Joseph Zabner

List of Publications by Year
in descending order

202 papers	20,182 citations	10956 71 h-index	11288 136 g-index
208 all docs	208 docs citations	208 times ranked	16746 citing authors

#	Article	IF	Citations
1	Urban Particulate Matter Impairment of Airway Surface Liquidâ€“Mediated Coronavirus Inactivation. Journal of Infectious Diseases, 2022, 225, 214-218.	1.9	4
2	Effects of Tham Nasal Alkalinization on Airway Microbial Communities: A Pilot Study in Non-CF and CF Adults. Annals of Otology, Rhinology and Laryngology, 2022, 131, 1013-1020.	0.6	1
3	A Single-Cell Atlas of Large and Small Airways at Birth in a Porcine Model of Cystic Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 612-622.	1.4	11
4	Quantitative Chest CT Assessment of Small Airways Disease in Post-Acute SARS-CoV-2 Infection. Radiology, 2022, 304, 185-192.	3.6	57
5	FXYD3 increases Na ⁺ transport across human airway epithelia. FASEB Journal, 2022, 36, .	0.2	0
6	Vitamin D-mediated effects on airway innate immunity in vitro. PLoS ONE, 2022, 17, e0269647.	1.1	4
7	V-Type ATPase Mediates Airway Surface Liquid Acidification in Pig Small Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 146-156.	1.4	10
8	Transduction of Pig Small Airway Epithelial Cells and Distal Lung Progenitor Cells by AAV4. Cells, 2021, 10, 1014.	1.8	4
9	Indoor Air Pollution and Susceptibility to Tuberculosis Infection in Urban Vietnamese Children. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 1211-1221.	2.5	14
10	Randomized controlled study of aerosolized hypertonic xylitol versus hypertonic saline in hospitalized patients with pulmonary exacerbation of cystic fibrosis. Journal of Cystic Fibrosis, 2020, 19, 108-113.	0.3	10
11	Cystic fibrosis carriers are at increased risk for a wide range of cystic fibrosis-related conditions. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1621-1627.	3.3	111
12	Residential urban tree canopy is associated with decreased mortality during tuberculosis treatment in California. Science of the Total Environment, 2020, 711, 134580.	3.9	8
13	Seasonal Antimicrobial Activity of the Airway: Post-Hoc Analysis of a Randomized Placebo-Controlled Double-Blind Trial. Nutrients, 2020, 12, 2602.	1.7	5
14	Continuous in-home PM2.5 concentrations of smokers with and without a history of respiratory exacerbations in Iowa, during and after an air purifier intervention. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 778-784.	1.8	2
15	A Novel AAV-mediated Gene Delivery System Corrects CFTR Function in Pigs. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 747-754.	1.4	31
16	Single-molecule long-read sequencing reveals the chromatin basis of gene expression. Genome Research, 2019, 29, 1329-1342.	2.4	46
17	Giants in Chest Medicine: Donald C. Zavala, MD, FCCP. Chest, 2019, 155, 659-661.	0.4	0
18	Polarized AAVR expression determines infectivity by AAV gene therapy vectors. Gene Therapy, 2019, 26, 240-249.	2.3	19

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19	Indoor Particulate Matter From Smoker Homes Induces Bacterial Growth, Biofilm Formation, and Impairs Airway Antimicrobial Activity. A Pilot Study. Frontiers in Public Health, 2019, 7, 418.	1.3	7
20	HSP90 inhibitor geldanamycin reverts IL-13â€“ and IL-17â€“induced airway goblet cell metaplasia. Journal of Clinical Investigation, 2019, 129, 744-758.	3.9	42
21	Airway surface liquid from smokers promotes bacterial growth and biofilm formation via iron-lactoferrin imbalance. Respiratory Research, 2018, 19, 42.	1.4	24
22	The Effects of Timed Light Exposure in Critically Ill Patients: A Randomized Controlled Pilot Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 275-278.	2.5	12
23	Nominal carbonic anhydrase activity minimizes airway-surface liquid pH changes during breathing. Physiological Reports, 2018, 6, e13569.	0.7	10
24	Chest wall strapping increases expiratory airflow and detectable airway segments in computer tomographic scans of normal and obstructed lungs. Journal of Applied Physiology, 2018, 124, 1186-1193.	1.2	5
