis and regeneration. <i>Journal of Clinical Investigation</i> , 2011, 121, 4850-4860.	3.9	376
89	State-of-the-art gene-based therapies: the road ahead. <i>Nature Reviews Genetics</i> , 2011, 12, 316-328.	7.7	587
90	Thermodynamic stability of small hairpin RNAs highly influences the loading process of different mammalian Argonautes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9208-9213.	3.3	71

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91	Adeno-Associated Viral Vector Mediated Gene Transfer for Hemophilia B. <i>Blood</i> , 2011, 118, 5-5.	0.6	4
92	Adeno-associated virus gene repair corrects a mouse model of hereditary tyrosinemia in vivo. <i>Hepatology</i> , 2010, 51, 1200-1208.	3.6	121
93	An in vitro-identified high-affinity nucleosome-positioning signal is capable of transiently positioning a nucleosome in vivo. <i>Epigenetics and Chromatin</i> , 2010, 3, 13.	1.8	20
94	How do miRNAs mediate translational repression?. <i>Silence: A Journal of RNA Regulation</i> , 2010, 1, 11.	8.0	140
95	A robust system for production of minicircle DNA vectors. <i>Nature Biotechnology</i> , 2010, 28, 1287-1289.	9.4	288
96	A nonviral minicircle vector for deriving human iPS cells. <i>Nature Methods</i> , 2010, 7, 197-199.	9.0	658
97	Human tRNA-derived small RNAs in the global regulation of RNA silencing. <i>Rna</i> , 2010, 16, 673-695.	1.6	583
98	FATP2 is a hepatic fatty acid transporter and peroxisomal very long-chain acyl-CoA synthetase. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E384-E393.	1.8	161
99	Low-level shRNA Cytotoxicity Can Contribute to MYC-induced Hepatocellular Carcinoma in Adult Mice. <i>Molecular Therapy</i> , 2010, 18, 161-170.	3.7	39
100	Hyperactive Sleeping Beauty Transposase Enables Persistent Phenotypic Correction in Mice and a Canine Model for Hemophilia B. <i>Molecular Therapy</i> , 2010, 18, 1896-1906.	3.7	75
101	Argonaute proteins are key determinants of RNAi efficacy, toxicity, and persistence in the adult mouse liver. <i>Journal of Clinical Investigation</i> , 2010, 120, 3106-3119.	3.9	161
102	Early Clinical Trial Results Following Administration of a Low Dose of a Novel Self Complementary Adeno-Associated Viral Vector Encoding Human Factor IX In Two Subjects with Severe Hemophilia B. <i>Blood</i> , 2010, 116, 248-248.	0.6	19
103	Combined proteomic and RNAi screen for host factors involved in human hepatitis delta virus replication. <i>Rna</i> , 2009, 15, 1971-1979.	1.6	43
104	A rapid protocol for construction and production of high-capacity adenoviral vectors. <i>Nature Protocols</i> , 2009, 4, 547-564.	5.5	66
105	Biological basis for restriction of microRNA targets to the 3' untranslated region in mammalian mRNAs. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 144-150.	3.6	383
106	Novel Minicircle Vector for Gene Therapy in Murine Myocardial Infarction. <i>Circulation</i> , 2009, 120, S230-7.	1.6	91
107	Hepatic parenchymal replacement in mice by transplanted allogeneic hepatocytes is facilitated by bone marrow transplantation and mediated by CD4 cells. <i>Hepatology</i> , 2008, 47, 706-718.	3.6	10
108	Capped small RNAs and MOV10 in human hepatitis delta virus replication. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 714-721.	3.6	72

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109	In Vitro and In Vivo Gene Therapy Vector Evolution via Multispecies Interbreeding and Retargeting of Adeno-Associated Viruses. <i>Journal of Virology</i> , 2008, 82, 5887-5911.	1.5	546
110	Radioprotection <i>In Vitro</i> and <i>In Vivo</i> by Minicircle Plasmid Carrying the Human Manganese Superoxide Dismutase Transgene. <i>Human Gene Therapy</i> , 2008, 19, 820-826.	1.4	60
