James M Wilson

List of Publications by Year
in descending order

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623	62,064	435 131	1424 221
papers	citations	h-index	g-index

642	642	642	30960
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cellular immunity to viral antigens limits E1-deleted adenoviruses for gene therapy.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4407-4411.	7.1	1,594
2	Novel adeno-associated viruses from rhesus monkeys as vectors for human gene therapy. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11854-11859.	7.1	1,398
3	Fatal systemic inflammatory response syndrome in a ornithine transcarbamylase deficient patient following adenoviral gene transfer. Molecular Genetics and Metabolism, 2003, 80, 148-158.	1.1	1,309
4	Human Î²-Defensin-1 Is a Salt-Sensitive Antibiotic in Lung That Is Inactivated in Cystic Fibrosis. Cell, 1997, 88, 553-560.	28.9	1,059
5	Clades of Adeno-Associated Viruses Are Widely Disseminated in Human Tissues. Journal of Virology, 2004, 78, 6381-6388.	3.4	900
6	Recombinant adeno-associated virus for muscle directed gene therapy. Nature Medicine, 1997, 3, 306-312.	30.7	661
7	The peptide antibiotic LL-37/hCAP-18 is expressed in epithelia of the human lung where it has broad antimicrobial activity at the airway surface. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9541-9546.	7.1	658
8	Immune responses to adenovirus and adeno-associated virus in humans. Gene Therapy, 1999, 6, 1574-1583.	4.5	655
9	Submucosal glands are the predominant site of CFTR expression in the human bronchus. Nature Genetics, 1992, 2, 240-248.	21.4	649
10	MHC class I-cestricted cytotoxic T lymphocytes to viral antigens destroy hepatocytes in mice infected with E1-deleted recombinant adenoviruses. Immunity, 1994, 1, 433-442.	14.3	648
11	Human gene therapy for RPE65 isomerase deficiency activates the retinoid cycle of vision but with slow rod kinetics. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15112-15117.	7.1	639
12	Ablation of E2A in recombinant adenoviruses improves transgene persistence and decreases inflammatory response in mouse liver.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6196-6200.	7.1	633
13	Worldwide Epidemiology of Neutralizing Antibodies to Adenoâ€Associated Viruses. Journal of Infectious Diseases, 2009, 199, 381-390.	4.0	632
14	A model system for in vivo gene transfer into the central nervous system using an adenoviral vector. Nature Genetics, 1993, 3, 219-223.	21.4	609
15	Correction of the cystic fibrosis defect in vitro by retrovirus-mediated gene transfer. Cell, 1990, 62, 1227-1233.	28.9	595
16	A Controlled Study of Adenoviral-Vectorâ€“Mediated Gene Transfer in the Nasal Epithelium of Patients with Cystic Fibrosis. New England Journal of Medicine, 1995, 333, 823-831.	27.0	591
17	Successful ex vivo gene therapy directed to liver in a patient with familial hypercholesterolaemia. Nature Genetics, 1994, 6, 335-341.	21.4	577
18	Severe Toxicity in Nonhuman Primates and Piglets Following High-Dose Intravenous Administration of an Adeno-Associated Virus Vector Expressing Human SMN. Human Gene Therapy, 2018, 29, 285-298.	2.7	543

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19	A pilot study of ex vivo gene therapy for homozygous familial hypercholesterolaemia. Nature Medicine, 1995, 1, 1148-1154.	30.7	515
20	Inactivation of E2a in recombinant adenoviruses improves the prospect for gene therapy in cystic fibrosis. Nature Genetics, 1994, 7, 362-369.	21.4	511
21	Gene Therapy Vectors Based on Adeno-Associated Virus Type 1. Journal of Virology, 1999, 73, 3994-4003.	3.4	484
22	Stable gene transfer and expression of human blood coagulation factor IX after intramuscular injection of recombinant adeno-associated virus. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 5804-5809.	7.1	480
