John F Engelhardt

List of Publications by Year
in descending order

289 papers	25,712 citations	4641 85 h-index	8138 148 g-index
295 all docs	295 docs citations	295 times ranked	19869 citing authors

#	Article	IF	Citations
1	A revised airway epithelial hierarchy includes CFTR-expressing ionocytes. Nature, 2018, 560, 319-324.	13.7	878
2	Submucosal glands are the predominant site of CFTR expression in the human bronchus. Nature Genetics, 1992, 2, 240-248.	9.4	649
3	Ablation of E2A in recombinant adenoviruses improves transgene persistence and decreases inflammatory response in mouse liver.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 6196-6200.	3.3	633
4	A Controlled Study of Adenoviral-Vectorâ€“Mediated Gene Transfer in the Nasal Epithelium of Patients with Cystic Fibrosis. New England Journal of Medicine, 1995, 333, 823-831.	13.9	591
5	Successful ex vivo gene therapy directed to liver in a patient with familial hypercholesterolaemia. Nature Genetics, 1994, 6, 335-341.	9.4	577
6	Inactivation of E2a in recombinant adenoviruses improves the prospect for gene therapy in cystic fibrosis. Nature Genetics, 1994, 7, 362-369.	9.4	511
7	Modular flexibility of dystrophin: Implications for gene therapy of Duchenne muscular dystrophy. Nature Medicine, 2002, 8, 253-261.	15.2	505
8	Circular Intermediates of Recombinant Adeno-Associated Virus Have Defined Structural Characteristics Responsible for Long-Term Episomal Persistence in Muscle Tissue. Journal of Virology, 1998, 72, 8568-8577.	1.5	438
9	Targeted Injury of Type II Alveolar Epithelial Cells Induces Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 254-263.	2.5	399
10	Inefficient gene transfer by adenovirus vector to cystic fibrosis airway epithelia of mice and humans. Nature, 1994, 371, 802-806.	13.7	381
11	Lipopolysaccharide Induces Rac1-dependent Reactive Oxygen Species Formation and Coordinates Tumor Necrosis Factor-Î± Secretion through IKK Regulation of NF-ÎºB. Journal of Biological Chemistry, 2001, 276, 30188-30198.	1.6	366
12	Adenovirus-Mediated Transfer of the CFTR Gene to Lung of Nonhuman Primates: Toxicity Study. Human Gene Therapy, 1993, 4, 771-780.	1.4	338
13	Endosomal processing limits gene transfer to polarized airway epithelia by adeno-associated virus. Journal of Clinical Investigation, 2000, 105, 1573-1587.	3.9	338
14	CD4(+) T-lymphocytes mediate ischemia/reperfusion-induced inflammatory responses in mouse liver.. Journal of Clinical Investigation, 1997, 100, 279-289.	3.9	333
15	Direct gene transfer of human CFTR into human bronchial epithelia of xenografts with E1â€“deleted adenoviruses. Nature Genetics, 1993, 4, 27-34.	9.4	317
16	Dual SMAD Signaling Inhibition Enables Long-Term Expansion of Diverse Epithelial Basal Cells. Cell Stem Cell, 2016, 19, 217-231.	5.2	313
17	Disease phenotype of a ferret CFTR-knockout model of cystic fibrosis. Journal of Clinical Investigation, 2010, 120, 3149-3160.	3.9	310
18	Production of CFTR-null and CFTR-Î”F508 heterozygous pigs by adeno-associated virusâ€“mediated gene targeting and somatic cell nuclear transfer. Journal of Clinical Investigation, 2008, 118, 1571-1577.	3.9	294

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19	SOD1 mutations disrupt redox-sensitive Rac regulation of NADPH oxidase in a familial ALS model. Journal of Clinical Investigation, 2008, 118, 659-70.	3.9	282
20	Trans-splicing vectors expand the utility of adeno-associated virus for gene therapy. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6716-6721.	3.3	275
21	Airway Epithelial Cells: Current Concepts and Challenges. Proceedings of the American Thoracic Society, 2008, 5, 772-777.	3.5	275
22	Redox gene therapy for ischemia/reperfusion injury of the liver reduces AP1 and NF-Î¹B activation. Nature Medicine, 1998, 4, 698-704.	15.2	259
