

Ziying Yan

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

90
papers

4,473
citations

37
h-index

66
g-index

94
ext. papers

4,962
ext. citations

7.8
avg. IF

5.03
L-index

#	Paper	IF	Citations
90	The small nonstructural protein NP1 of human bocavirus 1 directly interacts with Ku70 and RPA70 and facilitates viral DNA replication. <i>PLoS Pathogens</i> , 2022 , 18, e1010578	7.6	1
89	The SARS-CoV-2 Transcriptome and the Dynamics of the S Gene Furin Cleavage Site in Primary Human Airway Epithelia. <i>MBio</i> , 2021 , 12,	7.8	3
88	Hairpin Transfer-Independent Parvovirus DNA Replication Produces Infectious Virus. <i>Journal of Virology</i> , 2021 , 95, e0110821	6.6	2
87	Viral Vectors, Animal Models, and Cellular Targets for Gene Therapy of Cystic Fibrosis Lung Disease. <i>Human Gene Therapy</i> , 2020 , 31, 524-537	4.8	11
86	Establishment of a Recombinant AAV2/HBoV1 Vector Production System in Insect Cells. <i>Genes</i> , 2020 , 11,	4.2	3
85	Long Period Modeling SARS-CoV-2 Infection of in Vitro Cultured Polarized Human Airway Epithelium 2020 ,		1
84	Cellular Cleavage and Polyadenylation Specificity Factor 6 (CPSF6) Mediates Nuclear Import of Human Bocavirus 1 NP1 Protein and Modulates Viral Capsid Protein Expression. <i>Journal of Virology</i> , 2020 , 94,	6.6	8
83	Detargeting Lentiviral-Mediated CFTR Expression in Airway Basal Cells Using miR-106b. <i>Genes</i> , 2020 , 11,	4.2	1
82	Repeat Dosing of AAV2.5T to Ferret Lungs Elicits an Antibody Response That Diminishes Transduction in an Age-Dependent Manner. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020 , 19, 186-200	6.4	2
81	Long-Term Modeling of SARS-CoV-2 Infection of Cultured Polarized Human Airway Epithelium. <i>MBio</i> , 2020 , 11,	7.8	38
80	Human Bocavirus 1 Infection of Well-Differentiated Human Airway Epithelium. <i>Current Protocols in Microbiology</i> , 2020 , 58, e107	7.1	6
79	A Comprehensive RNA-seq Analysis of Human Bocavirus 1 Transcripts in Infected Human Airway Epithelium. <i>Viruses</i> , 2019 , 11,	6.2	4
78	In utero and postnatal VX-770 administration rescues multiorgan disease in a ferret model of cystic fibrosis. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	58
77	Novel Chimeric Gene Therapy Vectors Based on Adeno-Associated Virus and Four Different Mammalian Bocaviruses. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019 , 12, 202-222	6.4	33
76	Highly Efficient Transgenesis in Ferrets Using CRISPR/Cas9-Mediated Homology-Independent Insertion at the ROSA26 Locus. <i>Scientific Reports</i> , 2019 , 9, 1971	4.9	10
75	Advances in gene therapy for cystic fibrosis lung disease. <i>Human Molecular Genetics</i> , 2019 , 28, R88-R94	5.6	33
74	Establishment of a High-Yield Recombinant Adeno-Associated Virus/Human Bocavirus Vector Production System Independent of Bocavirus Nonstructural Proteins. <i>Human Gene Therapy</i> , 2019 , 30, 556-570	4.8	12

