

John F Engelhardt

List of Publications by Year in Descending Order

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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.

279
papers

21,355
citations

78
h-index

137
g-index

295
ext. papers

23,458
ext. citations

9.1
avg, IF

6.38
L-index

#	Paper	IF	Citations
279	Human distal lung maps and lineage hierarchies reveal a bipotent progenitor.. <i>Nature</i> , 2022 ,	50.4	7
278	Human distal airways contain a multipotent secretory cell that can regenerate alveoli.. <i>Nature</i> , 2022 ,	50.4	5
277	Lef-1 controls cell cycle progression in airway basal cells to regulate proliferation and differentiation. <i>Stem Cells</i> , 2021 , 39, 1221-1235	5.8	2
276	Ferret respiratory disease models for the study of lung stem cells 2021 , 273-289		1
275	Animal Models and Their Role in Understanding the Pathophysiology of Cystic Fibrosis-Associated Gastrointestinal Lesions. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2021 , 16, 51-67	34	1
274	Gene Therapy for Cystic Fibrosis: Lessons Learned and Paths Forward. <i>Molecular Therapy</i> , 2021 , 29, 428-430		2
273	Acute pancreatitis-induced islet dysfunction in ferrets. <i>Pancreatology</i> , 2021 , 21, 839-847	3.8	
272	Combined agonists act synergistically to increase mucociliary clearance in a cystic fibrosis airway model. <i>Scientific Reports</i> , 2021 , 11, 18828	4.9	
271	Hairpin Transfer-Independent Parvovirus DNA Replication Produces Infectious Virus. <i>Journal of Virology</i> , 2021 , 95, e0110821	6.6	2
270	A Tribute to Barrie J. Carter. <i>Human Gene Therapy</i> , 2020 , 31, 491-493	4.8	1
269	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
268	Derivation of induced pluripotent stem cells from ferret somatic cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L671-L683	5.8	8
267	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
266	In Situ Analysis Reveals That CFTR Is Expressed in Only a Small Minority of ECells in Normal Adult Human Pancreas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	13
265	Detargeting Lentiviral-Mediated CFTR Expression in Airway Basal Cells Using miR-106b. <i>Genes</i> , 2020 , 11,	4.2	1
264	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
263	A Comprehensive RNA-seq Analysis of Human Bocavirus 1 Transcripts in Infected Human Airway Epithelium. <i>Viruses</i> , 2019 , 11,	6.2	4

262	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
261	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
260	Incretin dysfunction and hyperglycemia in cystic fibrosis: Role of acyl-ghrelin. <i>Journal of Cystic Fibrosis</i> , 2019 , 18, 557-565	4.1	1
259	Advances in gene therapy for cystic fibrosis lung disease. <i>Human Molecular Genetics</i> , 2019 , 28, R88-R94	5.6	33
258	A glycopolymer improves viscoelasticity and mucociliary transport of abnormal cystic fibrosis mucus. <i>JCI Insight</i> , 2019 , 4,	9.9	21
257	Survival in a bad neighborhood: pancreatic islets in cystic fibrosis. <i>Journal of Endocrinology</i> , 2019 ,	4.7	12
256	Isolation of Redox-Active Endosomes (Redoxosomes) and Assessment of NOX Activity. <i>Methods in Molecular Biology</i> , 2019 , 1982, 461-472	1.4	1
255	PyMINer Finds Gene and Autocrine-Paracrine Networks from Human Islet scRNA-Seq. <i>Cell Reports</i> , 2019 , 26, 1951-1964.e8	10.6	23
254	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
253	Aspm knockout ferret reveals an evolutionary mechanism governing cerebral cortical size. <i>Nature</i> , 2018 , 556, 370-375	50.4	77
252	Submucosal Gland Myoepithelial Cells Are Reserve Stem Cells That Can Regenerate Mouse Tracheal Epithelium. <i>Cell Stem Cell</i> , 2018 , 22, 653-667.e5	18	52
251	Pancreatic and Islet Remodeling in Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Knockout Ferrets. <i>American Journal of Pathology</i> , 2018 , 188, 876-890	5.8	15
250	Infection Is Not Required for Mucoinflammatory Lung Disease in CFTR-Knockout Ferrets. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 1308-1318	10.2	73
249	Animal and model systems for studying cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2018 , 17, S28-S34	4.1	50
248	A revised airway epithelial hierarchy includes CFTR-expressing ionocytes. <i>Nature</i> , 2018 , 560, 319-324	50.4	526
247	Development of a polarized pancreatic ductular cell epithelium for physiological studies. <i>Journal of Applied Physiology</i> , 2018 , 125, 97-106	3.7	8
246	Depletion of Airway Submucosal Glands and TP63KRT5 Basal Cells in Obliterative Bronchiolitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 1045-1057	10.2	23
245	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