23	Manganese Superoxide Dismutase Protects nNOS Neurons from NMDA and Nitric Oxide-Mediated Neurotoxicity. Journal of Neuroscience, 1998, 18, 2040-2055.	1.7	258
24	Expression of the cystic fibrosis gene in adult human lung.. Journal of Clinical Investigation, 1994, 93, 737-749.	3.9	234
25	Prolonged Transgene Expression in Cotton Rat Lung with Recombinant Adenoviruses Defective in E2a. Human Gene Therapy, 1994, 5, 1217-1229.	1.4	232
26	Wnt-3A/Î²-Catenin Signaling Induces Transcription from the LEF-1 Promoter. Journal of Biological Chemistry, 2002, 277, 33398-33410.	1.6	226
27	Adenovirus-Mediated Transfer of the CFTR Gene to Lung of Nonhuman Primates: Biological Efficacy Study. Human Gene Therapy, 1993, 4, 759-769.	1.4	225
28	Endocytosis and Nuclear Trafficking of Adeno-Associated Virus Type 2 Are Controlled by Rac1 and Phosphatidylinositol-3 Kinase Activation. Journal of Virology, 2000, 74, 9184-9196.	1.5	224
29	Expanding AAV Packaging Capacity with Trans-splicing or Overlapping Vectors: A Quantitative Comparison. Molecular Therapy, 2001, 4, 383-391.	3.7	222
30	Intracellular trafficking of adeno-associated viral vectors. Gene Therapy, 2005, 12, 873-880.	2.3	219
31	Nox2 and Rac1 Regulate H 2 O 2 -Dependent Recruitment of TRAF6 to Endosomal Interleukin-1 Receptor Complexes. Molecular and Cellular Biology, 2006, 26, 140-154.	1.1	213
32	Therapeutic approaches for ischemia/reperfusion injury in the liver. Journal of Molecular Medicine, 1999, 77, 577-592.	1.7	212
33	The porcine lung as a potential model for cystic fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L240-L263.	1.3	206
34	Overexpression of Human Catalase Inhibits Proliferation and Promotes Apoptosis in Vascular Smooth Muscle Cells. Circulation Research, 1999, 85, 524-533.	2.0	201
35	Ubiquitination of both Adeno-Associated Virus Type 2 and 5 Capsid Proteins Affects the Transduction Efficiency of Recombinant Vectors. Journal of Virology, 2002, 76, 2043-2053.	1.5	200
36	Interleukin-1Î² Induction of NFÎºB Is Partially Regulated by H2O2-mediated Activation of NFÎºB-inducing Kinase. Journal of Biological Chemistry, 2006, 281, 1495-1505.	1.6	193

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37	A new dual-vector approach to enhance recombinant adeno-associated virus-mediated gene expression through intermolecular cis activation. Nature Medicine, 2000, 6, 595-598.	15.2	189
38	Efficient in vivo gene expression by trans-splicing adeno-associated viral vectors. Nature Biotechnology, 2005, 23, 1435-1439.	9.4	189
39	Virus-Mediated Transduction of Murine Retina with Adeno-Associated Virus: Effects of Viral Capsid and Genome Size. Journal of Virology, 2002, 76, 7651-7660.	1.5	181
40	Concatamerization of Adeno-Associated Virus Circular Genomes Occurs through Intermolecular Recombination. Journal of Virology, 1999, 73, 9468-9477.	1.5	177
41	Signaling Components of Redox Active Endosomes: The Redoxosomes. Antioxidants and Redox Signaling, 2009, 11, 1313-1333.	2.5	173
42	Polarity Influences the Efficiency of Recombinant Adenoassociated Virus Infection in Differentiated Airway Epithelia. Human Gene Therapy, 1998, 9, 2761-2776.	1.4	171
43	Prevention of late effects of irradiation lung damage by manganese superoxide dismutase gene therapy. Gene Therapy, 1998, 5, 196-208.	2.3	169
44	Ischemia/reperfusion injury in the liver of BALB/c mice activates AP-1 and nuclear factor ?B independently of I?B degradation. Hepatology, 1998, 28, 1022-1030.	3.6	169
45	Cloned ferrets produced by somatic cell nuclear transfer. Developmental Biology, 2006, 293, 439-448.	0.9	166
46	Partial correction of endogenous Î”F508 CFTR in human cystic fibrosis airway epithelia by spliceosome-mediated RNA trans-splicing. Nature Biotechnology, 2002, 20, 47-52.	9.4	161
