

# Robin J Parks

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

3,705  
citations

201575

27  
h-index

128225

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. <i>Nature</i> , 2008, 452, 103-107.	13.7	838
2	Genomic DNA transfer with a high-capacity adenovirus vector results in improved in vivo gene expression and decreased toxicity. <i>Nature Genetics</i> , 1998, 18, 180-183.	9.4	641
3	Helper-Dependent Adenovirus Vectors Elicit Intact Innate but Attenuated Adaptive Host Immune Responses In Vivo. <i>Journal of Virology</i> , 2004, 78, 5966-5972.	1.5	192
4	Snapshots: Chromatin control of viral infection. <i>Virology</i> , 2013, 435, 141-156.	1.1	133
5	Separating Fact from Fiction: Assessing the Potential of Modified Adenovirus Vectors for Use in Human Gene Therapy. <i>Current Gene Therapy</i> , 2002, 2, 111-133.	0.9	123
6	Curcumin as an Antiviral Agent. <i>Viruses</i> , 2020, 12, 1242.	1.5	110
7	Development of a FLP/rt System for Generating Helper-Dependent Adenoviral Vectors. <i>Molecular Therapy</i> , 2001, 3, 809-815.	3.7	106
8	Use of adenovirus protein IX (pIX) to display large polypeptides on the virion—generation of fluorescent virus through the incorporation of pIX-GFP. <i>Molecular Therapy</i> , 2004, 9, 617-624.	3.7	99
9	Plasma butyrylcholinesterase regulates ghrelin to control aggression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2251-2256.	3.3	96
10	mTORC1 activates SREBP-2 by suppressing cholesterol trafficking to lysosomes in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7999-8004.	3.3	90
11	Effects of Stuffer DNA on Transgene Expression from Helper-Dependent Adenovirus Vectors. <i>Journal of Virology</i> , 1999, 73, 8027-8034.	1.5	90
12	Alterations of plasma lipids in mice via adenoviral-mediated hepatic overexpression of human ABCA1. <i>Journal of Lipid Research</i> , 2003, 44, 1470-1480.	2.0	85
13	Adenovirus Protein IX: A New Look at an Old Protein. <i>Molecular Therapy</i> , 2005, 11, 19-25.	3.7	80
14	Chromatin structure of adenovirus DNA throughout infection. <i>Nucleic Acids Research</i> , 2012, 40, 2369-2376.	6.5	72
15	Adenovirus Virion Stability and the Viral Genome: Size Matters. <i>Molecular Therapy</i> , 2009, 17, 1664-1666.	3.7	54
16	Improvements in adenoviral vector technology: overcoming barriers for gene therapy. <i>Clinical Genetics</i> , 2000, 58, 1-11.	1.0	49
17	The Adenovirus Genome Contributes to the Structural Stability of the Virion. <i>Viruses</i> , 2014, 6, 3563-3583.	1.5	47
18	p53 sensitizes chemoresistant non-small cell lung cancer via elevation of reactive oxygen species and suppression of EGFR/PI3K/AKT signaling. <i>Cancer Cell International</i> , 2019, 19, 188.	1.8	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. <i>Journal of Virology</i> , 2010, 84, 10074-10086.	1.5	40
20	Voluntary Running Triggers VGF-Mediated Oligodendrogenesis to Prolong the Lifespan of Snf2h-Null Ataxic Mice. <i>Cell Reports</i> , 2016, 17, 862-875.	2.9	39
21	Host Cell Detection of Noncoding Stuffer DNA Contained in Helper-Dependent Adenovirus Vectors Leads to Epigenetic Repression of Transgene Expression. <i>Journal of Virology</i> , 2009, 83, 8409-8417.	1.5	37
22	Assembly of Helper-Dependent Adenovirus DNA into Chromatin Promotes Efficient Gene Expression. <i>Journal of Virology</i> , 2011, 85, 3950-3958.	1.5	37
23	p53 Promotes chemoresponsiveness by regulating hexokinase II gene transcription and metabolic reprogramming in epithelial ovarian cancer. <i>Molecular Carcinogenesis</i> , 2019, 58, 2161-2174.	1.3	34
24	Development of a Gene Therapy Strategy for the Restoration of Survival Motor Neuron Protein Expression: Implications for Spinal Muscular Atrophy Therapy. <i>Human Gene Therapy</i> , 2003, 14, 179-188.	1.4	32
25	Activation of Adenoviral Gene Expression by Protein IX Is Not Required for Efficient Virus Replication. <i>Journal of Virology</i> , 2004, 78, 5032-5037.	1.5	32
26	The apolipoprotein C-III (Gln38Lys) variant associated with human hypertriglyceridemia is a gain-of-function mutation. <i>Journal of Lipid Research</i> , 2017, 58, 2188-2196.	2.0	32
27	DNA Genome Size Affects the Stability of the Adenovirus Virion. <i>Journal of Virology</i> , 2009, 83, 2025-2028.	1.5	31
28	Temporal activation of XRCC1-mediated DNA repair is essential for muscle differentiation. <i>Cell Discovery</i> , 2016, 2, 15041.	3.1	31
29	Cancer therapy utilizing an adenoviral vector expressing only E1A. <i>Cancer Gene Therapy</i> , 2002, 9, 321-329.	2.2	27