25	Development of a polarized pancreatic ductular cell epithelium for physiological studies. Journal of Applied Physiology, 2018, 125, 97-106.	1.2	10
26	Ivacaftor-induced sweat chloride reductions correlate with increases in airway surface liquid pH in cystic fibrosis. JCI Insight, 2018, 3, .	2.3	20
27	Postnatal airway growth in cystic fibrosis piglets. Journal of Applied Physiology, 2017, 123, 526-533.	1.2	6
28	Cystic Fibrosis Transmembrane Conductance Regulator Potentiation as a Therapeutic Strategy for Pulmonary Edema. Critical Care Medicine, 2017, 45, e1240-e1246.	0.4	9
29	Higher BMI is associated with higher expiratory airflow normalised for lung volume (FEF25â€“75/FVC) in COPD. BMJ Open Respiratory Research, 2017, 4, e000231.	1.2	18
30	Effect of vitamin D _₃ on the antimicrobial activity of human airway surface liquid: preliminary results of a randomised placebo-controlled double-blind trial. BMJ Open Respiratory Research, 2017, 4, e000211.	1.2	40
31	Fatal HBoV-1 infection in adult female cystic fibrosis patient. Human Pathology: Case Reports, 2017, 7, 51-52.	0.2	3
32	Effects of Coal Fly Ash Particulate Matter on the Antimicrobial Activity of Airway Surface Liquid. Environmental Health Perspectives, 2017, 125, 077003.	2.8	30
33	CFTR gene transfer with AAV improves early cystic fibrosis pig phenotypes. JCI Insight, 2016, 1, e88728.	2.3	72
34	Newborn Cystic Fibrosis Pigs Have a Blunted Early Response to an Inflammatory Stimulus. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 845-854.	2.5	32
35	Protein Kinase CÎ¶ Inhibitor Promotes Resolution of Bleomycin-Induced Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 869-877.	1.4	5
36	Whole exome sequencing identifies novel candidate genes that modify chronic obstructive pulmonary disease susceptibility. Human Genomics, 2016, 10, 1.	1.4	29

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37	Electrolyte transport properties in distal small airways from cystic fibrosis pigs with implications for host defense. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L670-L679.	1.3	44
38	Airway acidification initiates host defense abnormalities in cystic fibrosis mice. Science, 2016, 351, 503-507.	6.0	254
39	Loss of carbonic anhydrase XII function in individuals with elevated sweat chloride concentration and pulmonary airway disease. Human Molecular Genetics, 2016, 25, 1923-1933.	1.4	32
40	Repurposing tromethamine as inhaled therapy to treat CF airway disease. JCI Insight, 2016, 1, .	2.3	22
41	Precision Genomic Medicine in Cystic Fibrosis. Clinical and Translational Science, 2015, 8, 606-610.	1.5	24
42	Starting a Lung Transplant Program. Chest, 2015, 147, 1435-1443.	0.4	15
43	Medical reversal of chronic sinusitis in a cystic fibrosis patient with ivacaftor. International Forum of Allergy and Rhinology, 2015, 5, 178-181.	1.5	38
44	Aggregates of mutant CFTR fragments in airway epithelial cells of CF lungs: New pathologic observations. Journal of Cystic Fibrosis, 2015, 14, 182-193.	0.3	14
45	Characterization of fusion genes and the significantly expressed fusion isoforms in breast cancer by hybrid sequencing. Nucleic Acids Research, 2015, 43, e116-e116.	6.5	104
46	Mitochondrial-Targeted Antioxidant Therapy Decreases Transforming Growth Factor-Î²â€“Mediated Collagen Production in a Murine Asthma Model. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 106-115.	1.4	76
47	pH modulates the activity and synergism of the airway surface liquid antimicrobials Î²-defensin-3 and LL-37. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18703-18708.	3.3	164
48	Iron oxide nanoparticles induce Pseudomonas aeruginosa growth, induce biofilm formation, and inhibit antimicrobial peptide function. Environmental Science: Nano, 2014, 1, 123.	2.2	96
49	Impaired mucus detachment disrupts mucociliary transport in a piglet model of cystic fibrosis. Science, 2014, 345, 818-822.	6.0	332
50	Neonates with cystic fibrosis have a reduced nasal liquid pH; A small pilot study. Journal of Cystic Fibrosis, 2014, 13, 373-377.	0.3	70
51	Role of PON in Anoxia-Reoxygenation Injury: A Drosophila Melanogaster Transgenic Model. PLoS ONE, 2014, 9, e84434.	1.1	6
