

Ronald Crystal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/563631/publications.pdf>

Version: 2024-02-01

177
papers

12,781
citations

23567

58
h-index

26613

107
g-index

179
all docs

179
docs citations

179
times ranked

14253
citing authors

#	ARTICLE	IF	CITATIONS
1	Impaired recruitment of bone-marrow-derived endothelial and hematopoietic precursor cells blocks tumor angiogenesis and growth. <i>Nature Medicine</i> , 2001, 7, 1194-1201.	30.7	1,784
2	In vivo transfer of the human cystic fibrosis transmembrane conductance regulator gene to the airway epithelium. <i>Cell</i> , 1992, 68, 143-155.	28.9	989
3	Interstitial Lung Diseases of Unknown Cause. <i>New England Journal of Medicine</i> , 1984, 310, 154-166.	27.0	670
4	Treatment of Late Infantile Neuronal Ceroid Lipofuscinosis by CNS Administration of a Serotype 2 Adeno-Associated Virus Expressing CLN2 cDNA. <i>Human Gene Therapy</i> , 2008, 19, 463-474.	2.7	366
5	Smoking-Dependent Reprogramming of Alveolar Macrophage Polarization: Implication for Pathogenesis of Chronic Obstructive Pulmonary Disease. <i>Journal of Immunology</i> , 2009, 183, 2867-2883.	0.8	351
6	Airway Epithelial Cells: Current Concepts and Challenges. <i>Proceedings of the American Thoracic Society</i> , 2008, 5, 772-777.	3.5	275
7	Adenovirus: The First Effective <i>In Vivo</i> Gene Delivery Vector. <i>Human Gene Therapy</i> , 2014, 25, 3-11.	2.7	265
8	Sarcoidosis in America. Analysis Based on Health Care Use. <i>Annals of the American Thoracic Society</i> , 2016, 13, 1244-1252.	3.2	257
9	Expression of the SARS-CoV-2 ACE2 Receptor in the Human Airway Epithelium. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 219-229.	5.6	208
10	Circulating Endothelial Microparticles as a Measure of Early Lung Destruction in Cigarette Smokers. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 224-232.	5.6	201
11	At the Root: Defining and Halting Progression of Early Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1540-1551.	5.6	185
12	Prevention and reversal of severe mitochondrial cardiomyopathy by gene therapy in a mouse model of Friedreich's ataxia. <i>Nature Medicine</i> , 2014, 20, 542-547.	30.7	184
13	The Human Airway Epithelial Basal Cell Transcriptome. <i>PLoS ONE</i> , 2011, 6, e18378.	2.5	177
14	Future Research Directions in Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002, 166, 236-246.	5.6	170
15	Modification of gene expression of the small airway epithelium in response to cigarette smoking. <i>Journal of Molecular Medicine</i> , 2006, 85, 39-53.	3.9	170
16	Enhanced Survival of the LINCL Mouse Following CLN2 Gene Transfer Using the rh.10 Rhesus Macaque-derived Adeno-associated Virus Vector. <i>Molecular Therapy</i> , 2007, 15, 481-491.	8.2	153
17	Small Airways in Idiopathic Pulmonary Fibrosis. <i>Journal of Clinical Investigation</i> , 1977, 60, 595-610.	8.2	151
18	Intracerebral gene therapy in children with mucopolysaccharidosis type IIIB syndrome: an uncontrolled phase 1/2 clinical trial. <i>Lancet Neurology</i> , The, 2017, 16, 712-720.	10.2	149