73	Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size. <i>Nature</i> , 2018 , 556, 370-375	50.4	77
72	Development of a Novel Recombinant Adeno-Associated Virus Production System Using Human Bocavirus 1 Helper Genes. <i>Molecular Therapy - Methods and Clinical Development</i> , 2018 , 11, 40-51	6.4	11
71	Parvovirus Expresses a Small Noncoding RNA That Plays an Essential Role in Virus Replication. <i>Journal of Virology</i> , 2017 , 91,	6.6	15
70	Human Bocavirus Type-1 Capsid Facilitates the Transduction of Ferret Airways by Adeno-Associated Virus Genomes. <i>Human Gene Therapy</i> , 2017 , 28, 612-625	4.8	25
69	Human Parvovirus Infection of Human Airway Epithelia Induces Pyroptotic Cell Death by Inhibiting Apoptosis. <i>Journal of Virology</i> , 2017 , 91,	6.6	23
68	A Preclinical Study in Rhesus Macaques for Cystic Fibrosis to Assess Gene Transfer and Transduction by AAV1 and AAV5 with a Dual-Luciferase Reporter System. <i>Human Gene Therapy Clinical Development</i> , 2017 , 28, 145-156	3.2	13
67	Adeno-associated Virus (AAV) Serotypes Have Distinctive Interactions with Domains of the Cellular AAV Receptor. <i>Journal of Virology</i> , 2017 , 91,	6.6	77
66	Human Bocavirus 1 Is a Novel Helper for Adeno-associated Virus Replication. <i>Journal of Virology</i> , 2017 , 91,	6.6	20
65	DNA Damage Signaling Is Required for Replication of Human Bocavirus 1 DNA in Dividing HEK293 Cells. <i>Journal of Virology</i> , 2017 , 91,	6.6	24
64	Glandular Proteome Identifies Antiprotease Cystatin C as a Critical Modulator of Airway Hydration and Clearance. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016 , 54, 469-81	5.7	7
63	Analysis of cis and trans Requirements for DNA Replication at the Right-End Hairpin of the Human Bocavirus 1 Genome. <i>Journal of Virology</i> , 2016 , 90, 7761-77	6.6	30
62	Nonstructural Protein NP1 of Human Bocavirus 1 Plays a Critical Role in the Expression of Viral Capsid Proteins. <i>Journal of Virology</i> , 2016 , 90, 4658-4669	6.6	41
61	Definitive localization of intracellular proteins: Novel approach using CRISPR-Cas9 genome editing, with glucose 6-phosphate dehydrogenase as a model. <i>Analytical Biochemistry</i> , 2016 , 494, 55-67	3.1	4
60	Replication of an Autonomous Human Parvovirus in Non-dividing Human Airway Epithelium Is Facilitated through the DNA Damage and Repair Pathways. <i>PLoS Pathogens</i> , 2016 , 12, e1005399	7.6	43
59	gene transfer with AAV improves early cystic fibrosis pig phenotypes. <i>JCI Insight</i> , 2016 , 1, e88728	9.9	53
58	Identification and Functional Analysis of Novel Nonstructural Proteins of Human Bocavirus 1. <i>Journal of Virology</i> , 2015 , 89, 10097-109	6.6	36
57	Ferret and pig models of cystic fibrosis: prospects and promise for gene therapy. <i>Human Gene Therapy Clinical Development</i> , 2015 , 26, 38-49	3.2	42
56	Optimization of Recombinant Adeno-Associated Virus-Mediated Expression for Large Transgenes, Using a Synthetic Promoter and Tandem Array Enhancers. <i>Human Gene Therapy</i> , 2015 , 26, 334-46	4.8	35

