Patrick L Sinn

List of Publications by Year
in descending order

68 papers	3,808 citations	159585 30 h-index	133252 59 g-index
71 all docs	71 docs citations	71 times ranked	4250 citing authors

#	Article	IF	Citations
1	Adherens junction protein nectin-4 is the epithelial receptor for measles virus. Nature, 2011, 480, 530-533.	27.8	504
2	T-cell immunoglobulin and mucin domain 1 (TIM-1) is a receptor for <i>Zaire Ebolavirus</i> and <i>Lake Victoria Marburgvirus</i>. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8426-8431.	7.1	330
3	Gene Therapy Progress and Prospects: Development of improved lentiviral and retroviral vectors â€“ design, biosafety, and production. Gene Therapy, 2005, 12, 1089-1098.	4.5	299
4	Measles virus blind to its epithelial cell receptor remains virulent in rhesus monkeys but cannot cross the airway epithelium and is not shed. Journal of Clinical Investigation, 2008, 118, 2448-58.	8.2	200
5	<i>piggyBac</i> transposase tools for genome engineering. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2279-87.	7.1	186
6	In vivo mouse studies with bioluminescence tomography. Optics Express, 2006, 14, 7801.	3.4	167
7	In Vivo Gene Transfer Using a Nonprimate Lentiviral Vector Pseudotyped with Ross River Virus Glycoproteins. Journal of Virology, 2002, 76, 9378-9388.	3.4	133
8	Lentivirus Vectors Pseudotyped with Filoviral Envelope Glycoproteins Transduce Airway Epithelia from the Apical Surface Independently of Folate Receptor Alpha. Journal of Virology, 2003, 77, 5902-5910.	3.4	121
9	Tyrosine kinase receptor Axl enhances entry of Zaire ebolavirus without direct interactions with the viral glycoprotein. Virology, 2011, 415, 83-94.	2.4	105
10	Identification of three human renin mRNA isoforms from alternative tissue-specific transcriptional initiation. Physiological Genomics, 2000, 3, 25-31.	2.3	100
11	Persistent Gene Expression in Mouse Nasal Epithelia following Feline Immunodeficiency Virus-Based Vector Gene Transfer. Journal of Virology, 2005, 79, 12818-12827.	3.4	98
12	Connections matter âˆ’ how viruses use cellâ€“cell adhesion components. Journal of Cell Science, 2015, 128, 431-439.	2.0	92
13	Cystic Fibrosis Gene Therapy: Looking Back, Looking Forward. Genes, 2018, 9, 538.	2.4	87
14	Lentivirus Vector Can Be Readministered to Nasal Epithelia without Blocking Immune Responses. Journal of Virology, 2008, 82, 10684-10692.	3.4	86
15	Rho GTPases Modulate Entry of Ebola Virus and Vesicular Stomatitis Virus Pseudotyped Vectors. Journal of Virology, 2009, 83, 10176-10186.	3.4	79
16	Measles Virus Preferentially Transduces the Basolateral Surface of Well-Differentiated Human Airway Epithelia. Journal of Virology, 2002, 76, 2403-2409.	3.4	75
17	Lentiviral-mediated phenotypic correction of cystic fibrosis pigs. JCI Insight, 2016, 1, .	5.0	73
18	CFTR gene transfer with AAV improves early cystic fibrosis pig phenotypes. JCI Insight, 2016, 1, e88728.	5.0	72