#	ARTICLE	IF	CITATIONS
19	The gene as the drug. <i>Nature Medicine</i> , 1995, 1, 15-17.	30.7	140
20	Safety of Local Delivery of Low- and Intermediate-Dose Adenovirus Gene Transfer Vectors to Individuals with a Spectrum of Morbid Conditions. <i>Human Gene Therapy</i> , 2002, 13, 15-63.	2.7	136
21	Adenovirus-Mediated Gene Transfer of VEGF 121 Improves Lower-Extremity Endothelial Function and Flow Reserve. <i>Circulation</i> , 2001, 104, 753-755.	1.6	130
22	High Levels of Persistent Expression of α 1-Antitrypsin Mediated by the Nonhuman Primate Serotype rh.10 Adeno-associated Virus Despite Preexisting Immunity to Common Human Adeno-associated Viruses. <i>Molecular Therapy</i> , 2006, 13, 67-76.	8.2	121
23	Administration of a Replication-Deficient Adeno-Associated Virus Gene Transfer Vector Expressing the Human CLN2cDNA to the Brain of Children with Late Infantile Neuronal Ceroid Lipofuscinosis. <i>Human Gene Therapy</i> , 2004, 15, 1131-1154.	2.7	118
24	Generation of a human airway epithelium derived basal cell line with multipotent differentiation capacity. <i>Respiratory Research</i> , 2013, 14, 135.	3.6	115
25	Population Genetic Structure of the People of Qatar. <i>American Journal of Human Genetics</i> , 2010, 87, 17-25.	6.2	110
26	RNA-Seq quantification of the human small airway epithelium transcriptome. <i>BMC Genomics</i> , 2012, 13, 82.	2.8	107
27	Point-of-care whole-exome sequencing of idiopathic male infertility. <i>Genetics in Medicine</i> , 2018, 20, 1365-1373.	2.4	105
28	The Qatar genome: a population-specific tool for precision medicine in the Middle East. <i>Human Genome Variation</i> , 2016, 3, 16016.	0.7	103
29	Airway Basal Cells. The "Smoking Gun" of Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1355-1362.	5.6	101
30	Altered lung biology of healthy never smokers following acute inhalation of E-cigarettes. <i>Respiratory Research</i> , 2018, 19, 78.	3.6	98
31	Cigarette smoking induces small airway epithelial epigenetic changes with corresponding modulation of gene expression. <i>Human Molecular Genetics</i> , 2013, 22, 4726-4738.	2.9	96
32	Airway Basal Stem/Progenitor Cells Have Diminished Capacity to Regenerate Airway Epithelium in Chronic Obstructive Pulmonary Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 955-958.	5.6	94
33	Risk of COPD with obstruction in active smokers with normal spirometry and reduced diffusion capacity. <i>European Respiratory Journal</i> , 2015, 46, 1589-1597.	6.7	93
34	AAVrh.10-Mediated APOE2 Central Nervous System Gene Therapy for APOE4-Associated Alzheimer's Disease. <i>Human Gene Therapy Clinical Development</i> , 2018, 29, 24-47.	3.1	90
35	Indigenous Arabs are descendants of the earliest split from ancient Eurasian populations. <i>Genome Research</i> , 2016, 26, 151-162.	5.5	89
36	Long-Term Expression and Safety of Administration of AAVrh.10hCLN2 to the Brain of Rats and Nonhuman Primates for the Treatment of Late Infantile Neuronal Ceroid Lipofuscinosis. <i>Human Gene Therapy Methods</i> , 2012, 23, 324-335.	2.1	84

