

Michael A Barry

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

5,254
citations

35
h-index

71
g-index

109
ext. papers

5,822
ext. citations

7.6
avg, IF

5.6
L-index

#	Paper	IF	Citations
100	Activation of programmed cell death (apoptosis) by cisplatin, other anticancer drugs, toxins and hyperthermia. <i>Biochemical Pharmacology</i> , 1990 , 40, 2353-62	6	770
99	Toward cell-targeting gene therapy vectors: selection of cell-binding peptides from random peptide-presenting phage libraries. <i>Nature Medicine</i> , 1996 , 2, 299-305	50.5	322
98	Reprogrammed viruses as cancer therapeutics: targeted, armed and shielded. <i>Nature Reviews Microbiology</i> , 2008 , 6, 529-40	22.2	297
97	Protection against mycoplasma infection using expression-library immunization. <i>Nature</i> , 1995 , 377, 632-5	50.4	268
96	Poly(ethylenimine)-mediated transfection: a new paradigm for gene delivery. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 51, 321-8		256
95	Evaluation of polyethylene glycol modification of first-generation and helper-dependent adenoviral vectors to reduce innate immune responses. <i>Molecular Therapy</i> , 2005 , 11, 66-79	11.7	210
94	Lentiviral vectors: basic to translational. <i>Biochemical Journal</i> , 2012 , 443, 603-18	3.8	207
93	Comparison of visible and near-infrared wavelength-excitable fluorescent dyes for molecular imaging of cancer. <i>Journal of Biomedical Optics</i> , 2007 , 12, 024017	3.5	177
92	Current advances and future challenges in Adenoviral vector biology and targeting. <i>Current Gene Therapy</i> , 2007 , 7, 189-204	4.3	160
91	Semaphorin III can repulse and inhibit adult sensory afferents in vivo. <i>Nature Medicine</i> , 1997 , 3, 1398-401	50.5	124
90	Advances and future challenges in adenoviral vector pharmacology and targeting. <i>Current Gene Therapy</i> , 2011 , 11, 241-58	4.3	120
89	Metabolically biotinylated adenovirus for cell targeting, ligand screening, and vector purification. <i>Molecular Therapy</i> , 2003 , 8, 688-700	11.7	95
88	Chemical modification with high molecular weight polyethylene glycol reduces transduction of hepatocytes and increases efficacy of intravenously delivered oncolytic adenovirus. <i>Human Gene Therapy</i> , 2009 , 20, 975-88	4.8	87
87	Modification of adenoviral vectors with polyethylene glycol modulates in vivo tissue tropism and gene expression. <i>Molecular Therapy</i> , 2008 , 16, 1276-82	11.7	87
86	Avidin-based targeting and purification of a protein IX-modified, metabolically biotinylated adenoviral vector. <i>Molecular Therapy</i> , 2004 , 9, 942-54	11.7	81
85	Macrophage depletion combined with anticoagulant therapy increases therapeutic window of systemic treatment with oncolytic adenovirus. <i>Cancer Research</i> , 2008 , 68, 5896-904	10.1	78
84	A chimeric adenovirus vector encoding reovirus attachment protein sigma1 targets cells expressing junctional adhesion molecule 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 6188-93	11.5	75