23	A dual AAV system enables the Cas9-mediated correction of a metabolic liver disease in newborn mice. Nature Biotechnology, 2016, 34, 334-338.	17.5	476
24	New Recombinant Serotypes of AAV Vectors. Current Gene Therapy, 2005, 5, 285-297.	2.0	461
25	Adenoviruses as Gene-Delivery Vehicles. New England Journal of Medicine, 1996, 334, 1185-1187.	27.0	460
26	Gene therapy: adenovirus vectors. Current Opinion in Genetics and Development, 1993, 3, 499-503.	3.3	421
27	Transduction of Dendritic Cells by DNA Viral Vectors Directs the Immune Response to Transgene Products in Muscle Fibers. Journal of Virology, 1998, 72, 4212-4223.	3.4	419
28	CD40 Ligand-Dependent T Cell Activation: Requirement of B7-CD28 Signaling Through CD40. Science, 1996, 273, 1862-1864.	12.6	391
29	Inefficient gene transfer by adenovirus vector to cystic fibrosis airway epithelia of mice and humans. Nature, 1994, 371, 802-806.	27.8	381
30	Acute Cytokine Response to Systemic Adenoviral Vectors in Mice Is Mediated by Dendritic Cells and Macrophages. Molecular Therapy, 2001, 3, 697-707.	8.2	367
31	Cathelicidins - a family of multifunctional antimicrobial peptides. Cellular and Molecular Life Sciences, 2003, 60, 711-720.	5.4	364
32	Chronic suppression of heart-failure progression by a pseudophosphorylated mutant of phospholamban via in vivo cardiac rAAV gene delivery. Nature Medicine, 2002, 8, 864-871.	30.7	344
33	Repeated nebulisation of non-viral CFTR gene therapy in patients with cystic fibrosis: a randomised, double-blind, placebo-controlled, phase 2b trial. Lancet Respiratory Medicine,the, 2015, 3, 684-691.	10.7	344
34	Implantation of vascular grafts lined with genetically modified endothelial cells. Science, 1989, 244, 1344-1346.	12.6	343
35	Adenovirus-Mediated Transfer of the CFTR Gene to Lung of Nonhuman Primates: Toxicity Study. Human Gene Therapy, 1993, 4, 771-780.	2.7	338
36	A Pilot Study ofIn VivoLiver-Directed Gene Transfer with an Adenoviral Vector in Partial Ornithine Transcarbamylase Deficiency. Human Gene Therapy, 2002, 13, 163-175.	2.7	337

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37	Exchange of surface proteins impacts on viral vector cellular specificity and transduction characteristics: the retina as a model. Human Molecular Genetics, 2001, 10, 3075-3081.	2.9	335
38	The common variant of cystic fibrosis transmembrane conductance regulator is recognized by hsp70 and degraded in a pre-Golgi nonlysosomal compartment.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 9480-9484.	7.1	332
39	Activation of Innate Immunity in Nonhuman Primates Following Intraportal Administration of Adenoviral Vectors. Molecular Therapy, 2001, 3, 708-722.	8.2	329
40	Adenovirus-Mediated Herpes Simplex Virus Thymidine Kinase/Ganciclovir Gene Therapy in Patients with Localized Malignancy: Results of a Phase I Clinical Trial in Malignant Mesothelioma. Human Gene Therapy, 1998, 9, 1083-1092.	2.7	328
41	Natural Killer T Cell Ligand Î±-Galactosylceramide Enhances Protective Immunity Induced by Malaria Vaccines. Journal of Experimental Medicine, 2002, 195, 617-624.	8.5	321
42	Direct gene transfer of human CFTR into human bronchial epithelia of xenografts with E1â€“deleted adenoviruses. Nature Genetics, 1993, 4, 27-34.	21.4	317
43	Regulated Delivery of Therapeutic Proteins After in Vivo Somatic Cell Gene Transfer. Science, 1999, 283, 88-91.	12.6	313
44	Recombinant Adenovirus Deleted of All Viral Genes for Gene Therapy of Cystic Fibrosis. Virology, 1996, 217, 11-22.	2.4	308
45	Sequestration of Adenoviral Vector by Kupffer Cells Leads to a Nonlinear Dose Response of Transduction in Liver. Molecular Therapy, 2001, 3, 28-35.	8.2	306
46	Filovirus-pseudotyped lentiviral vector can efficiently and stably transduce airway epithelia in vivo. Nature Biotechnology, 2001, 19, 225-230.	17.5	300