#	ARTICLE	IF	CITATIONS
37	Disease characteristics and progression in patients with late-infantile neuronal ceroid lipofuscinosis type 2 (CLN2) disease: an observational cohort study. <i>The Lancet Child and Adolescent Health</i> , 2018, 2, 582-590.	5.6	84
38	Smoking-Dependent Distal-to-Proximal Repatterning of the Adult Human Small Airway Epithelium. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 340-352.	5.6	83
39	EGF shifts human airway basal cell fate toward a smoking-associated airway epithelial phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12102-12107.	7.1	82
40	Dendritic cells genetically modified to express CD40 ligand and pulsed with antigen can initiate antigen-specific humoral immunity independent of CD4+ T cells. <i>Nature Medicine</i> , 2000, 6, 1154-1159.	30.7	81
41	Analysis of Risk Factors for Local Delivery of Low- and Intermediate-Dose Adenovirus Gene Transfer Vectors to Individuals with a Spectrum of Comorbid Conditions. <i>Human Gene Therapy</i> , 2002, 13, 65-100.	2.7	81
42	Coordinate Control of Expression of Nrf2-Modulated Genes in the Human Small Airway Epithelium Is Highly Responsive to Cigarette Smoking. <i>Molecular Medicine</i> , 2009, 15, 203-219.	4.4	80
43	Ontogeny and Biology of Human Small Airway Epithelial Club Cells. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 1375-1388.	5.6	79
44	Biologic Phenotyping of the Human Small Airway Epithelial Response to Cigarette Smoking. <i>PLoS ONE</i> , 2011, 6, e22798.	2.5	74
45	Activation of NOTCH1 or NOTCH3 Signaling Skews Human Airway Basal Cell Differentiation toward a Secretory Pathway. <i>PLoS ONE</i> , 2015, 10, e0116507.	2.5	74
46	Cells, collagen and idiopathic pulmonary fibrosis. <i>Lung</i> , 1978, 155, 199-224.	3.3	71
47	Intra-arterial delivery of AAV vectors to the mouse brain after mannitol mediated blood brain barrier disruption. <i>Journal of Controlled Release</i> , 2014, 196, 71-78.	9.9	70
48	FOXJ1 Prevents Cilia Growth Inhibition by Cigarette Smoke in Human Airway Epithelium <i>In Vitro</i> . <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 688-700.	2.9	69
49	Intraflagellar Transport Gene Expression Associated with Short Cilia in Smoking and COPD. <i>PLoS ONE</i> , 2014, 9, e85453.	2.5	69
50	Novel Cocaine Vaccine Linked to a Disrupted Adenovirus Gene Transfer Vector Blocks Cocaine Psychostimulant and Reinforcing Effects. <i>Neuropsychopharmacology</i> , 2012, 37, 1083-1091.	5.4	68
51	Intracerebral Gene Therapy Using AAVrh.10-hARSA Recombinant Vector to Treat Patients with Early-Onset Forms of Metachromatic Leukodystrophy: Preclinical Feasibility and Safety Assessments in Nonhuman Primates. <i>Human Gene Therapy Clinical Development</i> , 2015, 26, 113-124.	3.1	68
52	Smoking Dysregulates the Human Airway Basal Cell Transcriptome at COPD Risk Locus 19q13.2. <i>PLoS ONE</i> , 2014, 9, e88051.	2.5	65
53	Gene therapy for metachromatic leukodystrophy. <i>Journal of Neuroscience Research</i> , 2016, 94, 1169-1179.	2.9	64
54	Whole-exome sequencing identifies common and rare variant metabolic QTLs in a Middle Eastern population. <i>Nature Communications</i> , 2018, 9, 333.	12.8	63

#	ARTICLE	IF	CITATIONS
55	Enhanced matrix synthesis and in vitro formation of cartilage-like tissue by genetically modified chondrocytes expressing BMP-7. <i>Journal of Orthopaedic Research</i> , 2001, 19, 751-758.	2.3	61
56	Cocaine Analog Coupled to Disrupted Adenovirus: A Vaccine Strategy to Evoke High-titer Immunity Against Addictive Drugs. <i>Molecular Therapy</i> , 2011, 19, 612-619.	8.2	61
57	Gene therapy for late infantile neuronal ceroid lipofuscinosis: neurosurgical considerations. <i>Journal of Neurosurgery: Pediatrics</i> , 2010, 6, 115-122.	1.3	60
58	Persistence of Smoking-Induced Dysregulation of miRNA Expression in the Small Airway Epithelium Despite Smoking Cessation. <i>PLoS ONE</i> , 2015, 10, e0120824.	2.5	60
59	Survival advantage of neonatal CNS gene transfer for late infantile neuronal ceroid lipofuscinosis. <i>Experimental Neurology</i> , 2008, 213, 18-27.	4.1	59
60	Intracerebral adeno-associated virus gene delivery of apolipoprotein E2 markedly reduces brain amyloid pathology in Alzheimer's disease mouse models. <i>Neurobiology of Aging</i> , 2016, 44, 159-172.	3.1	59
61	Variability in Small Airway Epithelial Gene Expression Among Normal Smokers. <i>Chest</i> , 2008, 133, 1344-1353.	0.8	55
62	EGF-Amphiregulin Interplay in Airway Stem/Progenitor Cells Links the Pathogenesis of Smoking-Induced Lesions in the Human Airway Epithelium. <i>Stem Cells</i> , 2017, 35, 824-837.	3.2	54
63	Vectored Intracerebral Immunization with the Anti-Tau Monoclonal Antibody PHF1 Markedly Reduces Tau Pathology in Mutant Tau Transgenic Mice. <i>Journal of Neuroscience</i> , 2016, 36, 12425-12435.	3.6	53
64	Adenovirus Capsid-Based Anti-Cocaine Vaccine Prevents Cocaine from Binding to the Nonhuman Primate CNS Dopamine Transporter. <i>Neuropsychopharmacology</i> , 2013, 38, 2170-2178.	5.4	52
65	Fate of Systemically Administered Cocaine in Nonhuman Primates Treated with the dAd5GNE Anticocaine Vaccine. <i>Human Gene Therapy Clinical Development</i> , 2014, 25, 40-49.	3.1	51
66	Use of L-plastin promoter to develop an adenoviral system that confers transgene expression in ovarian cancer cells but not in normal mesothelial cells. <i>Cancer Gene Therapy</i> , 1999, 6, 99-106.	4.6	50
67	Role of OSGIN1 in mediating smoking-induced autophagy in the human airway epithelium. <i>Autophagy</i> , 2017, 13, 1205-1220.	9.1	50
68	Genes associated with MUC5AC expression in small airway epithelium of human smokers and non-smokers. <i>BMC Medical Genomics</i> , 2012, 5, 21.	1.5	49
69	Triplets polycistronic vectors encoding Gata4, Mef2c, and Tbx5 enhances postinfarct ventricular functional improvement compared with singlet vectors. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 1656-1664.e2.	0.8	48
70	POU2AF1 Functions in the Human Airway Epithelium To Regulate Expression of Host Defense Genes. <i>Journal of Immunology</i> , 2016, 196, 3159-3167.	0.8	48
71	Efficacy of an adenovirus-based anti-cocaine vaccine to reduce cocaine self-administration and reacquisition using a choice procedure in rhesus macaques. <i>Pharmacology Biochemistry and Behavior</i> , 2016, 150-151, 76-86.	2.9	46
72	Intermittent exposure to whole cigarette smoke alters the differentiation of primary small airway epithelial cells in the air-liquid interface culture. <i>Scientific Reports</i> , 2020, 10, 6257.	3.3	45

