Robin J Parks

List of Publications by Year
in descending order

62 papers	3,705 citations	201658 27 h-index	128286 60 g-index
65 all docs	65 docs citations	65 times ranked	4252 citing authors

#	Article	IF	Citations
1	The inflammasome recognizes cytosolic microbial and host DNA and triggers an innate immune response. Nature, 2008, 452, 103-107.	27.8	838
2	Genomic DNA transfer with a high-capacity adenovirus vector results in improved in vivo gene expression and decreased toxicity. Nature Genetics, 1998, 18, 180-183.	21.4	641
3	Helper-Dependent Adenovirus Vectors Elicit Intact Innate but Attenuated Adaptive Host Immune Responses In Vivo. Journal of Virology, 2004, 78, 5966-5972.	3.4	192
4	Snapshots: Chromatin control of viral infection. Virology, 2013, 435, 141-156.	2.4	133
5	Separating Fact from Fiction: Assessing the Potential of Modified Adenovirus Vectors for Use in Human Gene Therapy. Current Gene Therapy, 2002, 2, 111-133.	2.0	123
6	Curcumin as an Antiviral Agent. Viruses, 2020, 12, 1242.	3.3	110
7	Development of a FLP/frt System for Generating Helper-Dependent Adenoviral Vectors. Molecular Therapy, 2001, 3, 809-815.	8.2	106
8	Use of adenovirus protein IX (pIX) to display large polypeptides on the virionâ€"generation of fluorescent virus through the incorporation of pIX-GFP. Molecular Therapy, 2004, 9, 617-624.	8.2	99
9	Plasma butyrylcholinesterase regulates ghrelin to control aggression. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2251-2256.	7.1	96
10	mTORC1 activates SREBP-2 by suppressing cholesterol trafficking to lysosomes in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7999-8004.	7.1	90
11	Effects of Stuffer DNA on Transgene Expression from Helper-Dependent Adenovirus Vectors. Journal of Virology, 1999, 73, 8027-8034.	3.4	90
12	Alterations of plasma lipids in mice via adenoviral-mediated hepatic overexpression of human ABCA1. Journal of Lipid Research, 2003, 44, 1470-1480.	4.2	85
13	Adenovirus Protein IX: A New Look at an Old Protein. Molecular Therapy, 2005, 11, 19-25.	8.2	80
14	Chromatin structure of adenovirus DNA throughout infection. Nucleic Acids Research, 2012, 40, 2369-2376.	14.5	72
15	Adenovirus Virion Stability and the Viral Genome: Size Matters. Molecular Therapy, 2009, 17, 1664-1666.	8.2	54
16	Improvements in adenoviral vector technology: overcoming barriers for gene therapy. Clinical Genetics, 2000, 58, 1-11.	2.0	49
17	The Adenovirus Genome Contributes to the Structural Stability of the Virion. Viruses, 2014, 6, 3563-3583.	3.3	47
18	p53 sensitizes chemoresistant non-small cell lung cancer via elevation of reactive oxygen species and suppression of EGFR/PI3K/AKT signaling. Cancer Cell International, 2019, 19, 188.	4.1	45

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19	Retargeting of Adenovirus Vectors through Genetic Fusion of a Single-Chain or Single-Domain Antibody to Capsid Protein IX. Journal of Virology, 2010, 84, 10074-10086.	3.4	40
20	Voluntary Running Triggers VGF-Mediated Oligodendrogenesis to Prolong the Lifespan of Snf2h-Null Ataxic Mice. Cell Reports, 2016, 17, 862-875.	6.4	39
21	Host Cell Detection of Noncoding Stuffer DNA Contained in Helper-Dependent Adenovirus Vectors Leads to Epigenetic Repression of Transgene Expression. Journal of Virology, 2009, 83, 8409-8417.	3.4	37
22	Assembly of Helper-Dependent Adenovirus DNA into Chromatin Promotes Efficient Gene Expression. Journal of Virology, 2011, 85, 3950-3958.	3.4	37
23	p53 Promotes chemoresponsiveness by regulating hexokinase II gene transcription and metabolic reprogramming in epithelial ovarian cancer. Molecular Carcinogenesis, 2019, 58, 2161-2174.	2.7	34
24	Development of a Gene Therapy Strategy for the Restoration of Survival Motor Neuron Protein Expression: Implications for Spinal Muscular Atrophy Therapy. Human Gene Therapy, 2003, 14, 179-188.	2.7	32
25	Activation of Adenoviral Gene Expression by Protein IX Is Not Required for Efficient Virus Replication. Journal of Virology, 2004, 78, 5032-5037.	3.4	32
26	The apolipoprotein C-III (Gln38Lys) variant associated with human hypertriglyceridemia is a gain-of-function mutation. Journal of Lipid Research, 2017, 58, 2188-2196.	4.2	32
27	DNA Genome Size Affects the Stability of the Adenovirus Virion. Journal of Virology, 2009, 83, 2025-2028.	3.4	31
28	Temporal activation of XRCC1-mediated DNA repair is essential for muscle differentiation. Cell Discovery, 2016, 2, 15041.	6.7	31
29	Cancer therapy utilizing an adenoviral vector expressing only E1A. Cancer Gene Therapy, 2002, 9, 321-329.	4.6	27
30	Construction and Characterization of Adenovirus Vectors. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5011.	0.3	27
31	Human adenovirus type 5 vectors deleted of early region 1 (E1) undergo limited expression of early replicative E2 proteins and DNA replication in non-permissive cells. PLoS ONE, 2017, 12, e0181012.	2.5	26
32	Helper-Dependent Adenoviral Vectors Containing Modified Fiber for Improved Transduction of Developing and Mature Muscle Cells. Human Gene Therapy, 2004, 15, 179-188.	2.7	23
33	Use of a murine secreted alkaline phosphatase as a non-immunogenic reporter gene in mice. Journal of Gene Medicine, 2005, 7, 307-315.	2.8	23
34	Delivery of Therapeutic Agents to the Central Nervous System and the Promise of Extracellular Vesicles. Pharmaceutics, 2021, 13, 492.	4.5	23
35	Physiologic and metabolic safety of butyrylcholinesterase gene therapy in mice. Vaccine, 2014, 32, 4155-4162.	3.8	21
36	Histone Deacetylase Inhibitor Suberoylanilide Hydroxamic Acid Suppresses Human Adenovirus Gene Expression and Replication. Journal of Virology, 2019, 93, .	3.4	21