47	Tyrosine Phosphorylation of IÎºBÎ± Activates NFÎºB through a Redox-regulated and c-Src-dependent Mechanism Following Hypoxia/Reoxygenation. Journal of Biological Chemistry, 2003, 278, 2072-2080.	1.6	161
48	Requirement for Rac1-Dependent NADPH Oxidase in the Cardiovascular and Dipsogenic Actions of Angiotensin II in the Brain. Circulation Research, 2004, 95, 532-539.	2.0	158
49	Signaling Role of Intracellular Iron in NF-ÎºB Activation. Journal of Biological Chemistry, 2003, 278, 17646-17654.	1.6	151
50	MUC5B and MUC7 Are Differentially Expressed in Mucous and Serous Cells of Submucosal Glands in Human Bronchial Airways. American Journal of Respiratory Cell and Molecular Biology, 1998, 19, 30-37.	1.4	148
51	Dynamin Is Required for Recombinant Adeno-Associated Virus Type 2 Infection. Journal of Virology, 1999, 73, 10371-10376.	1.5	148
52	Bile Acid Regulation of C/EBPÎ², CREB, and c-Jun Function, via the Extracellular Signal-Regulated Kinase and c-Jun NH 2 -Terminal Kinase Pathways, Modulates the Apoptotic Response of Hepatocytes. Molecular and Cellular Biology, 2003, 23, 3052-3066.	1.1	144
53	An approach for treating the hepatobiliary disease of cystic fibrosis by somatic gene transfer.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 4601-4605.	3.3	140
54	Intratracheal injection of adenovirus containing the human MNSOD transgene protects athymic nude mice from irradiation-induced organizing alveolitis. International Journal of Radiation Oncology Biology Physics, 1999, 43, 169-181.	0.4	140

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55	Establishment of a Reverse Genetics System for Studying Human Bocavirus in Human Airway Epithelia. PLoS Pathogens, 2012, 8, e1002899.	2.1	137
56	Human distal lung maps and lineage hierarchies reveal a bipotent progenitor. Nature, 2022, 604, 111-119.	13.7	137
57	Nox2-containing NADPH oxidase and Akt activation play a key role in angiotensin II-induced cardiomyocyte hypertrophy. Physiological Genomics, 2006, 26, 180-191.	1.0	135
58	NADPH Oxidases Are Essential for Macrophage Differentiation. Journal of Biological Chemistry, 2016, 291, 20030-20041.	1.6	135
59	Adeno-associated virusâ€“targeted disruption of the CFTR gene in cloned ferrets. Journal of Clinical Investigation, 2008, 118, 1578-1583.	3.9	132
60	Redox modifier genes in amyotrophic lateral sclerosis in mice. Journal of Clinical Investigation, 2007, 117, 2913-2919.	3.9	131
61	Human distal airways contain a multipotent secretory cell that can regenerate alveoli. Nature, 2022, 604, 120-126.	13.7	128
62	Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size. Nature, 2018, 556, 370-375.	13.7	127
63	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. Journal of Virology, 2004, 78, 2863-2874.	1.5	124
64	Adeno-associated Virus (AAV) Serotypes Have Distinctive Interactions with Domains of the Cellular AAV Receptor. Journal of Virology, 2017, 91, .	1.5	119
65	Redox Gene Therapy Protects Human IB-3 Lung Epithelial Cells Against Ionizing Radiation-Induced Apoptosis. Human Gene Therapy, 1998, 9, 1381-1386.	1.4	116
66	Abnormal endocrine pancreas function at birth in cystic fibrosis ferrets. Journal of Clinical Investigation, 2012, 122, 3755-3768.	3.9	115
67	Cystic Fibrosis Transmembrane Conductance Regulatorâ€“associated ATP Release Is Controlled by a Chloride Sensor. Journal of Cell Biology, 1998, 143, 645-657.	2.3	114
68	New animal models of cystic fibrosis. Current Opinion in Pulmonary Medicine, 2011, 17, 478-483.	1.2	114
69	Gene Therapy for Cystic Fibrosis Using E1-Deleted Adenovirus: A Phase I Trial in the Nasal Cavity. University of North Carolina at Chapel Hill, Chapel Hill, North Carolina. Human Gene Therapy, 1994, 5, 615-639.	1.4	113
70	In utero and postnatal VX-770 administration rescues multiorgan disease in a ferret model of cystic fibrosis. Science Translational Medicine, 2019, 11, .	5.8	112