111	Silencing of Hepatic Fatty Acid Transporter Protein 5 <i>In Vivo</i> Reverses Diet-induced Non-alcoholic Fatty Liver Disease and Improves Hyperglycemia. <i>Journal of Biological Chemistry</i> , 2008, 283, 22186-22192.	1.6	133
112	Silencing of Episomal Transgene Expression in Liver by Plasmid Bacterial Backbone DNA Is Independent of CpG Methylation. <i>Molecular Therapy</i> , 2008, 16, 548-556.	3.7	141
113	The Host Response to Adenovirus, Helper-dependent Adenovirus, and Adeno-associated Virus in Mouse Liver. <i>Molecular Therapy</i> , 2008, 16, 931-941.	3.7	93
114	Expression of shRNA From a Tissue-specific pol II Promoter Is an Effective and Safe RNAi Therapeutic. <i>Molecular Therapy</i> , 2008, 16, 1630-1636.	3.7	183
115	Distinct pathways of genomic progression to benign and malignant tumors of the liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14771-14776.	3.3	193
116	Somatic Integration From an Adenoviral Hybrid Vector into a Hot Spot in Mouse Liver Results in Persistent Transgene Expression Levels <i>In Vivo</i> . <i>Molecular Therapy</i> , 2007, 15, 146-156.	3.7	41
117	Histone Modifications are Associated with the Persistence or Silencing of Vector-mediated Transgene Expression <i>In Vivo</i> . <i>Molecular Therapy</i> , 2007, 15, 1348-1355.	3.7	123
118	Correction of DNA Protein Kinase Deficiency by Spliceosome-mediated RNA Trans-splicing and Sleeping Beauty Transposon Delivery. <i>Molecular Therapy</i> , 2007, 15, 1273-1279.	3.7	24
119	Adenovirus Transduction is Required for the Correction of Diabetes Using Pdx-1 or Neurogenin-3 in the Liver. <i>Molecular Therapy</i> , 2007, 15, 255-263.	3.7	111
120	Site-directed transposon integration in human cells. <i>Nucleic Acids Research</i> , 2007, 35, e50-e50.	6.5	129
121	Rapid and Stable Knockdown of an Endogenous Gene in Retinal Pigment Epithelium. <i>Human Gene Therapy</i> , 2007, 18, 871-880.	1.4	22
122	Cis-Acting Gene Regulatory Activities in the Terminal Regions of Sleeping Beauty DNA Transposon-Based Vectors. <i>Human Gene Therapy</i> , 2007, 18, 1193-1204.	1.4	39
123	The Role of DNA-PKcs and Artemis in Opening Viral DNA Hairpin Termini in Various Tissues in Mice. <i>Journal of Virology</i> , 2007, 81, 11304-11321.	1.5	61
124	DNA Palindromes with a Modest Arm Length of ~320 Base Pairs Are a Significant Target for Recombinant Adeno-Associated Virus Vector Integration in the Liver, Muscles, and Heart in Mice. <i>Journal of Virology</i> , 2007, 81, 11290-11303.	1.5	48
125	microRNAs outwit immune limitations in gene therapy. <i>Blood</i> , 2007, 110, 4136-4137.	0.6	0
126	RNAi and Gene Therapy: A Mutual Attraction. <i>Hematology American Society of Hematology Education Program</i> , 2007, 2007, 473-481.	0.9	75

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127	AAV vectors and tumorigenicity. <i>Nature Biotechnology</i> , 2007, 25, 1111-1113.	9.4	38
128	Robust expansion of human hepatocytes in Fah ^Δ /Rag2 ^Δ /Il2rg ^Δ mice. <i>Nature Biotechnology</i> , 2007, 25, 903-910.	9.4	729
129	Sarcoma Derived from Cultured Mesenchymal Stem Cells. <i>Stem Cells</i> , 2007, 25, 371-379.	1.4	601
130	Therapeutic application of RNAi: is mRNA targeting finally ready for prime time?. <i>Journal of Clinical Investigation</i> , 2007, 117, 3633-3641.	3.9	132
131	Minicircle Plasmid Containing the Human Manganese Superoxide Dismutase (MnSOD) Transgene Confers Radioprotection to Hematopoietic Progenitor Cell Line 32Dcl3.. <i>Blood</i> , 2007, 110, 5138-5138.	0.6	0