#	ARTICLE	IF	CITATIONS
73	Exome Sequencing Identifies Potential Risk Variants for Mendelian Disorders at High Prevalence in Qatar. <i>Human Mutation</i> , 2014, 35, 105-116.	2.5	43
74	Serum Metabolite Biomarkers Discriminate Healthy Smokers from COPD Smokers. <i>PLoS ONE</i> , 2015, 10, e0143937.	2.5	43
75	In situ reprogramming to transdifferentiate fibroblasts into cardiomyocytes using adenoviral vectors: Implications for clinical myocardial regeneration. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 329-339.e3.	0.8	43
76	Characterization of an immortalized human small airway basal stem/progenitor cell line with airway region-specific differentiation capacity. <i>Respiratory Research</i> , 2019, 20, 196.	3.6	43
77	Evaluation of Compounded Bevacizumab Prepared for Intravitreal Injection. <i>JAMA Ophthalmology</i> , 2015, 133, 32.	2.5	42
78	Upregulation of transcription factors in lung in the early phase of postpneumonectomy lung growth. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001, 281, L1138-L1149.	2.9	41
79	Cigarette Smoking Induces Overexpression of a Fat-Depleting Gene AZGP1 in the Human. <i>Chest</i> , 2009, 135, 1197-1208.	0.8	41
80	Persistence of circulating endothelial microparticles in COPD despite smoking cessation. <i>Thorax</i> , 2016, 71, 1137-1144.	5.6	40
81	Exaggerated BMP4 signalling alters human airway basal progenitor cell differentiation to cigarette smoking-related phenotypes. <i>European Respiratory Journal</i> , 2019, 53, 1702553.	6.7	40
82	Gene Therapy for Alpha-1 Antitrypsin Deficiency Lung Disease. <i>Annals of the American Thoracic Society</i> , 2016, 13, S352-S369.	3.2	38
83	Genetic Modification of the Lung Directed Toward Treatment of Human Disease. <i>Human Gene Therapy</i> , 2017, 28, 3-84.	2.7	37
84	A systematic review on the genetics of male infertility in the era of next-generation sequencing. <i>Arab Journal of Urology Arab Association of Urology</i> , 2018, 16, 53-64.	1.5	36
85	Spectrum of Ocular Manifestations in CLN2-Associated Batten (Jansky-Bielschowsky) Disease Correlate with Advancing Age and Deteriorating Neurological Function. <i>PLoS ONE</i> , 2013, 8, e73128.	2.5	36
86	Slowing late infantile Batten disease by direct brain parenchymal administration of a rh.10 adeno-associated virus expressing CLN2. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	35
87	Anti-IgE gene therapy of peanut-induced anaphylaxis in a humanized murine model of peanut allergy. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1652-1662.e7.	2.9	33
88	Corneal confocal microscopy: Neurologic disease biomarker in Friedreich ataxia. <i>Annals of Neurology</i> , 2018, 84, 893-904.	5.3	31
89	Gene therapy for C1 esterase inhibitor deficiency in a Murine Model of Hereditary angioedema. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 1081-1089.	5.7	31
90	Type 2 Diabetes Risk Allele Loci in the Qatari Population. <i>PLoS ONE</i> , 2016, 11, e0156834.	2.5	30