244	Generation of Alpha-1 Antitrypsin Knockout and PI*ZZ Ferrets Using Crispr/Cas9. A Genetic Model of Emphysema. <i>Annals of the American Thoracic Society</i> , 2018 , 15, S292-S293	4.7	2
243	Validation of a radioimmunoassay of serum trypsin-like immunoreactivity in ferrets. <i>Journal of Veterinary Diagnostic Investigation</i> , 2018 , 30, 517-522	1.5	1
242	Parvovirus Expresses a Small Noncoding RNA That Plays an Essential Role in Virus Replication. <i>Journal of Virology</i> , 2017 , 91,	6.6	15
241	Multipotent Myoepithelial Progenitor Cells Are Born Early during Airway Submucosal Gland Development. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017 , 56, 716-726	5.7	18
240	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
239	Human Parvovirus Infection of Human Airway Epithelia Induces Pyroptotic Cell Death by Inhibiting Apoptosis. <i>Journal of Virology</i> , 2017 , 91,	6.6	23
238	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
237	CFTR Influences Beta Cell Function and Insulin Secretion Through Non-Cell Autonomous Exocrine-Derived Factors. <i>Endocrinology</i> , 2017 , 158, 3325-3338	4.8	39
236	Real-Time Monitoring of Insulin Using a Graphene Field-Effect Transistor Aptameric Nanosensor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27504-27511	9.5	65
235	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
234	Human Bocavirus 1 Is a Novel Helper for Adeno-associated Virus Replication. <i>Journal of Virology</i> , 2017 , 91,	6.6	20
233	A Heterotopic Xenograft Model of Human Airways for Investigating Fibrosis in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017 , 56, 291-299	5.7	2
232	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
231	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
230	Abnormal Glucose Tolerance in Infants and Young Children with Cystic Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 974-980	10.2	45
229	Dual SMAD Signaling Inhibition Enables Long-Term Expansion of Diverse Epithelial Basal Cells. <i>Cell Stem Cell</i> , 2016 , 19, 217-231	18	210
228	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
227	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

226	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
225	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
224	gene transfer with AAV improves early cystic fibrosis pig phenotypes. <i>JCI Insight</i> , 2016 , 1, e88728	9.9	53
223	Wnt Signaling Regulates Airway Epithelial Stem Cells in Adult Murine Submucosal Glands. <i>Stem Cells</i> , 2016 , 34, 2758-2771	5.8	28
222	A Transient Metabolic Recovery from Early Life Glucose Intolerance in Cystic Fibrosis Ferrets Occurs During Pancreatic Remodeling. <i>Endocrinology</i> , 2016 , 157, 1852-65	4.8	27
221	Sox2 and Lef-1 interact with Pitx2 to regulate incisor development and stem cell renewal. <i>Development (Cambridge)</i> , 2016 , 143, 4115-4126	6.6	41
220	NADPH Oxidases Are Essential for Macrophage Differentiation. <i>Journal of Biological Chemistry</i> , 2016 , 291, 20030-41	5.4	82
219	Pancreatic pathophysiology in cystic fibrosis. <i>Journal of Pathology</i> , 2016 , 238, 311-20	9.4	61
218	Identification and Functional Analysis of Novel Nonstructural Proteins of Human Bocavirus 1. <i>Journal of Virology</i> , 2015 , 89, 10097-109	6.6	36
217	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
216	Glycaemic regulation and insulin secretion are abnormal in cystic fibrosis pigs despite sparing of islet cell mass. <i>Clinical Science</i> , 2015 , 128, 131-42	6.5	50
215	Stem Cell Niches in the Lung. <i>Pancreatic Islet Biology</i> , 2015 , 35-58	0.4	
214	Defective innate immunity and hyperinflammation in newborn cystic fibrosis transmembrane conductance regulator-knockout ferret lungs. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015 , 52, 683-94	5.7	76
213	Proteomic analysis of pure human airway gland mucus reveals a large component of protective proteins. <i>PLoS ONE</i> , 2015 , 10, e0116756	3.7	33
212	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
211	A Road Map for 21st Century Genetic Restoration: Gene Pool Enrichment of the Black-Footed Ferret. <i>Journal of Heredity</i> , 2015 , 106, 581-92	2.4	27
210	The basic biology of redoxosomes in cytokine-mediated signal transduction and implications for disease-specific therapies. <i>Biochemistry</i> , 2014 , 53, 1551-64	3.2	61
209	Quantifying insulin sensitivity and entero-insular responsiveness to hyper- and hypoglycemia in ferrets. <i>PLoS ONE</i> , 2014 , 9, e90519	3.7	5