132	374. Hepatitis Delta Virus-Mediated Amplification of Therapeutic RNAi. <i>Molecular Therapy</i> , 2006, 13, S142.	3.7	0
133	Host factors that impact the biodistribution and persistence of multipotent adult progenitor cells. <i>Blood</i> , 2006, 107, 4182-4188.	0.6	75
134	Successful transduction of liver in hemophilia by AAV-Factor IX and limitations imposed by the host immune response. <i>Nature Medicine</i> , 2006, 12, 342-347.	15.2	1,865
135	Fatality in mice due to oversaturation of cellular microRNA/short hairpin RNA pathways. <i>Nature</i> , 2006, 441, 537-541.	13.7	1,518
136	Liver Transduction with Recombinant Adeno-Associated Virus Is Primarily Restricted by Capsid Serotype Not Vector Genotype. <i>Journal of Virology</i> , 2006, 80, 426-439.	1.5	104
137	The 37/67-Kilodalton Laminin Receptor Is a Receptor for Adeno-Associated Virus Serotypes 8, 2, 3, and 9. <i>Journal of Virology</i> , 2006, 80, 9831-9836.	1.5	356
138	516. Development of a Minicircle Vector Free of Plasmid Bacterial DNA Sequences and Capable of ΔC31-Mediated Site-Specific Integration. <i>Molecular Therapy</i> , 2006, 13, S198-S199.	3.7	0
139	796. Pol II-Driven shRNA as an Effective Hepatitis B Virus Therapeutic. <i>Molecular Therapy</i> , 2006, 13, S308-S309.	3.7	0
140	9. Biology of rAAV8 in Mouse Liver Following Vector Administration at Birth. <i>Molecular Therapy</i> , 2006, 13, S4.	3.7	0
141	114. Revisiting rAAV Vector Integration in scid Mice: DNA-PKcs Deficiency Does Not Substantially Increase Integration Frequency in Hepatic and Non-Hepatic Tissues In Vivo. <i>Molecular Therapy</i> , 2006, 13, S47.	3.7	0
142	1099. RNAi-Based Therapy for the Treatment of HCV. <i>Molecular Therapy</i> , 2006, 13, S422-S423.	3.7	0
143	108. Study of an AAV-8 Capsid Mutant with Direct Heparin Binding Capability but Reduced Efficiency in Liver-Targeted Transduction. <i>Molecular Therapy</i> , 2006, 13, S44-S45.	3.7	0
144	11. Transposition from a Gene-Deleted Adenoviral Vector Results in Phenotypic Correction in a Canine Model for Hemophilia B. <i>Molecular Therapy</i> , 2006, 13, S5.	3.7	0

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145	1066. A Novel Class of Miniature Stabilized Double-Stranded AAV (msdsAAV) Vectors for the In Vivo Expression of Short Hairpin RNAs. <i>Molecular Therapy</i> , 2006, 13, S409.	3.7	0
146	742. Molecular Evolution of Adeno-Associated Viral (AAV) Vectors Via DNA Family Shuffling of Primate and Non-Primate Serotypes. <i>Molecular Therapy</i> , 2006, 13, S287.	3.7	0
147	746. Localization of Structural Determinants in AAV Capsid for Efficient Liver Transduction by Domain Swapping between AAV-2 and AAV-8. <i>Molecular Therapy</i> , 2006, 13, S288.	3.7	0
148	489. Treatment for Hemophilia B Using Self- Complimentary AAV8 Vectors. <i>Molecular Therapy</i> , 2006, 13, S189-S190.	3.7	0
149	792. Post-Integrative Gene Silencing in the Sleeping Beauty Transposition System. <i>Molecular Therapy</i> , 2006, 13, S307.	3.7	0
150	1034. Expression of Short Hairpin RNAs by Liver and Non Liver Specific RNA Pol II Expression Cassettes: What Governs Activity?. <i>Molecular Therapy</i> , 2006, 13, S397.	3.7	0
151	680. Non-Viral Transposon Mediated Gene Transfer of Human Factor VIII to Hemophilia A Mice. <i>Molecular Therapy</i> , 2006, 13, S262.	3.7	0
152	805. Fatality in Mice Due to Oversaturation of Cellular Micro/Short Hairpin RNA Pathways. <i>Molecular Therapy</i> , 2006, 13, S312.	3.7	0
153	Robust systemic transduction with AAV9 vectors in mice: efficient global cardiac gene transfer superior to that of AAV8. <i>Molecular Therapy</i> , 2006, 14, 45-53.	3.7	527
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