71	The draft genome sequence of the ferret (Mustela putorius furo) facilitates study of human respiratory disease. Nature Biotechnology, 2014, 32, 1250-1255.	9.4	110
72	Infection Is Not Required for Mucoinflammatory Lung Disease in CFTR-Knockout Ferrets. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1308-1318.	2.5	108

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73	Lipid Rafts and Caveolin-1 Coordinate Interleukin-1Î² (IL-1Î²)-dependent Activation of NFÎºB by Controlling Endocytosis of Nox2 and IL-1Î² Receptor 1 from the Plasma Membrane. Journal of Biological Chemistry, 2009, 284, 33255-33264.	1.6	104
74	Lung Phenotype of Juvenile and Adult Cystic Fibrosis Transmembrane Conductance Regulatorâ€“Knockout Ferrets. American Journal of Respiratory Cell and Molecular Biology, 2014, 50, 502-512.	1.4	103
75	Endosomal Nox2 Facilitates Redox-Dependent Induction of NF-ÎºB by TNF-Î±. Antioxidants and Redox Signaling, 2009, 11, 1249-1263.	2.5	102
76	Real-Time Monitoring of Insulin Using a Graphene Field-Effect Transistor Aptameric Nanosensor. ACS Applied Materials & Interfaces, 2017, 9, 27504-27511.	4.0	102
77	Stem Cell Niches in the Mouse Airway. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 649-652.	1.4	101
78	PITX2, Î²-catenin and LEF-1 interact to synergistically regulate the LEF-1 promoter. Journal of Cell Science, 2005, 118, 1129-1137.	1.2	101
79	Lysozyme Secretion by Submucosal Glands Protects the Airway from Bacterial Infection. American Journal of Respiratory Cell and Molecular Biology, 2005, 32, 548-552.	1.4	100
80	Genotypic analysis of respiratory mucous sulfation defects in cystic fibrosis.. Journal of Clinical Investigation, 1995, 96, 2997-3004.	3.9	97
81	Pancreatic pathophysiology in cystic fibrosis. Journal of Pathology, 2016, 238, 311-320.	2.1	96
82	Evidence for a Superoxide Permeability Pathway in Endosomal Membranes. Molecular and Cellular Biology, 2008, 28, 3700-3712.	1.1	94
83	Defective Innate Immunity and Hyperinflammation in Newborn Cystic Fibrosis Transmembrane Conductance Regulatorâ€“Knockout Ferret Lungs. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 683-694.	1.4	94
84	Submucosal Gland Myoepithelial Cells Are Reserve Stem Cells That Can Regenerate Mouse Tracheal Epithelium. Cell Stem Cell, 2018, 22, 653-667.e5.	5.2	94
85	Transfer of the CFTR Gene to the Lung of Nonhuman Primates with E1-Deleted, E2a-Defective Recombinant Adenoviruses: A Preclinical Toxicology Study. Human Gene Therapy, 1995, 6, 839-851.	1.4	92
86	Human cystic fibrosis transmembrane conductance regulator directed to respiratory epithelial cells of transgenic mice. Nature Genetics, 1992, 2, 13-20.	9.4	89
87	Structural Analysis of Adeno-Associated Virus Transduction Circular Intermediates. Virology, 1999, 261, 8-14.	1.1	89
88	Enhancement of Muscle Gene Delivery with Pseudotyped Adeno-Associated Virus Type 5 Correlates with Myoblast Differentiation. Journal of Virology, 2001, 75, 7662-7671.	1.5	89
89	Gene Therapy of Cystic Fibrosis Lung Disease Using E1 Deleted Adenoviruses: A Phase I Trial. University of Michigan, Ann Arbor, Michigan and University of Pennsylvania, Philadelphia, Pennsylvania. Human Gene Therapy, 1994, 5, 501-519.	1.4	87
90	Inverted Terminal Repeat Sequences Are Important for Intermolecular Recombination and Circularization of Adeno-Associated Virus Genomes. Journal of Virology, 2005, 79, 364-379.	1.5	87

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91	Control of Hepatic Nuclear Superoxide Production by Glucose 6-Phosphate Dehydrogenase and NADPH Oxidase-4. Journal of Biological Chemistry, 2011, 286, 8977-8987.	1.6	87
92	Overexpression of Human Superoxide Dismutase Inhibits Oxidation of Low-Density Lipoprotein by Endothelial Cells. Circulation Research, 1998, 82, 1289-1297.	2.0	86