208	Ferret and Pig Models of Cystic Fibrosis: Prospects and Promise for Gene Therapy. <i>Human Gene Therapy Clinical Development</i> , 2014 , 150127063140004	3.2	
207	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
206	The draft genome sequence of the ferret (<i>Mustela putorius furo</i>) facilitates study of human respiratory disease. <i>Nature Biotechnology</i> , 2014 , 32, 1250-5	44.5	81
205	Progenitor cells in proximal airway epithelial development and regeneration. <i>Journal of Cellular Biochemistry</i> , 2014 , 115, 1637-45	4.7	29
204	Sox2 modulates Lef-1 expression during airway submucosal gland development. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014 , 306, L645-60	5.8	22
203	Gastrointestinal pathology in juvenile and adult CFTR-knockout ferrets. <i>American Journal of Pathology</i> , 2014 , 184, 1309-22	5.8	53
202	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
201	Ferret lung transplant: an orthotopic model of obliterative bronchiolitis. <i>American Journal of Transplantation</i> , 2013 , 13, 467-73	8.7	20
200	Bioelectric characterization of epithelia from neonatal CFTR knockout ferrets. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013 , 49, 837-44	5.7	27
199	Hepatocytes produce TNF 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
198	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
197	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
196	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
195	Gene delivery to the airway. <i>Current Protocols in Human Genetics</i> , 2013 , Chapter 13, Unit 13.9	3.2	3
194	Redox-Dependent Hepatocyte TNF Secretion Following Reoxygenation Injury. <i>FASEB Journal</i> , 2013 , 27, 682.12	0.9	
193	Establishment of a reverse genetics system for studying human bocavirus in human airway epithelia. <i>PLoS Pathogens</i> , 2012 , 8, e1002899	7.6	117
192	A mutation in the <i>Srrm4</i> gene causes alternative splicing defects and deafness in the Bronx waltzer mouse. <i>PLoS Genetics</i> , 2012 , 8, e1002966	6	58
191	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

190	Directing integrin-linked endocytosis of recombinant AAV enhances productive FAK-dependent transduction. <i>Molecular Therapy</i> , 2012 , 20, 972-83	11.7	14
189	Future directions in early cystic fibrosis lung disease research: an NHLBI workshop report. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 185, 887-92	10.2	55
188	Abnormal endocrine pancreas function at birth in cystic fibrosis ferrets. <i>Journal of Clinical Investigation</i> , 2012 , 122, 3755-68	15.9	95
187	The role of LEF1 in endometrial gland formation and carcinogenesis. <i>PLoS ONE</i> , 2012 , 7, e40312	3.7	31
186	CGRP induction in cystic fibrosis airways alters the submucosal gland progenitor cell niche in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 3144-58	15.9	32
185	Immunohistochemical demonstration of airway epithelial cell markers of guinea pig. <i>Tissue and Cell</i> , 2011 , 43, 283-90	2.7	6
184	Selective suppression of cervical cancer Hela cells by 2-O-ED-glucopyranosyl-L-ascorbic acid isolated from the fruit of <i>Lycium barbarum</i> L. <i>Cell Biology and Toxicology</i> , 2011 , 27, 107-21	7.4	25
183	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
182	Alsin and SOD1(G93A) proteins regulate endosomal reactive oxygen species production by glial cells and proinflammatory pathways responsible for neurotoxicity. <i>Journal of Biological Chemistry</i> , 2011 , 286, 40151-62	5.4	65
181	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
180	Comparative biology of cystic fibrosis animal models. <i>Methods in Molecular Biology</i> , 2011 , 742, 311-34	1.4	63
179	New animal models of cystic fibrosis: what are they teaching us?. <i>Current Opinion in Pulmonary Medicine</i> , 2011 , 17, 478-83	3	97
178	Dual reporter comparative indexing of rAAV pseudotyped vectors in chimpanzee airway. <i>Molecular Therapy</i> , 2010 , 18, 594-600	11.7	46
177	Targeted injury of type II alveolar epithelial cells induces pulmonary fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 181, 254-63	10.2	322
176	Sox17 modulates Wnt3A/beta-catenin-mediated transcriptional activation of the Lef-1 promoter. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010 , 299, L694-710	5.8	26
175	Disease phenotype of a ferret CFTR-knockout model of cystic fibrosis. <i>Journal of Clinical Investigation</i> , 2010 , 120, 3149-60	15.9	262
174	Lipid rafts and caveolin-1 coordinate interleukin-1beta (IL-1beta)-dependent activation of NFkappaB by controlling endocytosis of Nox2 and IL-1beta receptor 1 from the plasma membrane. <i>Journal of Biological Chemistry</i> , 2009 , 284, 33255-64	5.4	91
173	Endosomal Nox2 facilitates redox-dependent induction of NF-kappaB by TNF-alpha. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 1249-63	8.4	94

