

Ziying Yan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1537977/publications.pdf>

Version: 2024-02-01

91
papers

5,506
citations

81889

39
h-index

82542

72
g-index

94
all docs

94
docs citations

94
times ranked

4174
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Endosomal processing limits gene transfer to polarized airway epithelia by adeno-associated virus. <i>Journal of Clinical Investigation</i> , 2000, 105, 1573-1587. | 8.2 | 338 |
| 2 | Disease phenotype of a ferret CFTR-knockout model of cystic fibrosis. <i>Journal of Clinical Investigation</i> , 2010, 120, 3149-3160. | 8.2 | 310 |
| 3 | Production of CFTR-null and CFTR- Δ F508 heterozygous pigs by adeno-associated virus-mediated gene targeting and somatic cell nuclear transfer. <i>Journal of Clinical Investigation</i> , 2008, 118, 1571-1577. | 8.2 | 294 |
| 4 | 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, 6716-6721. | 7.1 | 275 |
| 5 | Intracellular trafficking of adeno-associated viral vectors. <i>Gene Therapy</i> , 2005, 12, 873-880. | 4.5 | 219 |
| 6 | 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, 2043-2053. | 3.4 | 200 |
| 7 | A new dual-vector approach to enhance recombinant adeno-associated virus-mediated gene expression through intermolecular cis activation. <i>Nature Medicine</i> , 2000, 6, 595-598. | 30.7 | 189 |
| 8 | Virus-Mediated Transduction of Murine Retina with Adeno-Associated Virus: Effects of Viral Capsid and Genome Size. <i>Journal of Virology</i> , 2002, 76, 7651-7660. | 3.4 | 181 |
| 9 | Polarity Influences the Efficiency of Recombinant Adenoassociated Virus Infection in Differentiated Airway Epithelia. <i>Human Gene Therapy</i> , 1998, 9, 2761-2776. | 2.7 | 171 |
| 10 | Establishment of a Reverse Genetics System for Studying Human Bocavirus in Human Airway Epithelia. <i>PLoS Pathogens</i> , 2012, 8, e1002899. | 4.7 | 137 |
| 11 | Adeno-associated virus-targeted disruption of the CFTR gene in cloned ferrets. <i>Journal of Clinical Investigation</i> , 2008, 118, 1578-1583. | 8.2 | 132 |
| 12 | Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size. <i>Nature</i> , 2018, 556, 370-375. | 27.8 | 127 |
| 13 | 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, 2863-2874. | 3.4 | 124 |
| 14 | Adeno-associated Virus (AAV) Serotypes Have Distinctive Interactions with Domains of the Cellular AAV Receptor. <i>Journal of Virology</i> , 2017, 91, . | 3.4 | 119 |
| 15 | Abnormal endocrine pancreas function at birth in cystic fibrosis ferrets. <i>Journal of Clinical Investigation</i> , 2012, 122, 3755-3768. | 8.2 | 115 |
| 16 | In utero and postnatal VX-770 administration rescues multiorgan disease in a ferret model of cystic fibrosis. <i>Science Translational Medicine</i> , 2019, 11, . | 12.4 | 112 |
| 17 | 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, 502-512. | 2.9 | 103 |
| 18 | Structural Analysis of Adeno-Associated Virus Transduction Circular Intermediates. <i>Virology</i> , 1999, 261, 8-14. | 2.4 | 89 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Enhancement of Muscle Gene Delivery with Pseudotyped Adeno-Associated Virus Type 5 Correlates with Myoblast Differentiation. <i>Journal of Virology</i> , 2001, 75, 7662-7671. | 3.4 | 89 |
| 20 | Inverted Terminal Repeat Sequences Are Important for Intermolecular Recombination and Circularization of Adeno-Associated Virus Genomes. <i>Journal of Virology</i> , 2005, 79, 364-379. | 3.4 | 87 |