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19	Interferon-Î³ Inhibits Ebola Virus Infection. PLoS Pathogens, 2015, 11, e1005263.	4.7	71
20	Ferret and Pig Models of Cystic Fibrosis: Prospects and Promise for Gene Therapy. Human Gene Therapy Clinical Development, 2015, 26, 38-49.	3.1	57
21	Highly Regulated Cell Type-restricted Expression of Human Renin in Mice Containing 140- or 160-Kilobase Pair P1 Phage Artificial Chromosome Transgenes. Journal of Biological Chemistry, 1999, 274, 35785-35793.	3.4	52
22	Viscoelastic Gel Formulations Enhance Airway Epithelial Gene Transfer with Viral Vectors. American Journal of Respiratory Cell and Molecular Biology, 2005, 32, 404-410.	2.9	47
23	The Nectin-4/Afadin Protein Complex and Intercellular Membrane Pores Contribute to Rapid Spread of Measles Virus in Primary Human Airway Epithelia. Journal of Virology, 2015, 89, 7089-7096.	3.4	45
24	Lentiviral Vector Gene Transfer to Porcine Airways. Molecular Therapy - Nucleic Acids, 2012, 1, e56.	5.1	44
25	Cell-to-Cell Contact and Nectin-4 Govern Spread of Measles Virus from Primary Human Myeloid Cells to Primary Human Airway Epithelial Cells. Journal of Virology, 2016, 90, 6808-6817.	3.4	43
26	Hybrid Nonviral/Viral Vector Systems for Improved piggyBac DNA Transposon In Vivo Delivery. Molecular Therapy, 2015, 23, 667-674.	8.2	39
27	Human Renin mRNA Stability Is Increased in Response to cAMP in Calu-6 Cells. Hypertension, 1999, 33, 900-905.	2.7	38
28	Widespread airway distribution and short-term phenotypic correction of cystic fibrosis pigs following aerosol delivery of piggyBac/adenovirus. Nucleic Acids Research, 2018, 46, 9591-9600.	14.5	38
29	Gene Transfer to Respiratory Epithelia with Lentivirus Pseudotyped with Jaagsiekte Sheep Retrovirus Envelope Glycoprotein. Human Gene Therapy, 2005, 16, 479-488.	2.7	36
30	Advances in Cell and Gene-based Therapies for Cystic Fibrosis Lung Disease. Molecular Therapy, 2012, 20, 1108-1115.	8.2	36
31	A Novel AAV-mediated Gene Delivery System Corrects CFTR Function in Pigs. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 747-754.	2.9	31
32	Progress and Prospects: prospects of repeated pulmonary administration of viral vectors. Gene Therapy, 2009, 16, 1059-1065.	4.5	28
33	Enhanced Gene Expression Conferred by Stepwise Modification of a Nonprimate Lentiviral Vector. Human Gene Therapy, 2007, 18, 1244-1252.	2.7	27
34	The use of carboxymethylcellulose gel to increase non-viral gene transfer in mouse airways. Biomaterials, 2010, 31, 2665-2672.	11.4	27
35	Genetic therapies for cystic fibrosis lung disease. Human Molecular Genetics, 2011, 20, R79-R86.	2.9	25
36	Functional correction of<i>CFTR</i>mutations in human airway epithelial cells using adenine base editors. Nucleic Acids Research, 2021, 49, 10558-10572.	14.5	25