172	Analysis of adeno-associated virus progenitor cell transduction in mouse lung. <i>Molecular Therapy</i> , 2009 , 17, 285-93	11.7	29
171	Cloning and identification of microRNAs in bovine alveolar macrophages. <i>Molecular and Cellular Biochemistry</i> , 2009 , 332, 9-16	4.2	18
170	Indexing TNF-alpha gene expression using a gene-targeted reporter cell line. <i>BMC Biology</i> , 2009 , 7, 8	7.3	6
169	Progress and prospects: techniques for site-directed mutagenesis in animal models. <i>Gene Therapy</i> , 2009 , 16, 581-8	4	14
168	Chromatin configurations in the ferret germinal vesicle that reflect developmental competence for in vitro maturation. <i>Reproduction in Domestic Animals</i> , 2009 , 44, 320-5	1.6	12
167	Redox modifier genes and pathways in amyotrophic lateral sclerosis. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 1569-86	8.4	32
166	Signaling components of redox active endosomes: the redoxosomes. <i>Antioxidants and Redox Signaling</i> , 2009 , 11, 1313-33	8.4	154
165	Aggressive melanoma cells escape from BMP7-mediated autocrine growth inhibition through coordinated Noggin upregulation. <i>Laboratory Investigation</i> , 2008 , 88, 842-55	5.9	37
164	Efficient term development of vitrified ferret embryos using a novel pipette chamber technique. <i>Biology of Reproduction</i> , 2008 , 79, 832-40	3.9	17
163	Airway epithelial cells: current concepts and challenges. <i>Proceedings of the American Thoracic Society</i> , 2008 , 5, 772-7		209
162	The porcine lung as a potential model for cystic fibrosis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008 , 295, L240-63	5.8	176
161	Evidence for a superoxide permeability pathway in endosomal membranes. <i>Molecular and Cellular Biology</i> , 2008 , 28, 3700-12	4.8	72
160	The glandular stem/progenitor cell niche in airway development and repair. <i>Proceedings of the American Thoracic Society</i> , 2008 , 5, 682-8		60
159	JunD protects the liver from ischemia/reperfusion injury by dampening AP-1 transcriptional activation. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6687-95	5.4	26
158	Longitudinal noninvasive monitoring of transcription factor activation in cardiovascular regulatory nuclei using bioluminescence imaging. <i>Physiological Genomics</i> , 2008 , 33, 292-9	3.6	12
157	Endosomal NADPH oxidase regulates c-Src activation following hypoxia/reoxygenation injury. <i>Biochemical Journal</i> , 2008 , 411, 531-41	3.8	49
156	Mechanisms of Submucosal Gland Morphogenesis in the Airway. <i>Novartis Foundation Symposium</i> , 2008 , 38-50		7
155	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