| 21 | Control of Hepatic Nuclear Superoxide Production by Glucose 6-Phosphate Dehydrogenase and NADPH Oxidase-4. <i>Journal of Biological Chemistry</i> , 2011, 286, 8977-8987. | 3.4 | 87 |
| 22 | 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, 161-169. | 3.4 | 81 |
| 23 | Long-Term Modeling of SARS-CoV-2 Infection of <i>In Vitro</i> Cultured Polarized Human Airway Epithelium. <i>MBio</i> , 2020, 11, . | 4.1 | 80 |
| 24 | 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, 313-323. | 2.9 | 78 |
| 25 | 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, 7361-7366. | 3.4 | 73 |
| 26 | CFTR gene transfer with AAV improves early cystic fibrosis pig phenotypes. <i>JCI Insight</i> , 2016, 1, e88728. | 5.0 | 72 |
| 27 | Advances in gene therapy for cystic fibrosis lung disease. <i>Human Molecular Genetics</i> , 2019, 28, R88-R94. | 2.9 | 72 |
| 28 | Gastrointestinal Pathology in Juvenile and Adult CFTR-Knockout Ferrets. <i>American Journal of Pathology</i> , 2014, 184, 1309-1322. | 3.8 | 63 |
| 29 | A Novel Chimeric Adenoassociated Virus 2/Human Bocavirus 1 Parvovirus Vector Efficiently Transduces Human Airway Epithelia. <i>Molecular Therapy</i> , 2013, 21, 2181-2194. | 8.2 | 62 |
| 30 | Ferret and Pig Models of Cystic Fibrosis: Prospects and Promise for Gene Therapy. <i>Human Gene Therapy Clinical Development</i> , 2015, 26, 38-49. | 3.1 | 57 |
| 31 | Spliceosome-Mediated RNATrans-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, 1116-1123. | 2.7 | 55 |
| 32 | 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. | 4.7 | 54 |
| 33 | <i>In Vitro</i> Modeling of Human Bocavirus 1 Infection of Polarized Primary Human Airway Epithelia. <i>Journal of Virology</i> , 2013, 87, 4097-4102. | 3.4 | 53 |
| 34 | 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. | 3.4 | 50 |
| 35 | Dual Reporter Comparative Indexing of rAAV Pseudotyped Vectors in Chimpanzee Airway. <i>Molecular Therapy</i> , 2010, 18, 594-600. | 8.2 | 49 |
| 36 | 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, 334-346. | 2.7 | 49 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Dual Therapeutic Utility of Proteasome Modulating Agents for Pharmacogene Therapy of the Cystic Fibrosis Airway. <i>Molecular Therapy</i> , 2004, 10, 990-1002. | 8.2 | 46 |
| 38 | Identification and Functional Analysis of Novel Nonstructural Proteins of Human Bocavirus 1. <i>Journal of Virology</i> , 2015, 89, 10097-10109. | 3.4 | 46 |
| 39 | Unique Biologic Properties of Recombinant AAV1 Transduction in Polarized Human Airway Epithelia. <i>Journal of Biological Chemistry</i> , 2006, 281, 29684-29692. | 3.4 | 43 |
| 40 | 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. | 2.9 | 42 |
| 41 | Comparative biology of rAAV transduction in ferret, pig and human airway epithelia. <i>Gene Therapy</i> , 2007, 14, 1543-1548. | 4.5 | 42 |
| 42 | 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-G94. | 3.4 | 40 |
| 43 | Hybrid Adeno-Associated Virus Bearing Nonhomologous Inverted Terminal Repeats Enhances Dual-Vector Reconstruction of Minigenes In Vivo. <i>Human Gene Therapy</i> , 2007, 18, 81-87. | 2.7 | 39 |
| 44 | 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. | 4.1 | 38 |