83	Adenovirus activates complement by distinctly different mechanisms in vitro and in vivo: indirect complement activation by virions in vivo. <i>Journal of Virology</i> , 2009 , 83, 5648-58	6.6	68
82	Metabolic biotinylation of secreted and cell surface proteins from mammalian cells. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 281, 993-1000	3.4	65
81	Polyethylene glycol modification of adenovirus reduces platelet activation, endothelial cell activation, and thrombocytopenia. <i>Human Gene Therapy</i> , 2007 , 18, 837-48	4.8	64
80	Generation of a Kupffer cell-evading adenovirus for systemic and liver-directed gene transfer. <i>Molecular Therapy</i> , 2011 , 19, 1254-62	11.7	60
79	Comparison of adenovirus fiber, protein IX, and hexon capsomeres as scaffolds for vector purification and cell targeting. <i>Virology</i> , 2006 , 349, 453-62	3.6	60
78	Identification of adenovirus serotype 5 hexon regions that interact with scavenger receptors. <i>Journal of Virology</i> , 2012 , 86, 2293-301	6.6	57
77	Comparison of replication-competent, first generation, and helper-dependent adenoviral vaccines. <i>PLoS ONE</i> , 2009 , 4, e5059	3.7	57
76	An optimized method for the chemiluminescent detection of alkaline phosphatase levels during osteodifferentiation by bone morphogenetic protein 2. <i>Journal of Cellular Biochemistry</i> , 2001 , 80, 532-7	4.7	53
75	Metabolic biotinylation of recombinant proteins in mammalian cells and in mice. <i>Molecular Therapy</i> , 2000 , 1, 96-104	11.7	53
74	Characterization of human adenovirus serotypes 5, 6, 11, and 35 as anticancer agents. <i>Virology</i> , 2009 , 394, 311-20	3.6	50
73	Oral immunization of rhesus macaques with adenoviral HIV vaccines using enteric-coated capsules. <i>Vaccine</i> , 2007 , 25, 8687-701	4.1	50
72	Cryo-EM structure of human adenovirus D26 reveals the conservation of structural organization among human adenoviruses. <i>Science Advances</i> , 2017 , 3, e1602670	14.3	48
71	Effects of shielding adenoviral vectors with polyethylene glycol on vector-specific and vaccine-mediated immune responses. <i>Human Gene Therapy</i> , 2008 , 19, 1369-82	4.8	45
70	IRE1A Stimulates Hepatocyte-Derived Extracellular Vesicles That Promote Inflammation in Mice With Steatohepatitis. <i>Gastroenterology</i> , 2020 , 159, 1487-1503.e17	13.3	44
69	Protection against divergent influenza H1N1 virus by a centralized influenza hemagglutinin. <i>PLoS ONE</i> , 2011 , 6, e18314	3.7	44
68	Circulating antibodies and macrophages as modulators of adenovirus pharmacology. <i>Journal of Virology</i> , 2013 , 87, 3678-86	6.6	42
67	Infection and killing of multiple myeloma by adenoviruses. <i>Human Gene Therapy</i> , 2010 , 21, 179-90	4.8	38
66	Low seroprevalent species D adenovirus vectors as influenza vaccines. <i>PLoS ONE</i> , 2013 , 8, e73313	3.7	36

65	Generation of a hypomorphic model of propionic acidemia amenable to gene therapy testing. <i>Molecular Therapy</i> , 2013 , 21, 1316-23	11.7	34
64	Expanded anticancer therapeutic window of hexon-modified oncolytic adenovirus. <i>Molecular Therapy</i> , 2009 , 17, 2121-30	11.7	33
63	Adeno-associated virus serotype 8 gene transfer rescues a neonatal lethal murine model of propionic acidemia. <i>Human Gene Therapy</i> , 2011 , 22, 477-81	4.8	31
62	Species D adenoviruses as oncolytics against B-cell cancers. <i>Clinical Cancer Research</i> , 2011 , 17, 6712-22	12.9	31
61	Rapid construction of capsid-modified adenoviral vectors through bacteriophage lambda Red recombination. <i>Human Gene Therapy</i> , 2004 , 15, 1125-30	4.8	31
60	Replicating Single-Cycle Adenovirus Vectors Generate Amplified Influenza Vaccine Responses. <i>Journal of Virology</i> , 2017 , 91,	6.6	30
59	Cryoelectron microscopy of protein IX-modified adenoviruses suggests a new position for the C terminus of protein IX. <i>Journal of Virology</i> , 2006 , 80, 11881-6	6.6	30
58	Expression library immunization to discover and improve vaccine antigens. <i>Immunological Reviews</i> , 2004 , 199, 68-83	11.3	29
57	Amplified and persistent immune responses generated by single-cycle replicating adenovirus vaccines. <i>Journal of Virology</i> , 2015 , 89, 669-75	6.6	28
56	Development and characterization of enhanced green fluorescent protein and luciferase expressing cell line for non-destructive evaluation of tissue engineering constructs. <i>Biomaterials</i> , 2004 , 25, 5809-19	15.6	28
55	Illa deleted adenovirus as a single-cycle genome replicating vector. <i>Virology</i> , 2014 , 462-463, 158-65	3.6	25
54	Characterization of species C human adenovirus serotype 6 (Ad6). <i>Virology</i> , 2011 , 412, 19-27	3.6	25
53	Short-term rescue of neonatal lethality in a mouse model of propionic acidemia by gene therapy. <i>Human Gene Therapy</i> , 2009 , 20, 169-80	4.8	25
52	Selection of muscle-binding peptides from context-specific peptide-presenting phage libraries for adenoviral vector targeting. <i>Journal of Virology</i> , 2005 , 79, 13667-72	6.6	25
51	Infectious SIV resides in adipose tissue and induces metabolic defects in chronically infected rhesus macaques. <i>Retrovirology</i> , 2016 , 13, 30	3.6	24
50	Precision gene editing technology and applications in nephrology. <i>Nature Reviews Nephrology</i> , 2018 , 14, 663-677	14.9	24
49	Protection against Mucosal SHIV Challenge by Peptide and Helper-Dependent Adenovirus Vaccines. <i>Viruses</i> , 2009 , 1, 920	6.2	24
48	Long-term sex-biased correction of circulating propionic acidemia disease markers by adeno-associated virus vectors. <i>Human Gene Therapy</i> , 2015 , 26, 153-60	4.8	23