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37	Long-Term Reduction of Cocaine Self-Administration in Rats Treated with Adenoviral Vector-Delivered Cocaine Hydrolase: Evidence for Enzymatic Activity. Neuropsychopharmacology, 2014, 39, 1538-1546.	5.4	20
38	Recent Advances in Novel Antiviral Therapies against Human Adenovirus. Microorganisms, 2020, 8, 1284.	3.6	16
39	The Role of Chromatin in Adenoviral Vector Function. Viruses, 2013, 5, 1500-1515.	3.3	15
40	Survival Motor Neuron Protein is Released from Cells in Exosomes: A Potential Biomarker for Spinal Muscular Atrophy. Scientific Reports, 2017, 7, 13859.	3.3	13
41	An Oncolytic Adenovirus Vector Expressing p14 FAST Protein Induces Widespread Syncytium Formation and Reduces Tumor Growth Rate InÂVivo. Molecular Therapy - Oncolytics, 2019, 14, 107-120.	4.4	13
42	Opening the window: The case for carrier and perinatal screening for spinal muscular atrophy. Neuromuscular Disorders, 2016, 26, 551-559.	0.6	12
43	Development of a novel screening platform for the identification of small molecule inhibitors of human adenovirus. Virology, 2019, 538, 24-34.	2.4	11
44	Antiviral Effects of Curcumin on Adenovirus Replication. Microorganisms, 2020, 8, 1524.	3.6	11
45	Human adenoviral DNA association with nucleosomes containing histone variant H3.3 during the early phase of infection is not dependent on viral transcription or replication. Biochemistry and Cell Biology, 2018, 96, 797-807.	2.0	10
46	Adenoviral vectors: prospects for gene delivery to the central nervous system. Gene Therapy, 1999, 6, 1349-1350.	4.5	9
47	Use of Cre/loxP recombination to swap cell binding motifs on the adenoviral capsid protein IX. Virology, 2011, 420, 146-155.	2.4	9
48	Rational Design of Murine Secreted Alkaline Phosphatase for Enhanced Performance as a Reporter Gene in Mouse Gene Therapy Preclinical Studies. Human Gene Therapy, 2011, 22, 499-506.	2.7	8
49	Adenoviral Vectors Armed with Cell Fusion-Inducing Proteins as Anti-Cancer Agents. Viruses, 2017, 9, 13.	3.3	8
50	Identification of human adenovirus replication inhibitors from a library of small molecules targeting cellular epigenetic regulators. Virology, 2021, 555, 102-110.	2.4	8
51	Long-Term Blockade of Cocaine Self-Administration and Locomotor Activation in Rats by an Adenoviral Vector-Delivered Cocaine Hydrolase. Journal of Pharmacology and Experimental Therapeutics, 2016, 357, 375-381.	2.5	7
52	PKCÎ±-mediated phosphorylation of the diacylglycerol kinase Î¶ MARCKS domain switches cell migration modes by regulating interactions with Rac1 and RhoA. Journal of Biological Chemistry, 2021, 296, 100516.	3.4	7
53	Adenovirus-Mediated Expression of the p14 Fusion-Associated Small Transmembrane Protein Promotes Cancer Cell Fusion and Apoptosis In Vitro but Does Not Provide Therapeutic Efficacy in a Xenograft Mouse Model of Cancer. PLoS ONE, 2016, 11, e0151516.	2.5	7
54	Supraphysiological expression of survival motor neuron protein from an adenovirus vector does not adversely affect cell function. Biochemistry and Cell Biology, 2013, 91, 252-264.	2.0	6

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55	Building immune tolerance through DNA vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9652-9654.	7.1	5
56	Fusion of Large Polypeptides to Human Adenovirus Type 5 Capsid Protein IX Can Compromise Virion Stability and DNA Packaging Capacity. Journal of Virology, 2020, 94, .	3.4	5
57	Use of cell fusion proteins to enhance adenoviral vector efficacy as an anti-cancer therapeutic. Cancer Gene Therapy, 2021, 28, 745-756.	4.6	5
58	Oncolytic Adenovirus: Getting There Is Half the Battle. Molecular Therapy, 2003, 8, 705-706.	8.2	4
59	A reduction in the human adenovirus virion size through use of a shortened fibre protein does not enhance muscle transduction following systemic or localised delivery in mice. Virology, 2014, 468-470, 444-453.	2.4	3
60	Labelâ€free quantitative proteomic analysis of extracellular vesicles released from fibroblasts derived from patients with spinal muscular atrophy. Proteomics, 2021, 21, 2000301.	2.2	2
61	Oncolytic Rhabdovirus Vaccine Boosts Chimeric Anti-DEC205 Priming for Effective Cancer Immunotherapy. Molecular Therapy - Oncolytics, 2020, 19, 240-252.	4.4	1
62	The genome position of a therapeutic transgene strongly influences the level of expression in an armed oncolytic human adenovirus vector. Virology, 2021, 561, 87-97.	2.4	1