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37	Novel GP64 envelope variants for improved delivery to human airway epithelial cells. Gene Therapy, 2017, 24, 674-679.	4.5	23
38	Integrin Î±6Î²4 Identifies Human Distal Lung Epithelial Progenitor Cells with Potential as a Cell-Based Therapy for Cystic Fibrosis Lung Disease. PLoS ONE, 2013, 8, e83624.	2.5	22
39	Measles Virus Ribonucleoprotein Complexes Rapidly Spread across Well-Differentiated Primary Human Airway Epithelial Cells along F-Actin Rings. MBio, 2019, 10, .	4.1	21
40	Measles virus exits human airway epithelia within dislodged metabolically active infectious centers. PLoS Pathogens, 2021, 17, e1009458.	4.7	18
41	Different Roles of the Three Loops Forming the Adhesive Interface of Nectin-4 in Measles Virus Binding and Cell Entry, Nectin-4 Homodimerization, and Heterodimerization with Nectin-1. Journal of Virology, 2014, 88, 14161-14171.	3.4	17
42	Adeno-Associated Virus-Based Gene Therapy for Lifelong Correction of Genetic Disease. Human Gene Therapy, 2020, 31, 985-995.	2.7	17
43	JG cell expression and partial regulation of a human renin genomic transgene driven by a minimal renin promoter. American Journal of Physiology - Renal Physiology, 1999, 277, F634-F642.	2.7	16
44	Long-term correction of hemophilia A mice following lentiviral mediated delivery of an optimized canine factor VIII gene. Gene Therapy, 2017, 24, 742-748.	4.5	16
45	Lentiviral Vectors Pseudotyped with Filoviral Glycoproteins. Methods in Molecular Biology, 2017, 1628, 65-78.	0.9	14
46	In vivo imaging of gene transfer to the respiratory tract. Biomaterials, 2008, 29, 1533-1540.	11.4	13
47	Gene Therapy Potential for Genetic Disorders of Surfactant Dysfunction. Frontiers in Genome Editing, 2021, 3, 785829.	5.2	13
48	Transgenic models as tools for studying the regulation of human renin expression. Regulatory Peptides, 2000, 86, 77-82.	1.9	12
49	Inclusion of jaagsiekte sheep retrovirus proviral elements markedly increases lentivirus vector pseudotyping efficiency. Molecular Therapy, 2005, 11, 460-469.	8.2	12
50	Human, Pig, and Mouse Interferon-Induced Transmembrane Proteins Partially Restrict Pseudotyped Lentiviral Vectors. Human Gene Therapy, 2016, 27, 354-362.	2.7	11
51	piggyBac-mediated phenotypic correction of factor VIII deficiency. Molecular Therapy - Methods and Clinical Development, 2014, 1, 14042.	4.1	10
52	Intrapulmonary Versus Nasal Transduction of Murine Airways With GP64-pseudotyped Viral Vectors. Molecular Therapy - Nucleic Acids, 2013, 2, e69.	5.1	9
53	Extracellular Vesicle-Mediated siRNA Delivery, Protein Delivery, and CFTR Complementation in Well-Differentiated Human Airway Epithelial Cells. Genes, 2020, 11, 351.	2.4	9
54	Enhanced Tropism of Species B1 Adenoviral-Based Vectors for Primary Human Airway Epithelial Cells. Molecular Therapy - Methods and Clinical Development, 2019, 14, 228-236.	4.1	8

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55	Increased CFTR expression and function from an optimized lentiviral vector for cystic fibrosis gene therapy. Molecular Therapy - Methods and Clinical Development, 2021, 21, 94-106.	4.1	8
56	Transcriptional Targeting in the Airway Using Novel Gene Regulatory Elements. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 227-233.	2.9	6
57	Lentiviral vectors transduce lung stem cells without disrupting plasticity. Molecular Therapy - Nucleic Acids, 2021, 25, 293-301.	5.1	4
58	[28] Gene transfer to airway epithelia using feline immunodeficiency virus-based lentivirus vectors. Methods in Enzymology, 2002, 346, 500-514.	1.0	3
59	Integrating Viral and Nonviral Vectors for Cystic Fibrosis Gene Therapy in the Airways. , 2015, , .		2
60	Intratracheal aerosolization of viral vectors to newborn pig airways. BioTechniques, 2020, 68, 235-239.	1.8	2
61	In vivo tomographic imaging based on bioluminescence. , 2004, , .		1
62	Cells of Respiratory Epithelium. , 2003, 229, 287-298.		0
63	988. Repeat Administration of Lentiviral Vector to Mouse Nasal Epithelia. Molecular Therapy, 2006, 13, S380.	8.2	0
64	Ferret and Pig Models of Cystic Fibrosis: Prospects and Promise for Gene Therapy. Human Gene Therapy Clinical Development, 2014, , 150127063140004.	3.1	0
65	7. Lentiviral Vector-Mediated CFTR Gene Transfer to CF Pig Airways Corrects the Anion Transport Defect In Vivo. Molecular Therapy, 2015, 23, S3.	8.2	0
66	438. Human, Pig and Mouse IFITMs Partially Restrict Pseudotyped Lentiviral Vectors. Molecular Therapy, 2016, 24, S173-S174.	8.2	0
67	Piggybac Mediated Gene Transfer To Correct Hemophilia A. Blood, 2013, 122, 2900-2900.	1.4	0
68	Cells of Respiratory Epithelium. , 0, , 285-298.		0