| 45 | Targeted Correction of Single-Base-Pair Mutations with Adeno-Associated Virus Vectors under Nonselective Conditions. <i>Journal of Virology</i> , 2004, 78, 4165-4175. | 3.4 | 37 |
| 46 | Analysis of Adeno-associated Virus Progenitor Cell Transduction in Mouse Lung. <i>Molecular Therapy</i> , 2009, 17, 285-293. | 8.2 | 37 |
| 47 | Efficiency of chimeraplast gene targeting by direct nuclear injection using a GFP recovery assay. <i>Molecular Therapy</i> , 2003, 7, 248-253. | 8.2 | 35 |
| 48 | 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. | 2.7 | 34 |
| 49 | Biological Differences in rAAV Transduction of Airway Epithelia in Humans and in Old World Non-human Primates. <i>Molecular Therapy</i> , 2007, 15, 2114-2123. | 8.2 | 33 |
| 50 | Human Parvovirus Infection of Human Airway Epithelia Induces Pyroptotic Cell Death by Inhibiting Apoptosis. <i>Journal of Virology</i> , 2017, 91, . | 3.4 | 33 |
| 51 | 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, 7761-7777. | 3.4 | 32 |
| 52 | 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, 1433-1444. | 2.7 | 31 |
| 53 | DNA Damage Signaling Is Required for Replication of Human Bocavirus 1 DNA in Dividing HEK293 Cells. <i>Journal of Virology</i> , 2017, 91, . | 3.4 | 30 |
| 54 | Comparative Processing and Function of Human and Ferret Cystic Fibrosis Transmembrane Conductance Regulator. <i>Journal of Biological Chemistry</i> , 2012, 287, 21673-21685. | 3.4 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Human Bocavirus 1 Is a Novel Helper for Adeno-associated Virus Replication. <i>Journal of Virology</i> , 2017, 91, . | 3.4 | 29 |
| 56 | Distinct transduction difference between adeno-associated virus type 1 and type 6 vectors in human polarized airway epithelia. <i>Gene Therapy</i> , 2013, 20, 328-337. | 4.5 | 28 |
| 57 | Highly Efficient Transgenesis in Ferrets Using CRISPR/Cas9-Mediated Homology-Independent Insertion at the ROSA26 Locus. <i>Scientific Reports</i> , 2019, 9, 1971. | 3.3 | 28 |
| 58 | [20] Recombinant AAV-mediated gene delivery using dual vector heterodimerization. <i>Methods in Enzymology</i> , 2002, 346, 334-357. | 1.0 | 24 |
| 59 | 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. | 4.1 | 21 |
| 60 | Viral Vectors, Animal Models, and Cellular Targets for Gene Therapy of Cystic Fibrosis Lung Disease. <i>Human Gene Therapy</i> , 2020, 31, 524-537. | 2.7 | 21 |
| 61 | 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, . | 4.1 | 21 |
| 62 | Parvovirus Expresses a Small Noncoding RNA That Plays an Essential Role in Virus Replication. <i>Journal of Virology</i> , 2017, 91, . | 3.4 | 19 |
| 63 | Progress and prospects: techniques for site-directed mutagenesis in animal models. <i>Gene Therapy</i> , 2009, 16, 581-588. | 4.5 | 16 |
| 64 | Directing Integrin-linked Endocytosis of Recombinant AAV Enhances Productive FAK-dependent Transduction. <i>Molecular Therapy</i> , 2012, 20, 972-983. | 8.2 | 16 |
| 65 | 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. | 3.1 | 16 |
| 66 | 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, . | 3.4 | 16 |
| 67 | 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. | 2.7 | 14 |
| 68 | 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, 469-481. | 2.9 | 13 |
| 69 | 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, 786-796. | 2.7 | 12 |