52	Adenoviral Gene Transfer Corrects the Ion Transport Defect in the Sinus Epithelia of a Porcine CF Model. Molecular Therapy, 2013, 21, 947-953.	3.7	23
53	Protein composition of bronchoalveolar lavage fluid and airway surface liquid from newborn pigs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L256-L266.	1.3	33
54	Abundant DNase I-Sensitive Bacterial DNA in Healthy Porcine Lungs and Its Implications for the Lung Microbiome. Applied and Environmental Microbiology, 2013, 79, 5936-5941.	1.4	38

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55	CaMKII Is Essential for the Proasthmatic Effects of Oxidation. Science Translational Medicine, 2013, 5, 195ra97.	5.8	54
56	Coal Fly Ash Impairs Airway Antimicrobial Peptides and Increases Bacterial Growth. PLoS ONE, 2013, 8, e57673.	1.1	27
57	Transepithelial migration of neutrophils into the lung requires TREM-1. Journal of Clinical Investigation, 2013, 123, 138-149.	3.9	130
58	Intestinal CFTR expression alleviates meconium ileus in cystic fibrosis pigs. Journal of Clinical Investigation, 2013, 123, 2685-2693.	3.9	109
59	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.	1.1	22
60	In Situ Quantification of Glucose Concentration in Airway Surface Liquid With Functionalized ZnO Nanorod-Coated Microelectrodes. Journal of Analytical & Bioanalytical Techniques, 2013, S7, .	0.6	4
61	Safety assessment of nebulized xylitol in beagle dogs. Inhalation Toxicology, 2012, 24, 365-372.	0.8	5
62	Sinus hypoplasia precedes sinus infection in a porcine model of cystic fibrosis. Laryngoscope, 2012, 122, 1898-1905.	1.1	61
63	Reduced airway surface pH impairs bacterial killing in the porcine cystic fibrosis lung. Nature, 2012, 487, 109-113.	13.7	691
64	Expression of Human Paraoxonase 1 Decreases Superoxide Levels and Alters Bacterial Colonization in the Gut of Drosophila melanogaster. PLoS ONE, 2012, 7, e43777.	1.1	12
65	CFTR is required for maximal transepithelial liquid transport in pig alveolar epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L152-L160.	1.3	31
66	Hoechst increases adenoâ€associated virusâ€mediated transgene expression in airway epithelia by inducing the cytomegalovirus promoter. Journal of Gene Medicine, 2012, 14, 366-373.	1.4	6
67	Requirements for ion and solute transport, and pH regulation during enamel maturation. Journal of Cellular Physiology, 2012, 227, 1776-1785.	2.0	76
68	Concentration of the antibacterial precursor thiocyanate in cystic fibrosis airway secretions. Free Radical Biology and Medicine, 2011, 50, 1144-1150.	1.3	64
69	Do Cell Junction Protein Mutations Cause an Airway Phenotype in Mice or Humans?. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 202-220.	1.4	6
70	Human cystic fibrosis airway epithelia have reduced Cl- conductance but not increased Na+ conductance. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10260-10265.	3.3	110
71	Enhanced Sialic Acid-Dependent Endocytosis Explains the Increased Efficiency of Infection of Airway Epithelia by a Novel Adeno-Associated Virus. Journal of Virology, 2011, 85, 9023-9030.	1.5	23
72	Enamel Pathology Resulting from Loss of Function in the Cystic Fibrosis Transmembrane Conductance Regulator in a Porcine Animal Model. Cells Tissues Organs, 2011, 194, 249-254.	1.3	17

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73	The Î” F508 Mutation Causes CFTR Misprocessing and Cystic Fibrosisâ€“Like Disease in Pigs. Science Translational Medicine, 2011, 3, 74ra24.	5.8	178
74	The air-liquid interface and use of primary cell cultures are important to recapitulate the transcriptional profile of in vivo airway epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L25-L31.	1.3	297
75	Glucose Depletion in the Airway Surface Liquid Is Essential for Sterility of the Airways. PLoS ONE, 2011, 6, e16166.	1.1	99
76	Tryptase Does Not Alter Transepithelial Conductance or Paracellular Permeability in Human Airway Epithelial Cells. American Journal of Rhinology and Allergy, 2010, 24, 126-128.	1.0	3
77	Cystic Fibrosis Pigs Develop Lung Disease and Exhibit Defective Bacterial Eradication at Birth. Science Translational Medicine, 2010, 2, 29ra31.	5.8	416