55	Ferret and Pig Models of Cystic Fibrosis: Prospects and Promise for Gene Therapy. <i>Human Gene Therapy Clinical Development</i> , 2014 , 150127063140004	3.2	
54	Lung phenotype of juvenile and adult cystic fibrosis transmembrane conductance regulator-knockout ferrets. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014 , 50, 502-12	5.7	81
53	Gastrointestinal pathology in juvenile and adult CFTR-knockout ferrets. <i>American Journal of Pathology</i> , 2014 , 184, 1309-22	5.8	53
52	A novel chimeric adenoassociated virus 2/human bocavirus 1 parvovirus vector efficiently transduces human airway epithelia. <i>Molecular Therapy</i> , 2013 , 21, 2181-94	11.7	47
51	Hepatocytes produce TNF- α following hypoxia-reoxygenation and liver ischemia-reperfusion in a NADPH oxidase- and c-Src-dependent manner. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, G84-94	5.1	36
50	Postentry processing of recombinant adeno-associated virus type 1 and transduction of the ferret lung are altered by a factor in airway secretions. <i>Human Gene Therapy</i> , 2013 , 24, 786-96	4.8	9
49	In vitro modeling of human bocavirus 1 infection of polarized primary human airway epithelia. <i>Journal of Virology</i> , 2013 , 87, 4097-102	6.6	46
48	Distinct transduction difference between adeno-associated virus type 1 and type 6 vectors in human polarized airway epithelia. <i>Gene Therapy</i> , 2013 , 20, 328-37	4	20
47	Establishment of a reverse genetics system for studying human bocavirus in human airway epithelia. <i>PLoS Pathogens</i> , 2012 , 8, e1002899	7.6	117
46	Comparative processing and function of human and ferret cystic fibrosis transmembrane conductance regulator. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21673-85	5.4	26
45	Directing integrin-linked endocytosis of recombinant AAV enhances productive FAK-dependent transduction. <i>Molecular Therapy</i> , 2012 , 20, 972-83	11.7	14
44	Abnormal endocrine pancreas function at birth in cystic fibrosis ferrets. <i>Journal of Clinical Investigation</i> , 2012 , 122, 3755-68	15.9	95
43	Unique characteristics of AAV1, 2, and 5 viral entry, intracellular trafficking, and nuclear import define transduction efficiency in HeLa cells. <i>Human Gene Therapy</i> , 2011 , 22, 1433-44	4.8	26
42	Control of hepatic nuclear superoxide production by glucose 6-phosphate dehydrogenase and NADPH oxidase-4. <i>Journal of Biological Chemistry</i> , 2011 , 286, 8977-87	5.4	82
41	Dual reporter comparative indexing of rAAV pseudotyped vectors in chimpanzee airway. <i>Molecular Therapy</i> , 2010 , 18, 594-600	11.7	46
40	Disease phenotype of a ferret CFTR-knockout model of cystic fibrosis. <i>Journal of Clinical Investigation</i> , 2010 , 120, 3149-60	15.9	262
39	Analysis of adeno-associated virus progenitor cell transduction in mouse lung. <i>Molecular Therapy</i> , 2009 , 17, 285-93	11.7	29
38	Indexing TNF-alpha gene expression using a gene-targeted reporter cell line. <i>BMC Biology</i> , 2009 , 7, 8	7.3	6

37	Progress and prospects: techniques for site-directed mutagenesis in animal models. <i>Gene Therapy</i> , 2009 , 16, 581-8	4	14
36	Production of CFTR-null and CFTR-DeltaF508 heterozygous pigs by adeno-associated virus-mediated gene targeting and somatic cell nuclear transfer. <i>Journal of Clinical Investigation</i> , 2008 , 118, 1571-7	15.9	250
35	Adeno-associated virus-targeted disruption of the CFTR gene in cloned ferrets. <i>Journal of Clinical Investigation</i> , 2008 , 118, 1578-83	15.9	117
34	Comparative biology of rAAV transduction in ferret, pig and human airway epithelia. <i>Gene Therapy</i> , 2007 , 14, 1543-8	4	34
33	Bioelectric properties of chloride channels in human, pig, ferret, and mouse airway epithelia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2007 , 36, 313-23	5.7	69
32	Biological Differences in rAAV Transduction of Airway Epithelia in Humans and in Old World Non-human Primates. <i>Molecular Therapy</i> , 2007 , 15, 2114-23	11.7	28
31	Hybrid adeno-associated virus bearing nonhomologous inverted terminal repeats enhances dual-vector reconstruction of minigenes in vivo. <i>Human Gene Therapy</i> , 2007 , 18, 81-7	4.8	33
30	Screen for dominant behavioral mutations caused by genomic insertion of P-element transposons in <i>Drosophila</i> : an examination of the integration of viral vector sequences. <i>Journal of Neurogenetics</i> , 2007 , 21, 31-43	1.6	
29	Species-specific differences in mouse and human airway epithelial biology of recombinant adeno-associated virus transduction. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006 , 34, 56-64	5.7	39
28	Unique biologic properties of recombinant AAV1 transduction in polarized human airway epithelia. <i>Journal of Biological Chemistry</i> , 2006 , 281, 29684-92	5.4	39
27	Hybrid Adeno-Associated Virus Bearing Nonhomologous Inverted Terminal Repeats Enhances Dual-Vector Reconstruction of Minigenes In Vivo. <i>Human Gene Therapy</i> , 2006 , 061221035427001	4.8	1
26	Spliceosome-mediated RNA trans-splicing with recombinant adeno-associated virus partially restores cystic fibrosis transmembrane conductance regulator function to polarized human cystic fibrosis airway epithelial cells. <i>Human Gene Therapy</i> , 2005 , 16, 1116-23	4.8	47
25	Intracellular trafficking of adeno-associated viral vectors. <i>Gene Therapy</i> , 2005 , 12, 873-80	4	198
24	Inverted terminal repeat sequences are important for intermolecular recombination and circularization of adeno-associated virus genomes. <i>Journal of Virology</i> , 2005 , 79, 364-79	6.6	68
23	Mechanism of recombinant adeno-associated virus transduction 2005 , 511-524		
22	Expanding the capacity of AAV vectors 2005 , 525-532		
21	Spliceosome-Mediated RNA Trans-Splicing with Recombinant Adeno-Associated Virus Partially Restores Cystic Fibrosis Transmembrane Conductance Regulator Function to Polarized Human Cystic Fibrosis Airway Epithelial Cells. <i>Human Gene Therapy</i> , 2005 , 050808081439001	4.8	1
20	Distinct classes of proteasome-modulating agents cooperatively augment recombinant adeno-associated virus type 2 and type 5-mediated transduction from the apical surfaces of human airway epithelia. <i>Journal of Virology</i> , 2004 , 78, 2863-74	6.6	109