| 70 | Human Bocavirus 1 Infection of Wellâ€Differentiated Human Airway Epithelium. <i>Current Protocols in Microbiology</i> , 2020, 58, e107. | 6.5 | 12 |
| 71 | Trans-Splicing Vectors Expand the Packaging Limits of Adeno-Associated Virus for Gene Therapy Applications. , 2003, 76, 287-308. | | 11 |
| 72 | 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. | 4.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Ferret models of alpha-1 antitrypsin deficiency develop lung and liver disease. JCI Insight, 2022, 7, . | 5.0 | 8 |
| 74 | Recombinant Adeno-Associated Virus-Mediated Editing of the G551D Cystic Fibrosis Transmembrane Conductance Regulator Mutation in Ferret Airway Basal Cells. Human Gene Therapy, 2022, 33, 1023-1036. | 2.7 | 8 |
| 75 | Definitive localization of intracellular proteins: Novel approach using CRISPR-Cas9 genome editing, with glucose 6-phosphate dehydrogenase as a model. Analytical Biochemistry, 2016, 494, 55-67. | 2.4 | 7 |
| 76 | Indexing TNF- α gene expression using a gene-targeted reporter cell line. BMC Biology, 2009, 7, 8. | 3.8 | 6 |
| 77 | Establishment of a Recombinant AAV2/HBoV1 Vector Production System in Insect Cells. Genes, 2020, 11, 439. | 2.4 | 6 |
| 78 | The small nonstructural protein NP1 of human bocavirus 1 directly interacts with Ku70 and RPA70 and facilitates viral DNA replication. PLoS Pathogens, 2022, 18, e1010578. | 4.7 | 6 |
| 79 | A Comprehensive RNA-seq Analysis of Human Bocavirus 1 Transcripts in Infected Human Airway Epithelium. Viruses, 2019, 11, 33. | 3.3 | 5 |
| 80 | Detargeting Lentiviral-Mediated CFTR Expression in Airway Basal Cells Using miR-106b. Genes, 2020, 11, 1169. | 2.4 | 4 |
| 81 | Molecular characterization of suppression of hepatitis B virus transcription by hepatitis C virus core protein. Science in China Series C: Life Sciences, 1997, 40, 648-656. | 1.3 | 3 |
| 82 | Hairpin Transfer-Independent Parvovirus DNA Replication Produces Infectious Virus. Journal of Virology, 2021, 95, e0110821. | 3.4 | 3 |
| 83 | AAV-mediated gene editing lights up the lung. Molecular Therapy, 2022, 30, 7-9. | 8.2 | 2 |
| 84 | A novel package system based on an EBV replicon vector for producing high titer recombinant adeno-associated virus vector. Science Bulletin, 1997, 42, 1741-1744. | 1.7 | 1 |
| 85 | A novel liver-directed gene delivery system using an autonomously replicating vector specifically expressed in AFP positive hepatoma cells. Science in China Series C: Life Sciences, 1998, 41, 80-86. | 1.3 | 1 |
| 86 | 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. Human Gene Therapy, 2005, . | 2.7 | 1 |
| 87 | Hybrid Adeno-Associated Virus Bearing Nonhomologous Inverted Terminal Repeats Enhances Dual-Vector Reconstruction of Minigenes In Vivo. Human Gene Therapy, 2006, . | 2.7 | 1 |
| 88 | SCREEN FOR DOMINANT BEHAVIORAL MUTATIONS CAUSED BY GENOMIC INSERTION OF P-ELEMENT TRANSPOSONS IN DROSOPHILA: AN EXAMINATION OF THE INTEGRATION OF VIRAL VECTOR SEQUENCES. Journal of Neurogenetics, 2007, 21, 31-43. | 1.4 | 0 |
| 89 | Ferret and Pig Models of Cystic Fibrosis: Prospects and Promise for Gene Therapy. Human Gene Therapy Clinical Development, 2014, , 150127063140004. | 3.1 | 0 |
| 90 | Mechanism of recombinant adeno-associated virus transduction. , 2005, , 511-524. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 91 | Expanding the capacity of AAV vectors. , 2005, , 525-532. | | 0 |