93	Stem Cells in the Lung. Methods in Enzymology, 2006, 419, 285-321.	0.4	84
94	Molecular basis of defective anion transport in L cells expressing recombinant forms of CFTR. Human Molecular Genetics, 1993, 2, 1253-1261.	1.4	83
95	GPx-1 Gene Delivery Modulates NFÎºB Activation Following Diverse Environmental Injuries Through a Specific Subunit of the IKK Complex. Antioxidants and Redox Signaling, 2001, 3, 415-432.	2.5	82
96	The Basic Biology of Redoxosomes in Cytokine-Mediated Signal Transduction and Implications for Disease-Specific Therapies. Biochemistry, 2014, 53, 1551-1564.	1.2	81
97	Formation of Adeno-Associated Virus Circular Genomes Is Differentially Regulated by Adenovirus E4 ORF6 and E2a Gene Expression. Journal of Virology, 1999, 73, 161-169.	1.5	81
98	In vivo retroviral gene transfer into human bronchial epithelia of xenografts.. Journal of Clinical Investigation, 1992, 90, 2598-2607.	3.9	81
99	Rate Limiting Steps of AAV Transduction and Implications for Human Gene Therapy. Current Gene Therapy, 2001, 1, 137-147.	0.9	79
100	Bioelectric Properties of Chloride Channels in Human, Pig, Ferret, and Mouse Airway Epithelia. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 313-323.	1.4	78
101	Alsin and SOD1G93A Proteins Regulate Endosomal Reactive Oxygen Species Production by Glial Cells and Proinflammatory Pathways Responsible for Neurotoxicity. Journal of Biological Chemistry, 2011, 286, 40151-40162.	1.6	78
102	Comparative Biology of Cystic Fibrosis Animal Models. Methods in Molecular Biology, 2011, 742, 311-334.	0.4	78
103	A Mutation in the Srrm4 Gene Causes Alternative Splicing Defects and Deafness in the Bronx Waltzer Mouse. PLoS Genetics, 2012, 8, e1002966.	1.5	77
104	Abnormal Glucose Tolerance in Infants and Young Children with Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 974-980.	2.5	77
105	rAAV2 traffics through both the late and the recycling endosomes in a dose-dependent fashion. Molecular Therapy, 2006, 13, 671-682.	3.7	76
106	Subcellular site of superoxide dismutase expression differentially controls AP-1 activity and injury in mouse liver following ischemia/reperfusion. Hepatology, 2001, 33, 902-914.	3.6	73
107	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. Journal of Virology, 2003, 77, 7361-7366.	1.5	73
108	CFTR gene transfer with AAV improves early cystic fibrosis pig phenotypes. JCI Insight, 2016, 1, e88728.	2.3	72

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109	Advances in gene therapy for cystic fibrosis lung disease. Human Molecular Genetics, 2019, 28, R88-R94.	1.4	72
110	Current Status of Gene Therapy for Inherited Lung Diseases. Annual Review of Physiology, 2003, 65, 585-612.	5.6	71
111	Inhibition of Rac1-Derived Reactive Oxygen Species in Nucleus Tractus Solitarius Decreases Blood Pressure and Heart Rate in Stroke-Prone Spontaneously Hypertensive Rats. Hypertension, 2007, 50, 62-68.	1.3	71
112	The Glandular Stem/Progenitor Cell Niche in Airway Development and Repair. Proceedings of the American Thoracic Society, 2008, 5, 682-688.	3.5	71
113	Cellular heterogeneity of CFTR expression and function in the lung: implications for gene therapy of cystic fibrosis. European Journal of Human Genetics, 1998, 6, 12-31.	1.4	70
114	Stat3 confers resistance against hypoxia/reoxygenation-induced oxidative injury in hepatocytes through upregulation of Mn-SOD. Journal of Hepatology, 2004, 41, 957-965.	1.8	70
115	Animal and model systems for studying cystic fibrosis. Journal of Cystic Fibrosis, 2018, 17, S28-S34.	0.3	70
116	At least two mutant alleles of ornithine delta-aminotransferase cause gyrate atrophy of the choroid and retina in Finns.. Proceedings of the National Academy of Sciences of the United States of America, 1989, 86, 197-201.	3.3	69