78	Adenovirus 5â€“Fiber 35 Chimeric Vector Mediates Efficient Apical Correction of the Cystic Fibrosis Transmembrane Conductance Regulator Defect in Cystic Fibrosis Primary Airway Epithelia. Human Gene Therapy, 2010, 21, 251-269.	1.4	20
79	Pigs and humans with cystic fibrosis have reduced insulin-like growth factor 1 (IGF1) levels at birth. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 20571-20575.	3.3	101
80	Loss of Cystic Fibrosis Transmembrane Conductance Regulator Function Produces Abnormalities in Tracheal Development in Neonatal Pigs and Young Children. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1251-1261.	2.5	185
81	Loss of Anion Transport without Increased Sodium Absorption Characterizes Newborn Porcine Cystic Fibrosis Airway Epithelia. Cell, 2010, 143, 911-923.	13.5	218
82	Isoform-Specific Regulation and Localization of the Coxsackie and Adenovirus Receptor in Human Airway Epithelia. PLoS ONE, 2010, 5, e9909.	1.1	59
83	MMP9 modulates tight junction integrity and cell viability in human airway epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 296, L751-L762.	1.3	124
84	Directed evolution of adeno-associated virus to an infectious respiratory virus. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3865-3870.	3.3	149
85	A Common Mutation in Paraoxonase-2 Results in Impaired Lactonase Activity. Journal of Biological Chemistry, 2009, 284, 35564-35571.	1.6	51
86	Patterns and density of early tracheal colonization in intensive care unit patients. Journal of Critical Care, 2009, 24, 114-121.	1.0	35
87	Airway epithelia regulate airway surface liquid glucose concentration. FASEB Journal, 2009, 23, .	0.2	2
88	Human PON2 S311C polymorphism impairs airway epithelia 3OC12â€HSL inactivation and alters PON2 glycosylation. FASEB Journal, 2009, 23, LB271.	0.2	0
89	Disruption of the CFTR Gene Produces a Model of Cystic Fibrosis in Newborn Pigs. Science, 2008, 321, 1837-1841.	6.0	686
90	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

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91	Reovirus Preferentially Infects the Basolateral Surface and Is Released from the Apical Surface of Polarized Human Respiratory Epithelial Cells. Journal of Infectious Diseases, 2008, 197, 1189-1197.	1.9	56
92	Drosophila are protected from Pseudomonas aeruginosa lethality by transgenic expression of paraoxonase-1. Journal of Clinical Investigation, 2008, 118, 3123-3131.	3.9	74
93	Spliceform specific Coxsackieâ€adenovirus receptor interactions. FASEB Journal, 2008, 22, 320.1.	0.2	0
94	Functional Effects of Coxsackievirus and Adenovirus Receptor Glycosylation on Homophilic Adhesion and Adenoviral Infection. Journal of Virology, 2007, 81, 5573-5578.	1.5	35
95	Vaccinia Virus Entry, Exit, and Interaction with Differentiated Human Airway Epithelia. Journal of Virology, 2007, 81, 13278-13278.	1.5	0
96	Paraoxonase-2 deficiency enhancesPseudomonas aeruginosaquorum sensing in murine tracheal epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 292, L852-L860.	1.3	130
97	A Novel Host Defense System of Airways Is Defective in Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 174-183.	2.5	260
98	Cellular Localization and Activity of Ad-Delivered GFP-CFTR in Airway Epithelial and Tracheal Cells. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 631-639.	1.4	19
99	Vaccinia Virus Entry, Exit, and Interaction with Differentiated Human Airway Epithelia. Journal of Virology, 2007, 81, 9891-9899.	1.5	30
100	Upregulation of pirin expression by chronic cigarette smoking is associated with bronchial epithelial cell apoptosis. Respiratory Research, 2007, 8, 10.	1.4	56
101	Safety assessment of inhaled xylitol in subjects with cystic fibrosis. Journal of Cystic Fibrosis, 2007, 6, 31-34.	0.3	22
102	Bronchoscopic assessment of airway retention time of aerosolized xylitol. Respiratory Research, 2006, 7, 27.	1.4	8
103	The Coxsackievirus and Adenovirus Receptor: A new adhesion protein in cochlear development. Hearing Research, 2006, 215, 1-9.	0.9	28