154	SOD1 mutations disrupt redox-sensitive Rac regulation of NADPH oxidase in a familial ALS model. <i>Journal of Clinical Investigation</i> , 2008 , 118, 659-70	15.9	247
153	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
152	Pleiotropic functions of TNF-alpha determine distinct IKKbeta-dependent hepatocellular fates in response to LPS. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 292, G242-52	5.1	12
151	Comparative biology of rAAV transduction in ferret, pig and human airway epithelia. <i>Gene Therapy</i> , 2007 , 14, 1543-8	4	34
150	MKK6 phosphorylation regulates production of superoxide by enhancing Rac GTPase activity. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 1803-13	8.4	9
149	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
148	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
147	PITX2 and beta-catenin interactions regulate Lef-1 isoform expression. <i>Molecular and Cellular Biology</i> , 2007 , 27, 7560-73	4.8	62
146	Inhibition of Rac1-derived reactive oxygen species in nucleus tractus solitarius decreases blood pressure and heart rate in stroke-prone spontaneously hypertensive rats. <i>Hypertension</i> , 2007 , 50, 62-8	8.5	66
145	Wnt3a regulates Lef-1 expression during airway submucosal gland morphogenesis. <i>Developmental Biology</i> , 2007 , 305, 90-102	3.1	45
144	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
143	Screen for dominant behavioral mutations caused by genomic insertion of P-element transposons in Drosophila: an examination of the integration of viral vector sequences. <i>Journal of Neurogenetics</i> , 2007 , 21, 31-43	1.6	
142	Redox modifier genes in amyotrophic lateral sclerosis in mice. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2913-9	15.9	107
141	Wnt Signaling Regulates Lymphoid Enhancer Factor (Lef-1) Isoform Expression Through Functional Interactions Between PITX2, beta-catenin and Lef-1. <i>FASEB Journal</i> , 2007 , 21, A656	0.9	
140	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
139	Stem cells in the lung. <i>Methods in Enzymology</i> , 2006 , 419, 285-321	1.7	72
138	Nox2 and Rac1 regulate H2O2-dependent recruitment of TRAF6 to endosomal interleukin-1 receptor complexes. <i>Molecular and Cellular Biology</i> , 2006 , 26, 140-54	4.8	192
137	Interleukin-1beta induction of NFkappaB is partially regulated by H2O2-mediated activation of NFkappaB-inducing kinase. <i>Journal of Biological Chemistry</i> , 2006 , 281, 1495-505	5.4	174

136	rAAV2 traffics through both the late and the recycling endosomes in a dose-dependent fashion. <i>Molecular Therapy</i> , 2006 , 13, 671-82	11.7	72
135	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
134	Cloned ferrets produced by somatic cell nuclear transfer. <i>Developmental Biology</i> , 2006 , 293, 439-48	3.1	136
133	Factors affecting the efficiency of embryo transfer in the domestic ferret (<i>Mustela putorius furo</i>). <i>Theriogenology</i> , 2006 , 66, 183-90	2.8	15
132	Nox2-containing NADPH oxidase and Akt activation play a key role in angiotensin II-induced cardiomyocyte hypertrophy. <i>Physiological Genomics</i> , 2006 , 26, 180-91	3.6	121
131	AAV hits the genomic bullseye. <i>Nature Biotechnology</i> , 2006 , 24, 949-50	44.5	6
130	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
129	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
128	Factors affecting the electrofusion of mouse and ferret oocytes with ferret somatic cells. <i>Molecular Reproduction and Development</i> , 2005 , 72, 40-7	2.6	10
127	Efficient in vivo gene expression by trans-splicing adeno-associated viral vectors. <i>Nature Biotechnology</i> , 2005 , 23, 1435-9	44.5	164
126	Nuclear transfer of M-phase ferret fibroblasts synchronized with the microtubule inhibitor demecolcine. <i>Journal of Experimental Zoology Part A, Comparative Experimental Biology</i> , 2005 , 303, 1126-34		6
125	PITX2, beta-catenin and LEF-1 interact to synergistically regulate the LEF-1 promoter. <i>Journal of Cell Science</i> , 2005 , 118, 1129-37	5.3	92
124	Intracellular trafficking of adeno-associated viral vectors. <i>Gene Therapy</i> , 2005 , 12, 873-80	4	198
123	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
122	Iron-mediated H ₂ O ₂ production as a mechanism for cell type-specific inhibition of tumor necrosis factor alpha-induced but not interleukin-1beta-induced I κ B kinase complex/nuclear factor-kappaB activation. <i>Journal of Biological Chemistry</i> , 2005 , 280, 2912-23	5.4	33
121	Lysozyme secretion by submucosal glands protects the airway from bacterial infection. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 32, 548-52	5.7	78
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