#	ARTICLE	IF	CITATIONS
91	Waterpipe smoking induces epigenetic changes in the small airway epithelium. <i>PLoS ONE</i> , 2017, 12, e0171112.	2.5	30
92	Percutaneous endocardial transfer and expression of genes to the myocardium utilizing fluoroscopic guidance. <i>Catheterization and Cardiovascular Interventions</i> , 2001, 52, 260-266.	1.7	29
93	Biology of the Adrenal Gland Cortex Obviates Effective Use of Adeno-Associated Virus Vectors to Treat Hereditary Adrenal Disorders. <i>Human Gene Therapy</i> , 2018, 29, 403-412.	2.7	29
94	Metabolic and Metabo-Clinical Signatures of Type 2 Diabetes, Obesity, Retinopathy, and Dyslipidemia. <i>Diabetes</i> , 2022, 71, 184-205.	0.6	29
95	AAV-mediated persistent bevacizumab therapy suppresses tumor growth of ovarian cancer. <i>Gynecologic Oncology</i> , 2014, 135, 325-332.	1.4	28
96	Smoking-Associated Disorder of the Airway Basal Stem/Progenitor Cell Metabotype. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 231-240.	2.9	28
97	Disrupted Adenovirus-Based Vaccines Against Small Addictive Molecules Circumvent Anti-Adenovirus Immunity. <i>Human Gene Therapy</i> , 2013, 24, 58-66.	2.7	27
98	Cell-specific expression of lung disease risk-related genes in the human small airway epithelium. <i>Respiratory Research</i> , 2020, 21, 200.	3.6	27
99	Airway basal cells of healthy smokers express an embryonic stem cell signature relevant to lung cancer. <i>Stem Cells</i> , 2013, 31, 1992-2002.	3.2	26
100	<scp>SOS</scp> 1 and <scp>R</scp> as regulate epithelial tight junction formation in the human airway through <scp>EMP</scp> 1. <i>EMBO Reports</i> , 2015, 16, 87-96.	4.5	26
101	Dysregulation of club cell biology in idiopathic pulmonary fibrosis. <i>PLoS ONE</i> , 2020, 15, e0237529.	2.5	25
102	JAG1-Mediated Notch Signaling Regulates Secretory Cell Differentiation of the Human Airway Epithelium. <i>Stem Cell Reviews and Reports</i> , 2016, 12, 454-463.	5.6	23
103	Gene Therapy Correction of Aldehyde Dehydrogenase 2 Deficiency. <i>Molecular Therapy - Methods and Clinical Development</i> , 2019, 15, 72-82.	4.1	23
104	Stress-Induced Mouse Model of the Cardiac Manifestations of Friedreich's Ataxia Corrected by AAV-mediated Gene Therapy. <i>Human Gene Therapy</i> , 2020, 31, 819-827.	2.7	23
105	The body as a manufacturer of endostatin. <i>Nature Biotechnology</i> , 1999, 17, 336-337.	17.5	22
106	Association of vitamin D2 and D3 with type 2 diabetes complications. <i>BMC Endocrine Disorders</i> , 2020, 20, 65.	2.2	22
107	Suppression of Nicotine-Induced Pathophysiology by an Adenovirus Hexon-Based Antinicotine Vaccine. <i>Human Gene Therapy</i> , 2013, 24, 595-603.	2.7	21
108	Basal cell origins of smoking-induced airway epithelial disorders. <i>Cell Cycle</i> , 2014, 13, 341-342.	2.6	21