104	Canine Adenovirus Vectors for Lung-Directed Gene Transfer: Efficacy, Immune Response, and Duration of Transgene Expression Using Helper-Dependent Vectors. Journal of Virology, 2006, 80, 1487-1496.	1.5	34
105	Differentiation of human airway epithelia is dependent on erbB2. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 291, L175-L180.	1.3	45
106	Adeno-Associated Virus Types 5 and 6 Use Distinct Receptors for Cell Entry. Human Gene Therapy, 2006, 17, 10-19.	1.4	81
107	erbB1 Functions as a Sensor of Airway Epithelial Integrity by Regulation of Protein Phosphatase 2A Activity. Journal of Biological Chemistry, 2006, 281, 1725-1730.	1.6	14
108	Human and murine paraoxonase 1 are host modulators of Pseudomonas aeruginosa quorum-sensing. FEMS Microbiology Letters, 2005, 253, 29-37.	0.7	196

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109	CFTR Î”F508 mutation has minimal effect on the gene expression profile of differentiated human airway epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L545-L553.	1.3	37
110	Gene transfer of CFTR to airway epithelia: low levels of expression are sufficient to correct Clâ¯transport and overexpression can generate basolateral CFTR. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L1123-L1130.	1.3	116
111	Interdependency of Î²-Adrenergic Receptors and CFTR in Regulation of Alveolar Active Na + Transport. Circulation Research, 2005, 96, 999-1005.	2.0	77
112	Bronchoscopic imaging of pulmonary mucosal vasculature responses to inflammatory mediators. Journal of Biomedical Optics, 2005, 10, 034013.	1.4	21
113	The Role of the Extracellular Domain in the Biology of the Coxsackievirus and Adenovirus Receptor. American Journal of Respiratory Cell and Molecular Biology, 2005, 32, 498-503.	1.4	27
114	A shortened adeno-associated virus expression cassette for CFTR gene transfer to cystic fibrosis airway epithelia. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2952-2957.	3.3	86
115	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
116	Practical reconstruction method for bioluminescence tomography. Optics Express, 2005, 13, 6756.	1.7	299
117	Adeno-Associated Virus Types 5 and 6 Use Distinct Receptors for Cell Entry. Human Gene Therapy, 2005, .	1.4	0
118	The CCT Promoter Directs High-Level Transgene Expression in Distal Lung Epithelial Cell Lines. American Journal of Respiratory Cell and Molecular Biology, 2004, 30, 61-68.	1.4	8
119	A role for the PDZ-binding domain of the coxsackie B virus and adenovirus receptor (CAR) in cell adhesion and growth. Journal of Cell Science, 2004, 117, 4401-4409.	1.2	93
120	Adenovirus-Mediated Erythropoietin Production by Airway Epithelia Is Enhanced by Apical Localization of the Coxsackieâ€“Adenovirus Receptor in Vivo. Molecular Therapy, 2004, 10, 500-506.	3.7	9
121	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
122	Structure of Adeno-Associated Virus Serotype 5. Journal of Virology, 2004, 78, 3361-3371.	1.5	104
123	Xylitol Enhances Bacterial Killing in the Rabbit Maxillary Sinus. Laryngoscope, 2004, 114, 2021-2024.	1.1	34
124	Safety assessment of inhaled xylitol in mice and healthy volunteers. Respiratory Research, 2004, 5, 13.	1.4	24
125	Differential expression of sheep beta-defensin-1 and -2 and interleukin 8 during acute Mannheimia haemolytica pneumonia. Microbial Pathogenesis, 2004, 37, 21-27.	1.3	33
126	From The Cover: Inactivation of a Pseudomonas aeruginosa quorum-sensing signal by human airway epithelia. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3587-3590.	3.3	266

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127	Large-scale gene discovery in human airway epithelia reveals novel transcripts. Physiological Genomics, 2004, 17, 69-77.	1.0	23
128	Role of f-box factor foxj1 in differentiation of ciliated airway epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L650-L657.	1.3	185
129	Segregation of receptor and ligand regulates activation of epithelial growth factor receptor. Nature, 2003, 422, 322-326.	13.7	348
130	The indirect effect of Tityus discrepans on rabbit pulmonary vasculature. Respiratory Physiology and Neurobiology, 2003, 134, 33-41.	0.7	9