47	The Neurotropic Properties of AAV-PHP.B Are Limited to C57BL/6J Mice. Molecular Therapy, 2018, 26, 664-668.	8.2	300
48	Phase 2 Clinical Trial of a Recombinant Adeno-Associated Viral Vector Expressing Î±₁-Antitrypsin: Interim Results. Human Gene Therapy, 2011, 22, 1239-1247.	2.7	297
49	Sustained transgene expression despite T lymphocyte responses in a clinical trial of rAAV1-AAT gene therapy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16363-16368.	7.1	295
50	Adeno-associated viruses undergo substantial evolution in primates during natural infections. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6081-6086.	7.1	293
51	Rapid, Simple, and Versatile Manufacturing of Recombinant Adeno-Associated Viral Vectors at Scale. Human Gene Therapy, 2010, 21, 1259-1271.	2.7	283
52	Isolation of Highly Infectious and Pure Adeno-Associated Virus Type 2 Vectors with a Single-Step Gravity-Flow Column. Human Gene Therapy, 2001, 12, 71-76.	2.7	278
53	Comparative Analysis of Adeno-Associated Viral Vector Serotypes 1, 2, 5, 7, And 8 in Mouse Brain. Human Gene Therapy, 2007, 18, 195-206.	2.7	273
54	Upregulation of class I major histocompatibility complex antigens by interferon gamma is necessary for T-cell-mediated elimination of recombinant adenovirus-infected hepatocytes in vivo.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 7257-7261.	7.1	270

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55	Adeno-Associated Virus Antibody Profiles in Newborns, Children, and Adolescents. Vaccine Journal, 2011, 18, 1586-1588.	3.1	269
56	Augmentation of Innate Host Defense by Expression of a Cathelicidin Antimicrobial Peptide. Infection and Immunity, 1999, 67, 6084-6089.	2.2	268
57	Recombinant ILâ€“12 prevents formation of blocking IgA antibodies to recombinant adenovirus and allows repeated gene therapy to mouse lung. Nature Medicine, 1995, 1, 890-893.	30.7	262
58	Long-term pharmacologically regulated expression of erythropoietin in primates following AAV-mediated gene transfer. Blood, 2005, 105, 1424-1430.	1.4	258
59	Replication-Defective Vector Based on a Chimpanzee Adenovirus. Journal of Virology, 2001, 75, 11603-11613.	3.4	253
60	Adeno-Associated Virus (AAV) Serotype 9 Provides Global Cardiac Gene Transfer Superior to AAV1, AAV6, AAV7, and AAV8 in the Mouse and Rat. Human Gene Therapy, 2008, 19, 1359-1368.	2.7	247
61	HIV-1 suppression and durable control by combining single broadly neutralizing antibodies and antiretroviral drugs in humanized mice. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16538-16543.	7.1	247
62	Lessons learned from the gene therapy trial for ornithine transcarbamylase deficiency. Molecular Genetics and Metabolism, 2009, 96, 151-157.	1.1	246
63	A Replication-Defective Human Adenovirus Recombinant Serves as a Highly Efficacious Vaccine Carrier. Virology, 1996, 219, 220-227.	2.4	243
64	Expression of the cystic fibrosis gene in adult human lung.. Journal of Clinical Investigation, 1994, 93, 737-749.	8.2	234
65	Prolonged Transgene Expression in Cotton Rat Lung with Recombinant Adenoviruses Defective in E2a. Human Gene Therapy, 1994, 5, 1217-1229.	2.7	232
66	Stable transgene expression in rod photoreceptors after recombinant adeno-associated virus-mediated gene transfer to monkey retina. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 9920-9925.	7.1	226
67	Hepatic regulatory T cells and Kupffer cells are crucial mediators of systemic T cell tolerance to antigens targeting murine liver. Hepatology, 2009, 50, 612-621.	7.3	226
68	Adenovirus-Mediated Transfer of the CFTR Gene to Lung of Nonhuman Primates: Biological Efficacy Study. Human Gene Therapy, 1993, 4, 759-769.	2.7	225