#	ARTICLE	IF	CITATIONS
109	Untargeted Metabolite Profiling of Cerebrospinal Fluid Uncovers Biomarkers for Severity of Late Infantile Neuronal Ceroid Lipofuscinosis (CLN2, Batten Disease). <i>Scientific Reports</i> , 2018, 8, 15229.	3.3	21
110	Advances in the treatment of neuronal ceroid lipofuscinosis. <i>Expert Opinion on Orphan Drugs</i> , 2019, 7, 473-500.	0.8	20
111	Brain Region-Specific Degeneration with Disease Progression in Late Infantile Neuronal Ceroid Lipofuscinosis (CLN2 Disease). <i>American Journal of Neuroradiology</i> , 2016, 37, 1160-1169.	2.4	19
112	Anti-Epidermal Growth Factor Receptor Gene Therapy for Glioblastoma. <i>PLoS ONE</i> , 2016, 11, e0162978.	2.5	19
113	In Vivo Potency Assay for Adeno-Associated Virus-Based Gene Therapy Vectors Using AAVrh.10 as an Example. <i>Human Gene Therapy Methods</i> , 2018, 29, 146-155.	2.1	18
114	Association of vitamin D ³ and its metabolites in patients with and without type 2 diabetes and their relationship to diabetes complications. <i>Therapeutic Advances in Chronic Disease</i> , 2020, 11, 204062232092415.	2.5	18
115	Safety of Direct Intraparenchymal AAVrh.10-Mediated Central Nervous System Gene Therapy for Metachromatic Leukodystrophy. <i>Human Gene Therapy</i> , 2021, 32, 563-580.	2.7	18
116	Cocaine vaccine dAd5GNE protects against moderate daily and high-dose binge-cocaine use. <i>PLoS ONE</i> , 2020, 15, e0239780.	2.5	18
117	Two hits in one: whole genome sequencing unveils LIG4 syndrome and urofacial syndrome in a case report of a child with complex phenotype. <i>BMC Medical Genetics</i> , 2016, 17, 84.	2.1	17
118	Exome Sequencing of Only Seven Qataris Identifies Potentially Deleterious Variants in the Qatari Population. <i>PLoS ONE</i> , 2012, 7, e47614.	2.5	16
119	Attenuation of the Niemann-Pick type C2 disease phenotype by intracisternal administration of an AAVrh.10 vector expressing Npc2. <i>Experimental Neurology</i> , 2018, 306, 22-33.	4.1	16
120	Single-Cell Transcriptome Analysis of Mouse Liver Cell-Specific Tropism and Transcriptional Dysregulation Following Intravenous Administration of AAVrh.10 Vectors. <i>Human Gene Therapy</i> , 2020, 31, 590-604.	2.7	15
121	Increased airway iron parameters and risk for exacerbation in COPD: an analysis from SPIROMICS. <i>Scientific Reports</i> , 2020, 10, 10562.	3.3	14
122	Symmetric Age Association of Retinal Degeneration in Patients with CLN2-Associated Batten Disease. <i>Ophthalmology Retina</i> , 2020, 4, 728-736.	2.4	14
123	Extracellular vesicles from human airway basal cells respond to cigarette smoke extract and affect vascular endothelial cells. <i>Scientific Reports</i> , 2021, 11, 6104.	3.3	14
124	Intrapleural Gene Therapy for Alpha-1 Antitrypsin Deficiency-Related Lung Disease. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , 2018, 5, 244-257.	0.7	14
125	Prevalence of the Apolipoprotein E Arg145Cys Dyslipidemia At-Risk Polymorphism in African-Derived Populations. <i>American Journal of Cardiology</i> , 2014, 113, 302-308.	1.6	13
126	Role of SLMAP genetic variants in susceptibility of diabetes and diabetic retinopathy in Qatari population. <i>Journal of Translational Medicine</i> , 2015, 13, 61.	4.4	13