131	Foxj1 is required for apical localization of ezrin in airway epithelial cells. Journal of Cell Science, 2003, 116, 4935-4945.	1.2	90
132	The Coxsackie B Virus and Adenovirus Receptor Resides in a Distinct Membrane Microdomain. Journal of Virology, 2003, 77, 2559-2567.	1.5	52
133	Development of cystic fibrosis and noncystic fibrosis airway cell lines. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 284, L844-L854.	1.3	159
134	Interleukin-9 Induces Goblet Cell Hyperplasia during Repair of Human Airway Epithelia. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 286-295.	1.4	97
135	Histamine Decreases E-Cadherin-Based Adhesion To Increase Permeability of Human Airway Epithelium. Chest, 2003, 123, 385S.	0.4	26
136	Histamine alters E-cadherin cell adhesion to increase human airway epithelial permeability. Journal of Applied Physiology, 2003, 95, 394-401.	1.2	47
137	CFTR with a partially deleted R domain corrects the cystic fibrosis chloride transport defect in human airway epithelia in vitro and in mouse nasal mucosa in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3093-3098.	3.3	51
138	Inflammatory Response in Airway Epithelial Cells Isolated from Patients with Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 1248-1256.	2.5	115
139	An In Vitro Model of Differentiated Human Airway Epithelia: Methods for Establishing Primary Cultures. , 2002, 188, 115-137.		284
140	Bronchoalveolar Fluid Is Not a Major Hindrance to Virus-Mediated Gene Therapy in Cystic Fibrosis. Journal of Virology, 2002, 76, 10437-10443.	1.5	8
141	Secreted and Transmembrane Mucins Inhibit Gene Transfer with AAV4 More Efficiently than AAV5. Journal of Biological Chemistry, 2002, 277, 23709-23713.	1.6	68
142	[28] Gene transfer to airway epithelia using feline immunodeficiency virus-based lentivirus vectors. Methods in Enzymology, 2002, 346, 500-514.	0.4	3
143	Thixotropic Solutions Enhance Viral-Mediated Gene Transfer to Airway Epithelia. American Journal of Respiratory Cell and Molecular Biology, 2002, 27, 133-140.	1.4	25
144	Adenovirus Fiber Disrupts CAR-Mediated Intercellular Adhesion Allowing Virus Escape. Cell, 2002, 110, 789-799.	13.5	335

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145	The Effects of Fluticasone Propionate on Nasal Epithelial Potential Difference. American Journal of Rhinology & Allergy, 2002, 16, 145-149.	2.3	6
146	DNA transfection of macaque and murine respiratory tissue is greatly enhanced by use of a nuclease inhibitor. Journal of Gene Medicine, 2002, 4, 323-322.	1.4	37
147	Laser fluorescence bronchoscopy for detection of fluorescent reporter genes in airway epithelia. Gene Therapy, 2002, 9, 1639-1644.	2.3	5
148	Color analysis of the human airway wall. , 2002, , .		0
149	The effects of fluticasone propionate on nasal epithelial potential difference. American Journal of Rhinology & Allergy, 2002, 16, 145-9.	2.3	1
150	Adeno-Associated Virus Serotype 4 (AAV4) and AAV5 Both Require Sialic Acid Binding for Hemagglutination and Efficient Transduction but Differ in Sialic Acid Linkage Specificity. Journal of Virology, 2001, 75, 6884-6893.	1.5	370
151	Adenovirus Calcium Phosphate Coprecipitates Enhance Squamous Cell Carcinoma Gene Transfer. Laryngoscope, 2001, 111, 1290-1296.	1.1	3
152	Lectin binding and endocytosis at the apical surface of human airway epithelia. Gene Therapy, 2001, 8, 1826-1832.	2.3	31
153	Binding of Adeno-associated Virus Type 5 to 2,3-Linked Sialic Acid Is Required for Gene Transfer. Journal of Biological Chemistry, 2001, 276, 20610-20616.	1.6	304
154	Apical Localization of the Coxsackie-Adenovirus Receptor by Glycosyl-Phosphatidylinositol Modification Is Sufficient for Adenovirus-Mediated Gene Transfer through the Apical Surface of Human Airway Epithelia. Journal of Virology, 2001, 75, 7703-7711.	1.5	46
155	Expression of the Complement Anaphylatoxin C3a and C5a Receptors on Bronchial Epithelial and Smooth Muscle Cells in Models of Sepsis and Asthma. Journal of Immunology, 2001, 166, 2025-2032.	0.4	189