47	Targeting adenoviruses with factor x-single-chain antibody fusion proteins. <i>Human Gene Therapy</i> , 2010 , 21, 739-49	4.8	21
46	Natural killer T cell and TLR9 agonists as mucosal adjuvants for sublingual vaccination with clade C HIV-1 envelope protein. <i>Vaccine</i> , 2014 , 32, 6934-6940	4.1	19
45	Increased transduction of skeletal muscle cells by fibroblast growth factor-modified adenoviral vectors. <i>Human Gene Therapy</i> , 2006 , 17, 314-20	4.8	19
44	Biotinylated gene therapy vectors. <i>Expert Opinion on Biological Therapy</i> , 2003 , 3, 925-40	5.4	19
43	Selection of chronic lymphocytic leukemia binding peptides. <i>Cancer Research</i> , 2003 , 63, 5213-7	10.1	19
42	Comparison of Gene Delivery to the Kidney by Adenovirus, Adeno-Associated Virus, and Lentiviral Vectors After Intravenous and Direct Kidney Injections. <i>Human Gene Therapy</i> , 2019 , 30, 1559-1571	4.8	18
41	Comparison of systemic and mucosal immunization with helper-dependent adenoviruses for vaccination against mucosal challenge with SHIV. <i>PLoS ONE</i> , 2013 , 8, e67574	3.7	18
40	Treatment of osteoarthritis using a helper-dependent adenoviral vector retargeted to chondrocytes. <i>Molecular Therapy - Methods and Clinical Development</i> , 2016 , 3, 16008	6.4	17
39	Real-time dynamic imaging of virus distribution in vivo. <i>PLoS ONE</i> , 2011 , 6, e17076	3.7	17
38	Single-cycle adenovirus vectors in the current vaccine landscape. <i>Expert Review of Vaccines</i> , 2018 , 17, 163-173	5.2	16
37	Retargeting adenoviruses for therapeutic applications and vaccines. <i>FEBS Letters</i> , 2020 , 594, 1918-1946	3.8	15
36	Dysregulated miRNAs and their pathogenic implications for the neurometabolic disease propionic acidemia. <i>Scientific Reports</i> , 2017 , 7, 5727	4.9	14
35	Systemic delivery of therapeutic viruses. <i>Current Opinion in Molecular Therapeutics</i> , 2009 , 11, 411-20		14
34	Enhancement of Mucosal Immunogenicity of Viral Vectored Vaccines by the NKT Cell Agonist Alpha-Galactosylceramide as Adjuvant. <i>Vaccines</i> , 2014 , 2, 686-706	5.3	13
33	Transgene Expression and Host Cell Responses to Replication-Defective, Single-Cycle, and Replication-Competent Adenovirus Vectors. <i>Genes</i> , 2017 , 8,	4.2	11
32	CD46-mediated transduction of a species D adenovirus vaccine improves mucosal vaccine efficacy. <i>Human Gene Therapy</i> , 2014 , 25, 364-74	4.8	11
31	Evaluation of polymer shielding for adenovirus serotype 6 (Ad6) for systemic virotherapy against human prostate cancers. <i>Molecular Therapy - Oncolytics</i> , 2016 , 3,	6.4	11
30	Structure-based assessment of protein-protein interactions and accessibility of protein IX in adenoviruses with implications for antigen display. <i>Virology</i> , 2018 , 516, 102-107	3.6	10