#	ARTICLE	IF	CITATIONS
127	Endothelial MMP14 is required for endothelial dependent growth support of human airway basal cells. <i>Journal of Cell Science</i> , 2015, 128, 2983-8.	2.0	13
128	Anti-Phospho-Tau Gene Therapy for Chronic Traumatic Encephalopathy. <i>Human Gene Therapy</i> , 2020, 31, 57-69.	2.7	13
129	HIV Reprograms Human Airway Basal Stem/Progenitor Cells to Acquire a Tissue-Destructive Phenotype. <i>Cell Reports</i> , 2017, 19, 1091-1100.	6.4	12
130	An independent component analysis confounding factor correction framework for identifying broad impact expression quantitative trait loci. <i>PLoS Computational Biology</i> , 2017, 13, e1005537.	3.2	12
131	p63 Silencing induces reprogramming of cardiac fibroblasts into cardiomyocyte-like cells. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 556-565.e1.	0.8	12
132	HIV induces airway basal progenitor cells to adopt an inflammatory phenotype. <i>Scientific Reports</i> , 2021, 11, 3988.	3.3	12
133	Smoking shifts human small airway epithelium club cells toward a lesser differentiated population. <i>Npj Genomic Medicine</i> , 2021, 6, 73.	3.8	12
134	Double-Blinded, Placebo-Controlled, Randomized Gene Therapy Using Surgery for Vector Delivery. <i>Human Gene Therapy</i> , 2012, 23, 438-441.	2.7	11
135	Cannulation of the internal carotid artery in mice: A novel technique for intra-arterial delivery of therapeutics. <i>Journal of Neuroscience Methods</i> , 2014, 222, 106-110.	2.5	11
136	The Role of Interleukin-23 in the Early Development of Emphysema in HIV1 ⁺ Smokers. <i>Journal of Immunology Research</i> , 2016, 2016, 1-14.	2.2	11
137	Cigarette Smoking Induces Changes in Airway Epithelial Expression of Genes Associated with Monogenic Lung Disorders. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 215-217.	5.6	11
138	Endothelial Cell Mediated Promotion of Ciliated Cell Differentiation of Human Airway Basal Cells via Insulin and Insulin-Like Growth Factor 1 Receptor Mediated Signaling. <i>Stem Cell Reviews and Reports</i> , 2017, 13, 309-317.	5.6	11
139	Gene therapy for a murine model of eosinophilic esophagitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2740-2752.	5.7	11
140	Up-regulation of ACE2, the SARS-CoV-2 receptor, in asthmatics on maintenance inhaled corticosteroids. <i>Respiratory Research</i> , 2021, 22, 200.	3.6	10
141	Epicardial delivery of XC001 gene therapy for refractory angina coronary treatment (The EXACT Trial): Rationale, design, and clinical considerations. <i>American Heart Journal</i> , 2021, 241, 38-49.	2.7	10
142	Augmentation treatment for $\hat{\alpha}1$ antitrypsin deficiency. <i>Lancet, The</i> , 2015, 386, 318-320.	13.7	9
143	Mandatory role of HMGA1 in human airway epithelial normal differentiation and post-injury regeneration. <i>Oncotarget</i> , 2018, 9, 14324-14337.	1.8	9
144	Whole-methylome analysis of circulating monocytes in acute diabetic Charcot foot reveals differentially methylated genes involved in the formation of osteoclasts. <i>Epigenomics</i> , 2019, 11, 281-296.	2.1	8

#	ARTICLE	IF	CITATIONS
145	Exome sequencing-based identification of novel type 2 diabetes risk allele loci in the Qatari population. PLoS ONE, 2018, 13, e0199837.	2.5	7
146	Reply to Sharma and Zeki: Does Vaping Increase Susceptibility to COVID-19?. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1056-1057.	5.6	7
147	Identifying novel associations in GWAS by hierarchical Bayesian latent variable detection of differentially misclassified phenotypes. BMC Bioinformatics, 2020, 21, 178.	2.6	7
148	Long-term functional correction of cystathionine Î²-synthase deficiency in mice by adeno-associated viral gene therapy. Journal of Inherited Metabolic Disease, 2021, 44, 1382-1392.	3.6	7
149	Advances in the treatment of neuronal ceroid lipofuscinosis. Expert Opinion on Orphan Drugs, 2013, 1, 951-975.	0.8	6
150	Progression to COPD in smokers with normal spirometry/low DLCO using different methods to determine normal levels. European Respiratory Journal, 2016, 47, 1888-1889.	6.7	6
151	Refining Current Scientific Priorities and Identifying New Scientific Gaps in HIV-Related Heart, Lung, Blood, and Sleep Research. AIDS Research and Human Retroviruses, 2017, 33, 889-897.	1.1	6
152	Systemic Adeno-Associated Virus-Mediated Gene Therapy Prevents the Multiorgan Disorders Associated with Aldehyde Dehydrogenase 2 Deficiency and Chronic Ethanol Ingestion. Human Gene Therapy, 2020, 31, 163-182.	2.7	6
153	CREB-dependent LPA-induced signaling initiates a pro-fibrotic feedback loop between small airway basal cells and fibroblasts. Respiratory Research, 2021, 22, 97.	3.6	6
154	Lumbar Spine Intervertebral Disc Gene Delivery: A Pilot Study in Lewis Rats. HSS Journal, 2013, 9, 36-41.	1.7	5
155	Role of KRAS in regulating normal human airway basal cell differentiation. Respiratory Research, 2019, 20, 181.	3.6	5
156	Association of Differing Qatari Genotypes with Vitamin D Metabolites. International Journal of Endocrinology, 2020, 2020, 1-6.	1.5	4
157	The QChip1 knowledgebase and microarray for precision medicine in Qatar. Npj Genomic Medicine, 2022, 7, 3.	3.8	4
158	Compelling evidence for the efficacy of Î±1-antitrypsin augmentation treatment for Î±1-antitrypsin deficiency. Lancet Respiratory Medicine, the, 2017, 5, 7-8.	10.7	3
159	A Novel STK4 Mutation Impairs T Cell Immunity Through Dysregulation of Cytokine-Induced Adhesion and Chemotaxis Genes. Journal of Clinical Immunology, 2021, 41, 1839-1852.	3.8	3
160	Impaired differentiation of small airway basal stem/progenitor cells in people living with HIV. Scientific Reports, 2022, 12, 2966.	3.3	3
161	Automated Retinal Layer Segmentation in CLN2-Associated Disease: Commercially Available Software Characterizing a Progressive Maculopathy. Translational Vision Science and Technology, 2021, 10, 23.	2.2	2
162	Gene therapy in a murine model of chronic eosinophilic leukemia-not otherwise specified (CEL-NOS). Leukemia, 2021, .	7.2	2