156	TLR4 mutations are associated with endotoxin hyporesponsiveness in humans. Nature Genetics, 2000, 25, 187-191.	9.4	1,867
157	Calcium phosphate precipitates augment adenovirus-mediated gene transfer to blood vessels in vitro and in vivo. Gene Therapy, 2000, 7, 1284-1291.	2.3	35
158	The osmolyte xylitol reduces the salt concentration of airway surface liquid and may enhance bacterial killing. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11614-11619.	3.3	111
159	Effect of Topical Nasal Pharmaceuticals on Sodium and Chloride Transport by Human Airway Epithelia. American Journal of Rhinology & Allergy, 2000, 14, 405-410.	2.3	15
160	Increasing Epithelial Junction Permeability Enhances Gene Transfer to Airway Epithelia In Vivo. American Journal of Respiratory Cell and Molecular Biology, 2000, 22, 129-138.	1.4	138
161	Adeno-Associated Virus Type 5 (AAV5) but Not AAV2 Binds to the Apical Surfaces of Airway Epithelia and Facilitates Gene Transfer. Journal of Virology, 2000, 74, 3852-3858.	1.5	297
162	Targeting the urokinase plasminogen activator receptor enhances gene transfer to human airway epithelia. Journal of Clinical Investigation, 2000, 105, 589-596.	3.9	59

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163	Efficient killing of inhaled bacteria in Î”F508 mice: role of airway surface liquid composition. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L183-L190.	1.3	34
164	Activity of Abundant Antimicrobials of the Human Airway. American Journal of Respiratory Cell and Molecular Biology, 1999, 20, 872-879.	1.4	211
165	Delivery of an Adenovirus Vector in a Calcium Phosphate Coprecipitate Enhances the Therapeutic Index of Gene Transfer to Airway Epithelia. Human Gene Therapy, 1999, 10, 603-613.	1.4	42
166	Cationic Lipid Mediated Gene Transfer of CFTR: Safety of a Single Administration to the Nasal Epithelia. Human Gene Therapy, 1999, 10, 1559-1572.	1.4	3
167	Basolateral Localization of Fiber Receptors Limits Adenovirus Infection from the Apical Surface of Airway Epithelia. Journal of Biological Chemistry, 1999, 274, 10219-10226.	1.6	326
168	Engineering Novel Cell Surface Receptors for Virus-mediated Gene Transfer. Journal of Biological Chemistry, 1999, 274, 21878-21884.	1.6	81
169	Keratinocyte growth factor induced epithelial proliferation facilitates retroviralâ€“mediated gene transfer to distal lung epitheliain vivo. Journal of Gene Medicine, 1999, 1, 22-30.	1.4	7
170	Modification of an Adenoviral Vector with Biologically Selected Peptides: A Novel Strategy for Gene Delivery to Cells of Choice. Human Gene Therapy, 1999, 10, 2615-2626.	1.4	128
171	Absence of amiloride-sensitive sodium absorption in the airway of an infant with pseudohypoaldosteronism. Journal of Pediatrics, 1999, 135, 786-789.	0.9	21
172	Sequential magnetic resonance imaging analysis of the maxillary sinuses: implications for a model of gene therapy in cystic fibrosis. Journal of Laryngology and Otology, 1999, 113, 329-335.	0.4	15
173	Keratinocyte growth factor induced epithelial proliferation facilitates retroviralâ€“mediated gene transfer to distal lung epithelia in vivo. Journal of Gene Medicine, 1999, 1, 22-30.	1.4	23
174	A Chimeric Type 2 Adenovirus Vector with a Type 17 Fiber Enhances Gene Transfer to Human Airway Epithelia. Journal of Virology, 1999, 73, 8689-8695.	1.5	71
175	Group D Adenoviruses Infect Primary Central Nervous System Cells More Efficiently than Those from Group C. Journal of Virology, 1999, 73, 2537-2540.	1.5	75
176	E4ORF3 Requirement for Achieving Long-Term Transgene Expression from the Cytomegalovirus Promoter in Adenovirus Vectors. Journal of Virology, 1999, 73, 7031-7034.	1.5	37
177	Feline immunodeficiency virus vectors persistently transduce nondividing airway epithelia and correct the cystic fibrosis defect. Journal of Clinical Investigation, 1999, 104, R55-R62.	3.9	150
178	Loss of CFTR Chloride Channels Alters Salt Absorption by Cystic Fibrosis Airway Epithelia In Vitro. Molecular Cell, 1998, 2, 397-403.	4.5	227
179	Incorporation of adenovirus in calcium phosphate precipitates enhances gene transfer to airway epithelia in vitro and in vivo.. Journal of Clinical Investigation, 1998, 102, 184-193.	3.9	137