117	PITX2 and Î²-Catenin Interactions Regulate Lef-1 Isoform Expression. Molecular and Cellular Biology, 2007, 27, 7560-7573.	1.1	69
118	Future Directions in Early Cystic Fibrosis Lung Disease Research. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 887-892.	2.5	68
119	IÎºBÎ± and IÎºBÎ² possess injury context-specific functions that uniquely influence hepatic NF-ÎºB induction and inflammation. Journal of Clinical Investigation, 2004, 113, 746-755.	3.9	68
120	Lef1 Transcription Factor Expression Defines Airway Progenitor Cell Targets for In Utero Gene Therapy of Submucosal Gland in Cystic Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 1998, 18, 750-758.	1.4	65
121	Redox-Mediated Gene Therapies for Environmental Injury: Approaches and Concepts. Antioxidants and Redox Signaling, 1999, 1, 5-27.	2.5	65
122	Endothelin-1 Stimulates Arterial VCAM-1 Expression Via NADPH Oxidase-Derived Superoxide in Mineralocorticoid Hypertension. Hypertension, 2003, 42, 997-1003.	1.3	65
123	Reconstitution of tracheal grafts with a genetically modified epithelium.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 11192-11196.	3.3	64
124	Effects of antioxidant enzyme overexpression on the invasive phenotype of hamster cheek pouch carcinoma cells. Free Radical Biology and Medicine, 1999, 27, 572-579.	1.3	64
125	Glycaemic regulation and insulin secretion are abnormal in cystic fibrosis pigs despite sparing of islet cell mass. Clinical Science, 2015, 128, 131-142.	1.8	64
126	Temporal pattern of NFÎºB activation influences apoptotic cell fate in a stimuli-dependent fashion. Journal of Cell Science, 2002, 115, 4843-4853.	1.2	63

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127	Gastrointestinal Pathology in Juvenile and Adult CFTR-Knockout Ferrets. American Journal of Pathology, 2014, 184, 1309-1322.	1.9	63
128	Syntaxin 1A is expressed in airway epithelial cells, where it modulates CFTR Clâ€“ currents. Journal of Clinical Investigation, 2000, 105, 377-386.	3.9	63
129	A Novel Chimeric Adenoassociated Virus 2/Human Bocavirus 1 Parvovirus Vector Efficiently Transduces Human Airway Epithelia. Molecular Therapy, 2013, 21, 2181-2194.	3.7	62
130	PyMINEr Finds Gene and Autocrine-Paracrine Networks from Human Islet scRNA-Seq. Cell Reports, 2019, 26, 1951-1964.e8.	2.9	61
131	CFTR Influences Beta Cell Function and Insulin Secretion Through Non-Cell Autonomous Exocrine-Derived Factors. Endocrinology, 2017, 158, 3325-3338.	1.4	59
132	Epithelial Sodium Channels Regulate Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channels in XenopusOocytes. Journal of Biological Chemistry, 2000, 275, 13266-13274.	1.6	58
133	Sox2 and Lef-1 interact with Pitx2 to regulate incisor development and stem cell renewal. Development (Cambridge), 2016, 143, 4115-4126.	1.2	58
134	Two Independent Molecular Pathways for Recombinant Adeno-Associated Virus Genome Conversion Occur after UV-C and E4orf6 Augmentation of Transduction. Human Gene Therapy, 1999, 10, 591-602.	1.4	57
135	Ferret and Pig Models of Cystic Fibrosis: Prospects and Promise for Gene Therapy. Human Gene Therapy Clinical Development, 2015, 26, 38-49.	3.2	57
136	Structural and functional heterogeneity of integrated recombinant AAV genomes. Virus Research, 1997, 48, 41-56.	1.1	56
137	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. Human Gene Therapy, 2005, 16, 1116-1123.	1.4	55
138	Endosomal NADPH oxidase regulates c-Src activation following hypoxia/reoxygenation injury. Biochemical Journal, 2008, 411, 531-541.	1.7	55
139	Replication of an Autonomous Human Parvovirus in Non-dividing Human Airway Epithelium Is Facilitated through the DNA Damage and Repair Pathways. PLoS Pathogens, 2016, 12, e1005399.	2.1	54