69	â€œStealthâ€•Adenoviruses Blunt Cell-Mediated and Humoral Immune Responses against the Virus and Allow for Significant Gene Expression upon Readministration in the Lung. Journal of Virology, 2001, 75, 4792-4801.	3.4	221
70	Î²-Defensin 1 Contributes to Pulmonary Innate Immunity in Mice. Infection and Immunity, 2002, 70, 3068-3072.	2.2	220
71	Novel Adeno-Associated Virus Serotypes Efficiently Transduce Murine Photoreceptors. Journal of Virology, 2007, 81, 11372-11380.	3.4	210
72	Stable restoration of the sarcoglycan complex in dystrophic muscle perfused with histamine and a recombinant adeno-associated viral vector. Nature Medicine, 1999, 5, 439-443.	30.7	207

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73	Hybrid Vectors Based on Adeno-Associated Virus Serotypes 2 and 5 for Muscle-Directed Gene Transfer. Journal of Virology, 2001, 75, 6199-6203.	3.4	203
74	Targeted Transduction Patterns in the Mouse Brain by Lentivirus Vectors Pseudotyped with VSV, Ebola, Mokola, LCMV, or MuLV Envelope Proteins. Molecular Therapy, 2002, 5, 528-537.	8.2	198
75	Impact of Preexisting and Induced Humoral and Cellular Immune Responses in an Adenovirus-Based Gene Therapy Phase I Clinical Trial for Localized Mesothelioma. Human Gene Therapy, 1998, 9, 2121-2133.	2.7	196
76	A Simian Replication-Defective Adenoviral Recombinant Vaccine to HIV-1 Gag. Journal of Immunology, 2003, 170, 1416-1422.	0.8	193
77	Heparin binding directs activation of T cells against adeno-associated virus serotype 2 capsid. Nature Medicine, 2006, 12, 967-971.	30.7	193
78	Humoral Immune Response to AAV. Frontiers in Immunology, 2013, 4, 341.	4.8	190
79	Total correction of hemophilia A mice with canine FVIII using an AAV 8 serotype. Blood, 2004, 103, 1253-1260.	1.4	188
80	High-Titer Adeno-Associated Viral Vectors from a Rep/Cap Cell Line and Hybrid Shuttle Virus. Human Gene Therapy, 1998, 9, 2353-2362.	2.7	186
81	Novel, Chimpanzee Serotype 68-Based Adenoviral Vaccine Carrier for Induction of Antibodies to a Transgene Product. Journal of Virology, 2002, 76, 2667-2675.	3.4	186
82	Lancet Commission: Stem cells and regenerative medicine. Lancet, The, 2018, 391, 883-910.	13.7	184
83	The innate immune system in cystic fibrosis lung disease. Journal of Clinical Investigation, 1999, 103, 303-307.	8.2	184
84	Toll-Like Receptor 4 Mediates Innate Immune Responses toHaemophilus influenzaeInfection in Mouse Lung. Journal of Immunology, 2002, 168, 810-815.	0.8	182
85	Amelioration of collagen-induced arthritis by CD95 (Apo-1/Fas)-ligand gene transfer.. Journal of Clinical Investigation, 1997, 100, 1951-1957.	8.2	182
86	CpG-depleted adeno-associated virus vectors evade immune detection. Journal of Clinical Investigation, 2013, 123, 2994-3001.	8.2	182
87	Novel AAV serotypes for improved ocular gene transfer. Journal of Gene Medicine, 2008, 10, 375-382.	2.8	180
88	Human Airway Epithelial Cells SensePseudomonas aeruginosaInfection via Recognition of Flagellin by Toll-Like Receptor 5. Infection and Immunity, 2005, 73, 7151-7160.	2.2	179
89	Dosage Thresholds for AAV2 and AAV8 Photoreceptor Gene Therapy in Monkey. Science Translational Medicine, 2011, 3, 88ra54.	12.4	179
90	The low density lipoprotein receptor is not required for normal catabolism of Lp(a) in humans.. Journal of Clinical Investigation, 1995, 95, 1403-1408.	8.2	177

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91	Long-term regulated expression of growth hormone in mice after intramuscular gene transfer. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 8657-8662.	7.1	177
92	Purification of Recombinant Adeno-Associated Virus Vectors by Column Chromatography and Its Performancein Vivo. Human Gene Therapy, 2000, 11, 2079-2091.	2.7	176
93	Effective treatment of familial hypercholesterolaemia in the mouse model using adenovirusâ€“mediated transfer of the VLDL receptor gene. Nature Genetics, 1996, 13, 54-62.	21.4	175