29	Effects of adeno-associated virus serotype and tissue-specific expression on circulating biomarkers of propionic acidemia. <i>Human Gene Therapy</i> , 2014 , 25, 837-43	4.8	9
28	A vector-host system to fingerprint virus tropism. <i>Human Gene Therapy</i> , 2012 , 23, 1116-26	4.8	9
27	Comparison of adenoviruses as oncolytics and cancer vaccines in an immunocompetent B cell lymphoma model. <i>Human Gene Therapy</i> , 2011 , 22, 1095-100	4.8	8
26	Mining the adenovirus "virome" for systemic oncolytics. <i>Current Pharmaceutical Biotechnology</i> , 2012 , 13, 1804-8	2.6	8
25	Divergent HIV-1-Directed Immune Responses Generated by Systemic and Mucosal Immunization with Replicating Single-Cycle Adenoviruses in Rhesus Macaques. <i>Journal of Virology</i> , 2019 , 93,	6.6	7
24	Retargeted and detargeted adenovirus for gene delivery to the muscle. <i>Virology</i> , 2018 , 514, 118-123	3.6	7
23	Mucosal vaccination by adenoviruses displaying reovirus sigma 1. <i>Virology</i> , 2015 , 482, 60-6	3.6	6
22	A Replicating Single-Cycle Adenovirus Vaccine Against Ebola Virus. <i>Journal of Infectious Diseases</i> , 2018 , 218, 1883-1889	7	6
21	Imaging luciferase-expressing viruses. <i>Methods in Molecular Biology</i> , 2012 , 797, 79-87	1.4	6
20	Comparison of the Life Cycles of Genetically Distant Species C and Species D Human Adenoviruses Ad6 and Ad26 in Human Cells. <i>Journal of Virology</i> , 2015 , 89, 12401-17	6.6	5
19	Comparison of systemic and mucosal immunization with replicating Single cycle Adenoviruses 2018 , 3,		5
18	Structural Organization and Protein-Protein Interactions in Human Adenovirus Capsid. <i>Sub-Cellular Biochemistry</i> , 2021 , 96, 503-518	5.5	5
17	Oncolytic adenovirus Ad657 for systemic virotherapy against prostate cancer. <i>Oncolytic Virotherapy</i> , 2018 , 7, 43-51	6	5
16	Poly(ethylenimine)-mediated transfection: A new paradigm for gene delivery 2000 , 51, 321		5
15	Comparison of Liver Detargeting Strategies for Systemic Therapy with Oncolytic Adenovirus Serotype 5. <i>Biomedicines</i> , 2017 , 5,	4.8	4
14	Breaking tolerance with engineered class I antigen-presenting molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3136-3145	11.5	3
13	Genetic Adjuvants in Replicating Single-Cycle Adenovirus Vectors Amplify Systemic and Mucosal Immune Responses against HIV-1 Envelope. <i>Vaccines</i> , 2020 , 8,	5.3	3
12	Improving Molecular Therapy in the Kidney. <i>Molecular Diagnosis and Therapy</i> , 2020 , 24, 375-396	4.5	3

11	Suppression-Replacement Gene Therapy for Type 1 Long QT Syndrome. <i>Circulation</i> , 2021 , 143, 1411-1425	6.7	3
10	Minimally invasive monitoring of CD4 T cells at multiple mucosal tissues after intranasal vaccination in rhesus macaques. <i>PLoS ONE</i> , 2017 , 12, e0188807	3.7	2
9	Selection of Peptides on Phage 2003 , 547-579		2
8	and CD46 Receptor Utilization by Species D Human Adenovirus Serotype 26 (HAdV26). <i>Journal of Virology</i> , 2021 , JVI0082621	6.6	2
7	Metabolic perturbations mediated by propionyl-CoA accumulation in organs of mouse model of propionic acidemia. <i>Molecular Genetics and Metabolism</i> , 2021 , 134, 257-266	3.7	2
6	Short-term Rescue of Neonatal Lethality in a Mouse Model of Propionic Acidemia by Gene Therapy. <i>Human Gene Therapy</i> , 2008 , 081125110719005	4.8	2
5	An optimized method for the chemiluminescent detection of alkaline phosphatase levels during osteodifferentiation by bone morphogenetic protein 2 2001 , 80, 532		2
4	A Novel Codon-optimized SIV Gag-pol Immunogen for Gene-based Vaccination. <i>Virology Reports</i> , 2015 , 5, 47-55		1
3	Mucoadhesive wafers composed of binary polymer blends for sublingual delivery and preservation of protein vaccines. <i>Journal of Controlled Release</i> , 2021 , 330, 427-437	11.7	1
2	Recent advances towards gene therapy for propionic acidemia: translation to the clinic. <i>Expert Review of Precision Medicine and Drug Development</i> , 2019 , 4, 229-237	1.6	
1	Adenoviral Vector Targeting via Mitigation of Liver Sequestration 2016 , 293-317		