30	Construction and Characterization of Adenovirus Vectors. <i>Cold Spring Harbor Protocols</i> , 2009, 2009, pdb.prot5011.	0.2	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. <i>PLoS ONE</i> , 2017, 12, e0181012.	1.1	26
32	Helper-Dependent Adenoviral Vectors Containing Modified Fiber for Improved Transduction of Developing and Mature Muscle Cells. <i>Human Gene Therapy</i> , 2004, 15, 179-188.	1.4	23
33	Use of a murine secreted alkaline phosphatase as a non-immunogenic reporter gene in mice. <i>Journal of Gene Medicine</i> , 2005, 7, 307-315.	1.4	23
34	Delivery of Therapeutic Agents to the Central Nervous System and the Promise of Extracellular Vesicles. <i>Pharmaceutics</i> , 2021, 13, 492.	2.0	23
35	Physiologic and metabolic safety of butyrylcholinesterase gene therapy in mice. <i>Vaccine</i> , 2014, 32, 4155-4162.	1.7	21
36	Histone Deacetylase Inhibitor Suberoylanilide Hydroxamic Acid Suppresses Human Adenovirus Gene Expression and Replication. <i>Journal of Virology</i> , 2019, 93, .	1.5	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. <i>Neuropsychopharmacology</i> , 2014, 39, 1538-1546.	2.8	20
38	Recent Advances in Novel Antiviral Therapies against Human Adenovirus. <i>Microorganisms</i> , 2020, 8, 1284.	1.6	16
39	The Role of Chromatin in Adenoviral Vector Function. <i>Viruses</i> , 2013, 5, 1500-1515.	1.5	15
40	Survival Motor Neuron Protein is Released from Cells in Exosomes: A Potential Biomarker for Spinal Muscular Atrophy. <i>Scientific Reports</i> , 2017, 7, 13859.	1.6	13
41	An Oncolytic Adenovirus Vector Expressing p14 FAST Protein Induces Widespread Syncytium Formation and Reduces Tumor Growth Rate In Vivo. <i>Molecular Therapy - Oncolytics</i> , 2019, 14, 107-120.	2.0	13
42	Opening the window: The case for carrier and perinatal screening for spinal muscular atrophy. <i>Neuromuscular Disorders</i> , 2016, 26, 551-559.	0.3	12
43	Development of a novel screening platform for the identification of small molecule inhibitors of human adenovirus. <i>Virology</i> , 2019, 538, 24-34.	1.1	11
44	Antiviral Effects of Curcumin on Adenovirus Replication. <i>Microorganisms</i> , 2020, 8, 1524.	1.6	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. <i>Biochemistry and Cell Biology</i> , 2018, 96, 797-807.	0.9	10
46	Adenoviral vectors: prospects for gene delivery to the central nervous system. <i>Gene Therapy</i> , 1999, 6, 1349-1350.	2.3	9
47	Use of Cre/loxP recombination to swap cell binding motifs on the adenoviral capsid protein IX. <i>Virology</i> , 2011, 420, 146-155.	1.1	9
48	Rational Design of Murine Secreted Alkaline Phosphatase for Enhanced Performance as a Reporter Gene in Mouse Gene Therapy Preclinical Studies. <i>Human Gene Therapy</i> , 2011, 22, 499-506.	1.4	8
49	Adenoviral Vectors Armed with Cell Fusion-Inducing Proteins as Anti-Cancer Agents. <i>Viruses</i> , 2017, 9, 13.	1.5	8
50	Identification of human adenovirus replication inhibitors from a library of small molecules targeting cellular epigenetic regulators. <i>Virology</i> , 2021, 555, 102-110.	1.1	8
51	Long-Term Blockade of Cocaine Self-Administration and Locomotor Activation in Rats by an Adenoviral Vector-Delivered Cocaine Hydrolase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 357, 375-381.	1.3	7
52	PKC $\zeta$ -mediated phosphorylation of the diacylglycerol kinase $\beta$ MARCKS domain switches cell migration modes by regulating interactions with Rac1 and RhoA. <i>Journal of Biological Chemistry</i> , 2021, 296, 100516.	1.6	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. <i>PLoS ONE</i> , 2016, 11, e0151516.	1.1	7
54	Supraphysiological expression of survival motor neuron protein from an adenovirus vector does not adversely affect cell function. <i>Biochemistry and Cell Biology</i> , 2013, 91, 252-264.	0.9	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.	3.3	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, .	1.5	5
57	Use of cell fusion proteins to enhance adenoviral vector efficacy as an anti-cancer therapeutic. Cancer Gene Therapy, 2021, 28, 745-756.	2.2	5
58	Oncolytic Adenovirus: Getting There Is Half the Battle. Molecular Therapy, 2003, 8, 705-706.	3.7	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.	1.1	3
60	Label-free quantitative proteomic analysis of extracellular vesicles released from fibroblasts derived from patients with spinal muscular atrophy. Proteomics, 2021, 21, 2000301.	1.3	2
61	Oncolytic Rhabdovirus Vaccine Boosts Chimeric Anti-DEC205 Priming for Effective Cancer Immunotherapy. Molecular Therapy - Oncolytics, 2020, 19, 240-252.	2.0	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.	1.1	1