94	Expression of alpha v beta 5 integrin is necessary for efficient adenovirus-mediated gene transfer in the human airway. Journal of Virology, 1995, 69, 5951-5958.	3.4	175
95	Humoral Immunity to Adeno-Associated Virus Type 2 Vectors following Administration to Murine and Nonhuman Primate Muscle. Journal of Virology, 2000, 74, 2420-2425.	3.4	174
96	Adenoviral-mediated gene transfer to rabbit synovium in vivo.. Journal of Clinical Investigation, 1993, 92, 1085-1092.	8.2	174
97	Bacterial Phosphorylcholine Decreases Susceptibility to the Antimicrobial Peptide LL-37/hCAP18 Expressed in the Upper Respiratory Tract. Infection and Immunity, 2000, 68, 1664-1671.	2.2	173
98	Mouse Î²-Defensin 1 Is a Salt-Sensitive Antimicrobial Peptide Present in Epithelia of the Lung and Urogenital Tract. Infection and Immunity, 1998, 66, 1225-1232.	2.2	172
99	Mouse Î²-Defensin 3 Is an Inducible Antimicrobial Peptide Expressed in the Epithelia of Multiple Organs. Infection and Immunity, 1999, 67, 3542-3547.	2.2	172
100	Transfer of a cathelicidin peptide antibiotic gene restores bacterial killing in a cystic fibrosis xenograft model. Journal of Clinical Investigation, 1999, 103, 1113-1117.	8.2	172
101	Efficacy and safety of adeno-associated viral vectors based on serotype 8 and 9 vs. lentiviral vectors for hemophilia B gene therapy. Journal of Thrombosis and Haemostasis, 2007, 5, 16-24.	3.8	170
102	Impact of Pre-Existing Immunity on Gene Transfer to Nonhuman Primate Liver with Adeno-Associated Virus 8 Vectors. Human Gene Therapy, 2011, 22, 1389-1401.	2.7	170
103	Universal protection against influenza infection by a multidomain antibody to influenza hemagglutinin. Science, 2018, 362, 598-602.	12.6	170
104	Cyclophosphamide Diminishes Inflammation and Prolongs Transgene Expression Following Delivery of Adenoviral Vectors to Mouse Liver and Lung. Human Gene Therapy, 1996, 7, 1555-1566.	2.7	166
105	PEGylation of E1-Deleted Adenovirus Vectors Allows Significant Gene Expression on Readministration to Liver. Human Gene Therapy, 2002, 13, 1887-1900.	2.7	166
106	Sustained correction of disease in naive and AAV2-pretreated hemophilia B dogs: AAV2/8-mediated, liver-directed gene therapy. Blood, 2005, 105, 3079-3086.	1.4	162
107	Biology of AAV Serotype Vectors in Liver-Directed Gene Transfer to Nonhuman Primates. Molecular Therapy, 2006, 13, 77-87.	8.2	161
108	The GPI-Linked Protein LY6A Drives AAV-PHP.B Transport across the Blood-Brain Barrier. Molecular Therapy, 2019, 27, 912-921.	8.2	158

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109	Development of formulations that enhance physical stability of viral vectors for gene therapy. Gene Therapy, 2001, 8, 1281-1290.	4.5	156
110	Lessons Learned from the Clinical Development and Market Authorization of Glybera. Human Gene Therapy Clinical Development, 2013, 24, 55-64.	3.1	154
111	In Vivo Expression of Full-Length Human Dystrophin from Adenoviral Vectors Deleted of All Viral Genes. Human Gene Therapy, 1996, 7, 1907-1914.	2.7	153
112	Enhanced Survival of the LINCL Mouse Following CLN2 Gene Transfer Using the rh.10 Rhesus Macaque-derived Adeno-associated Virus Vector. Molecular Therapy, 2007, 15, 481-491.	8.2	153
113	Transduction Efficiencies of Novel AAV Vectors in Mouse Airway Epithelium In Vivo and Human Ciliated Airway Epithelium In Vitro. Molecular Therapy, 2009, 17, 294-301.	8.2	153
114	Expanded Repertoire of AAV Vector Serotypes Mediate Unique Patterns of Transduction in Mouse Brain. Molecular Therapy, 2008, 16, 1710-1718.	8.2	152
115	Tailoring the AAV vector capsid for gene therapy. Gene Therapy, 2009, 16, 311-319.	4.5	152
116	Adeno-Associated Virus as a Vector for Liver-Directed Gene Therapy. Journal of Virology, 1998, 72, 10222-10226.	3.4	152