180	Augmentation of lung liquid clearance via adenovirus-mediated transfer of a Na,K-ATPase beta1 subunit gene.. Journal of Clinical Investigation, 1998, 102, 1421-1430.	3.9	122

#	Article	IF	Citations
181	Alveolar Macrophages Inhibit Retrovirus-Mediated Gene Transfer to Airway Epithelia. Human Gene Therapy, 1997, 8, 1087-1093.	1.4	36
182	Evaluation of in vivo total and regional air content and distribution in primate lungs with high-resolution CT. Academic Radiology, 1997, 4, 674-679.	1.3	9
183	Complexes of Adenovirus with Polycationic Polymers and Cationic Lipids Increase the Efficiency of Gene Transfer in Vitro and in Vivo. Journal of Biological Chemistry, 1997, 272, 6479-6489.	1.6	249
184	A low rate of cell proliferation and reduced DNA uptake limit cationic lipid-mediated gene transfer to primary cultures of ciliated human airway epithelia. Gene Therapy, 1997, 4, 1173-1180.	2.3	150
185	Cationic lipids used in gene transfer. Advanced Drug Delivery Reviews, 1997, 27, 17-28.	6.6	129
186	Lack of high affinity fiber receptor activity explains the resistance of ciliated airway epithelia to adenovirus infection.. Journal of Clinical Investigation, 1997, 100, 1144-1149.	3.9	206
187	Comparison of DNA-lipid complexes and DNA alone for gene transfer to cystic fibrosis airway epithelia in vivo.. Journal of Clinical Investigation, 1997, 100, 1529-1537.	3.9	162
188	Adenovirus-Mediated Gene Therapy for Head and Neck Squamous Cell Carcinomas. Annals of Otology, Rhinology and Laryngology, 1996, 105, 562-567.	0.6	29
189	CATIONIC LIPID-MEDIATED TRANSFER OF THE hIL-10 GENE PROLONGS SURVIVAL OF ALLOGENEIC HEPATOCYTES IN NAGASE ANALBUMINEMIC RATS1,2. Transplantation, 1996, 62, 1866-1871.	0.5	15
190	Repeat administration of an adenovirus vector encoding cystic fibrosis transmembrane conductance regulator to the nasal epithelium of patients with cystic fibrosis.. Journal of Clinical Investigation, 1996, 97, 1504-1511.	3.9	246
191	Adenovirus-Mediated Gene Transfer for Cystic Fibrosis: Part A. Safety of Dose and Repeat Administration in the Nasal Epithelium. Part B. Clinical Efficacy in the Maxillary Sinus. Howard Hughes Medical Institute, Iowa City, Iowa. Human Gene Therapy, 1995, 6, 205-218.	1.4	37
192	Normal Sweat Chloride Values Do Not Exclude the Diagnosis of Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 1995, 151, 899-903.	2.5	97
193	Cellular and Molecular Barriers to Gene Transfer by a Cationic Lipid. Journal of Biological Chemistry, 1995, 270, 18997-19007.	1.6	1,299
194	Adenoviral-mediated gene transfer to fetal pulmonary epithelia in vitro and in vivo.. Journal of Clinical Investigation, 1995, 95, 2620-2632.	3.9	99
195	A mouse model for the delta F508 allele of cystic fibrosis.. Journal of Clinical Investigation, 1995, 96, 2051-2064.	3.9	270
196	Correction of cAMP-Stimulated Fluid Secretion in Cystic Fibrosis Airway Epithelia: Efficiency of Adenovirus-Mediated Gene Transfer In Vitro. Human Gene Therapy, 1994, 5, 585-593.	1.4	97
197	Safety and efficacy of repetitive adenovirusâ€“mediated transfer of CFTR cDNA to airway epithelia of primates and cotton rats. Nature Genetics, 1994, 6, 75-83.	9.4	234
198	Cystic Fibrosis Gene Therapy Using an Adenovirus Vector: In Vivo Safety and Efficacy in Nasal Epithelium. Howard Hughes Medical Institute, Iowa City, IA. Human Gene Therapy, 1994, 5, 209-219.	1.4	60

#	Article	IF	Citations
199	Dosing Efficiency and Particle-Size Characteristics of Pressurized Metered-Dose Inhaler Aerosols in Narrow Catheters. Chest, 1994, 105, 1621.	0.4	0
200	Adenovirus-mediated gene transfer transiently corrects the chloride transport defect in nasal epithelia of patients with cystic fibrosis. Cell, 1993, 75, 207-216.	13.5	754
201	Effect of high frequency oscillatory ventilation on fluid filtration rate in isolated perfused rabbit lungs. Intensive Care Medicine, 1989, 15, 155-159.	3.9	0
202	Effect of hypercapnia on fluid filtration rate during forward and reverse perfusion of isolated rabbit lungs. Critical Care Medicine, 1986, 14, 285-287.	0.4	4