19	Targeted correction of single-base-pair mutations with adeno-associated virus vectors under nonselective conditions. <i>Journal of Virology</i> , 2004 , 78, 4165-75	6.6	33
18	Dual therapeutic utility of proteasome modulating agents for pharmaco-gene therapy of the cystic fibrosis airway. <i>Molecular Therapy</i> , 2004 , 10, 990-1002	11.7	37
17	Efficiency of chimeraplast gene targeting by direct nuclear injection using a GFP recovery assay. <i>Molecular Therapy</i> , 2003 , 7, 248-53	11.7	31
16	Second-strand genome conversion of adeno-associated virus type 2 (AAV-2) and AAV-5 is not rate limiting following apical infection of polarized human airway epithelia. <i>Journal of Virology</i> , 2003 , 77, 7361-6	6.6	66
15	Trans-splicing vectors expand the packaging limits of adeno-associated virus for gene therapy applications. <i>Methods in Molecular Medicine</i> , 2003 , 76, 287-307		9
14	Virus-mediated transduction of murine retina with adeno-associated virus: effects of viral capsid and genome size. <i>Journal of Virology</i> , 2002 , 76, 7651-60	6.6	162
13	Ubiquitination of both adeno-associated virus type 2 and 5 capsid proteins affects the transduction efficiency of recombinant vectors. <i>Journal of Virology</i> , 2002 , 76, 2043-53	6.6	179
12	Recombinant AAV-mediated gene delivery using dual vector heterodimerization. <i>Methods in Enzymology</i> , 2002 , 346, 334-57	1.7	21
11	Enhancement of muscle gene delivery with pseudotyped adeno-associated virus type 5 correlates with myoblast differentiation. <i>Journal of Virology</i> , 2001 , 75, 7662-71	6.6	86
10	A new dual-vector approach to enhance recombinant adeno-associated virus-mediated gene expression through intermolecular cis activation. <i>Nature Medicine</i> , 2000 , 6, 595-8	50.5	166
9	Trans-splicing vectors expand the utility of adeno-associated virus for gene therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 6716-21	11.5	231
8	Endosomal processing limits gene transfer to polarized airway epithelia by adeno-associated virus. <i>Journal of Clinical Investigation</i> , 2000 , 105, 1573-87	15.9	295
7	Structural analysis of adeno-associated virus transduction circular intermediates. <i>Virology</i> , 1999 , 261, 8-14	3.6	78
6	Formation of adeno-associated virus circular genomes is differentially regulated by adenovirus E4 ORF6 and E2a gene expression. <i>Journal of Virology</i> , 1999 , 73, 161-9	6.6	69
5	A novel liver-directed gene delivery system using an autonomously replicating vector specifically expressed in AFP positive hepatoma cells. <i>Science in China Series C: Life Sciences</i> , 1998 , 41, 80-6		1
4	Polarity influences the efficiency of recombinant adenoassociated virus infection in differentiated airway epithelia. <i>Human Gene Therapy</i> , 1998 , 9, 2761-76	4.8	159
3	A novel package system based on an EBV replicon vector for producing high titer recombinant adeno-associated virus vector. <i>Science Bulletin</i> , 1997 , 42, 1741-1744		1
2	Molecular characterization of suppression of hepatitis B virus transcription by hepatitis C virus core protein. <i>Science in China Series C: Life Sciences</i> , 1997 , 40, 648-56		3

1 Genetic Engineering in the Ferret665-683

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