117	Correction of the genetic defect in hepatocytes from the Watanabe heritable hyperlipidemic rabbit.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 4421-4425.	7.1	150
118	The AAV9 receptor and its modification to improve in vivo lung gene transfer in mice. Journal of Clinical Investigation, 2011, 121, 2427-2435.	8.2	150
119	Immunology of gene therapy with adenoviral vectors in mouse skeletal muscle. Human Molecular Genetics, 1996, 5, 1703-1712.	2.9	149
120	Persistent transgene product in retina, optic nerve and brain after intraocular injection of rAAV. Vision Research, 1999, 39, 2545-2553.	1.4	149
121	Retrovirus-mediated transduction of adult hepatocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 3014-3018.	7.1	148
122	Prolonged Metabolic Correction in Adult Ornithine Transcarbamylase-deficient Mice with Adenoviral Vectors. Journal of Biological Chemistry, 1996, 271, 3639-3646.	3.4	146
123	Longitudinal Evaluation and Assessment of Cardiovascular Disease in Patients With Homozygous Familial Hypercholesterolemia. American Journal of Cardiology, 2008, 102, 1438-1443.	1.6	146
124	Moving Forward After Two Deaths in a Gene Therapy Trial of Myotubular Myopathy. Human Gene Therapy, 2020, 31, 695-696.	2.7	145
125	Inhibition of Retinal Neovascularization by Intraocular Viral-Mediated Delivery of Anti-angiogenic Agents. Molecular Therapy, 2002, 6, 490-494.	8.2	144
126	PEGylation of a Vesicular Stomatitis Virus G Pseudotyped Lentivirus Vector Prevents Inactivation in Serum. Journal of Virology, 2004, 78, 912-921.	3.4	143

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127	Erythropoietin gene therapy leads to autoimmune anemia in macaques. Blood, 2004, 103, 3300-3302.	1.4	141
128	Adeno-associated virus serotype 9 vectors transduce murine alveolar and nasal epithelia and can be readministered. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 12993-12998.	7.1	141
129	An approach for treating the hepatobiliary disease of cystic fibrosis by somatic gene transfer.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 4601-4605.	7.1	140
130	A Phase I Study of Adenovirus-Mediated Transfer of the Human Cystic Fibrosis Transmembrane Conductance Regulator Gene to a Lung Segment of Individuals with Cystic Fibrosis. Human Gene Therapy, 1999, 10, 2973-2985.	2.7	138
131	Muscle-Specific Promoters May Be Necessary for Adeno-Associated Virus-Mediated Gene Transfer in the Treatment of Muscular Dystrophies. Human Gene Therapy, 2001, 12, 205-215.	2.7	138
132	Analysis of Tumors Arising in Male B6C3F1 Mice with and without AAV Vector Delivery to Liver. Molecular Therapy, 2006, 14, 34-44.	8.2	137
133	Sustained Production of Î²-Glucuronidase from Localized Sites after AAV Vector Gene Transfer Results in Widespread Distribution of Enzyme and Reversal of Lysosomal Storage Lesions in a Large Volume of Brain in Mucopolysaccharidosis VII Mice. Experimental Neurology, 1999, 160, 17-27.	4.1	135
134	Human cone photoreceptor dependence on RPE65 isomerase. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15123-15128.	7.1	135
135	Development of a Rapid Method for the PEGylation of Adenoviruses with Enhanced Transduction and Improved Stability under Harsh Storage Conditions. Human Gene Therapy, 2000, 11, 1713-1722.	2.7	133
136	Human Treg responses allow sustained recombinant adeno-associated virusâ€“mediated transgene expression. Journal of Clinical Investigation, 2013, 123, 5310-5318.	8.2	133
137	Resolution of Primary Severe Acute Respiratory Syndrome-Associated Coronavirus Infection Requires Stat1. Journal of Virology, 2004, 78, 11416-11421.	3.4	132
138	Absolute Determination of Single-Stranded and Self-Complementary Adeno-Associated Viral Vector Genome Titers by Droplet Digital PCR. Human Gene Therapy Methods, 2014, 25, 115-125.	2.1	132