#	ARTICLE	IF	CITATIONS
163	Apoptosis Induced by <i>Pseudomonas aeruginosa</i> in Antigen Presenting Cells Is Diminished by Genetic Modification with CD40 Ligand. <i>Pediatric Research</i> , 2002, 52, 636-644.	2.3	2
164	Genetic Modification of the AAV5 Capsid with Lysine Residues Results in a Lung-Tropic Liver-Detargeted Gene Transfer Vector. <i>Human Gene Therapy</i> , 2022, 33, 148-154.	2.7	2
165	455. Safety of Vaccination to Treat Cocaine Addiction with Capsid Proteins from a Disrupted Adenovirus Conjugated to a Cocaine Analog. <i>Molecular Therapy</i> , 2015, 23, S180-S181.	8.2	1
166	Adenovirus-Based Vaccines for the Treatment of Substance Use Disorders. , 2016, , 229-248.		1
167	Qatari Genotype May Contribute to Complications in Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-6.	2.3	1
168	Primum Non Nocere: Should Gene Therapy Be Used to Prevent Potentially Fatal Disease but Enable Potentially Destructive Behavior?. <i>Human Gene Therapy</i> , 2021, 32, 529-534.	2.7	1
169	Can gene therapy be used to prevent cancer? Gene therapy for aldehyde dehydrogenase 2 deficiency. <i>Cancer Gene Therapy</i> , 2022, 29, 889-896.	4.6	1
170	My Pathway to Gene Therapy. <i>Human Gene Therapy</i> , 2020, 31, 273-282.	2.7	0
171	Tie-2 Activation Is Required for Regeneration of Marrow Vasculature, Supporting Hematopoietic Reconstitution.. <i>Blood</i> , 2004, 104, 1297-1297.	1.4	0
172	Adenovirus Vector E4 Gene Promotes Angiogenesis through Modulation of Junctional Connexin 40 and 43 Expression.. <i>Blood</i> , 2004, 104, 5277-5277.	1.4	0
173	Correction of a Murine Model of Von Willebrand Disease by Gene Transfer.. <i>Blood</i> , 2004, 104, 3180-3180.	1.4	0
174	The effect of systemic antioxidant supplementation on lung compartment antioxidants and systemic and lung-specific F2-isoprostane concentrations. <i>FASEB Journal</i> , 2009, 23, LB484.	0.5	0
175	Cardiac Biointerventions Whatever Happened to Stem Cell and Gene Therapy?. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2012, 7, 173-179.	0.9	0
176	Cell-specific upregulation of lung "cancer signature genes" in the small airway epithelium of asymptomatic smokers.. <i>Journal of Clinical Oncology</i> , 2019, 37, 3109-3109.	1.6	0
177	Novel MYO5B Mutation in Microvillous Inclusion Disease of Syrian Ancestry. <i>Journal of Physical Education and Sports Management</i> , 2021, , mcs.a006103.	1.2	0