140	In VitroModeling of Human Bocavirus 1 Infection of Polarized Primary Human Airway Epithelia. Journal of Virology, 2013, 87, 4097-4102.	1.5	53
141	Consequences of DNA-Dependent Protein Kinase Catalytic Subunit Deficiency on Recombinant Adeno-Associated Virus Genome Circularization and Heterodimerization in Muscle Tissue. Journal of Virology, 2003, 77, 4751-4759.	1.5	52
142	Wnt3a regulates Lef-1 expression during airway submucosal gland morphogenesis. Developmental Biology, 2007, 305, 90-102.	0.9	52
143	Loss of ATM Function Enhances Recombinant Adeno-Associated Virus Transduction and Integration through Pathways Similar to UV Irradiation. Virology, 2000, 268, 68-78.	1.1	51
144	Genetic redox preconditioning differentially modulates AP-1 and NFÎºB responses following cardiac ischemia/reperfusion injury and protects against necrosis and apoptosis. Molecular Therapy, 2003, 7, 341-353.	3.7	51

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145	Nonstructural Protein NP1 of Human Bocavirus 1 Plays a Critical Role in the Expression of Viral Capsid Proteins. Journal of Virology, 2016, 90, 4658-4669.	1.5	50
146	Dual Reporter Comparative Indexing of rAAV Pseudotyped Vectors in Chimpanzee Airway. Molecular Therapy, 2010, 18, 594-600.	3.7	49
147	Optimization of Recombinant Adeno-Associated Virus-Mediated Expression for Large Transgenes, Using a Synthetic Promoter and Tandem Array Enhancers. Human Gene Therapy, 2015, 26, 334-346.	1.4	49
148	v-Ha-ras mitogenic signaling through superoxide and derived reactive oxygen species. Molecular Carcinogenesis, 2002, 33, 206-218.	1.3	48
149	Airway Glandular Development and Stem Cells. Current Topics in Developmental Biology, 2004, 64, 33-56.	1.0	48
150	Depletion of Airway Submucosal Glands and TP63⁺KRT5⁺ Basal Cells in Obliterative Bronchiolitis. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1045-1057.	2.5	47
151	Superoxide Anions and Endothelial Cell Proliferation in Normoglycemia and Hyperglycemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 195-200.	1.1	46
152	Dual Therapeutic Utility of Proteasome Modulating Agents for Pharmaco-gene Therapy of the Cystic Fibrosis Airway. Molecular Therapy, 2004, 10, 990-1002.	3.7	46
153	Identification and Functional Analysis of Novel Nonstructural Proteins of Human Bocavirus 1. Journal of Virology, 2015, 89, 10097-10109.	1.5	46
154	New Models of the Tracheal Airway Define the Glandular Contribution to Airway Surface Fluid and Electrolyte Composition. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 195-202.	1.4	45
155	Unique Biologic Properties of Recombinant AAV1 Transduction in Polarized Human Airway Epithelia. Journal of Biological Chemistry, 2006, 281, 29684-29692.	1.6	43
156	Species-Specific Differences in Mouse and Human Airway Epithelial Biology of Recombinant Adeno-Associated Virus Transduction. American Journal of Respiratory Cell and Molecular Biology, 2006, 34, 56-64.	1.4	42
157	Comparative biology of rAAV transduction in ferret, pig and human airway epithelia. Gene Therapy, 2007, 14, 1543-1548.	2.3	42
158	Aggressive melanoma cells escape from BMP7-mediated autocrine growth inhibition through coordinated Noggin upregulation. Laboratory Investigation, 2008, 88, 842-855.	1.7	41
159	Proteomic Analysis of Pure Human Airway Gland Mucus Reveals a Large Component of Protective Proteins. PLoS ONE, 2015, 10, e0116756.	1.1	41
160	CGRP induction in cystic fibrosis airways alters the submucosal gland progenitor cell niche in mice. Journal of Clinical Investigation, 2011, 121, 3144-3158.	3.9	40
161	Hepatocytes produce TNF-Î± following hypoxia-reoxygenation and liver ischemia-reperfusion in a NADPH oxidase- and c-Src-dependent manner. American Journal of Physiology - Renal Physiology, 2013, 305, G84-G94.	1.6	40
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