139	Blunting of immune responses to adenoviral vectors in mouse liver and lung with CTLA4Ig. Gene Therapy, 1998, 5, 309-319.	4.5	131
140	Interferon-Î² gene therapy inhibits tumor formation and causes regression of established tumors in immune-deficient mice. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 14411-14416.	7.1	129
141	Oral Vaccination of Mice with Adenoviral Vectors Is Not Impaired by Preexisting Immunity to the Vaccine Carrier. Journal of Virology, 2003, 77, 10780-10789.	3.4	129
142	Adeno-Associated Virus-Induced Dorsal Root Ganglion Pathology. Human Gene Therapy, 2020, 31, 808-818.	2.7	129
143	Hypoxanthine-Guanine Phosphoribosyltransferase Deficiency. New England Journal of Medicine, 1983, 309, 900-910.	27.0	128
144	IN VIVO SOMATIC CELL GENE TRANSFER OF AN ENGINEERED NOGGIN MUTEIN PREVENTS BMP4-INDUCED HETEROTOPIC OSSIFICATION. Journal of Bone and Joint Surgery - Series A, 2003, 85, 2332-2342.	3.0	128

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145	AAV2 Vector Harboring a Liver-Restricted Promoter Facilitates Sustained Expression of Therapeutic Levels of Î±-Galactosidase A and the Induction of Immune Tolerance in Fabry Mice. Molecular Therapy, 2004, 9, 231-240.	8.2	127
146	Perceived quality of life in schizophrenia: Relationships to sleep quality. Quality of Life Research, 2004, 13, 783-791.	3.1	127
147	Isolation and Characterization of Adenoviruses Persistently Shed from the Gastrointestinal Tract of Non-Human Primates. PLoS Pathogens, 2009, 5, e1000503.	4.7	126
148	Macaque Model for Severe Acute Respiratory Syndrome. Journal of Virology, 2004, 78, 11401-11404.	3.4	125
149	Long-term Follow-up of Patients with Malignant Pleural Mesothelioma Receiving High-Dose Adenovirus Herpes Simplex Thymidine Kinase/Ganciclovir Suicide Gene Therapy. Clinical Cancer Research, 2005, 11, 7444-7453.	7.0	125
150	Expression of human factor IX in rat capillary endothelial cells: toward somatic gene therapy for hemophilia B.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 8101-8105.	7.1	124
151	Successful adenovirus-mediated gene transfer in an in vivo model of human malignant mesothelioma. Annals of Thoracic Surgery, 1994, 57, 1395-1401.	1.3	124
152	Temporary amelioration of hyperlipidemia in low density lipoprotein receptor-deficient rabbits transplanted with genetically modified hepatocytes.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 8437-8441.	7.1	123
153	The Pleiotropic Effects of Natural AAV Infections on Liver-directed Gene Transfer in Macaques. Molecular Therapy, 2010, 18, 126-134.	8.2	123
154	Fas ligandâ€"a double-edged sword. Nature Biotechnology, 1998, 16, 1011-1012.	17.5	122
155	Effect of Blood Collection Technique in Mice on Clinical Pathology Parameters. Human Gene Therapy, 2002, 13, 155-161.	2.7	121
156	Chimpanzee adenovirus vaccine protects against Zaire Ebola virus. Virology, 2006, 346, 394-401.	2.4	121
157	High Levels of Persistent Expression of Î±1-Antitrypsin Mediated by the Nonhuman Primate Serotype rh.10 Adeno-associated Virus Despite Preexisting Immunity to Common Human Adeno-associated Viruses. Molecular Therapy, 2006, 13, 67-76.	8.2	121
158	Scalable mRNA and siRNA Lipid Nanoparticle Production Using a Parallelized Microfluidic Device. Nano Letters, 2021, 21, 5671-5680.	9.1	120
159	Gene Transfer into the Liver of Nonhuman Primates with E1-Deleted Recombinant Adenoviral Vectors: Safety of Readministration. Human Gene Therapy, 1999, 10, 2515-2526.	2.7	119
160	Efficient Serotype-Dependent Release of Functional Vector into the Culture Medium During Adeno-Associated Virus Manufacturing. Human Gene Therapy, 2010, 21, 1251-1257.	2.7	117
161	Autoimmune anemia in macaques following erythropoietin gene therapy. Blood, 2004, 103, 3303-3304.	1.4	115
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