Airway Mucus Function and Dysfunction

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Citation Report

#	Article	IF	Citations
1	Ginseng aqueous extract attenuates the production of virulence factors, stimulates twitching and adhesion, and eradicates biofilms of Pseudomonas aeruginosa. Canadian Journal of Physiology and Pharmacology, 2011, 89, 419-427.	0.7	18
2	Connexins as therapeutic targets in lung disease. Expert Opinion on Therapeutic Targets, 2011, 15, 989-1002.	1.5	38
3	Airway Mucus Function and Dysfunction. New England Journal of Medicine, 2011, 364, 978-978.	13.9	28
4	Allergic Bronchopulmonary Aspergillosis and Related Allergic Syndromes. Seminars in Respiratory and Critical Care Medicine, 2011, 32, 682-692.	0.8	72
5	New insights into the immunology of chronic obstructive pulmonary disease. Lancet, The, 2011, 378, 1015-1026.	6.3	609
6	Nontypeable Haemophilus influenzae in chronic obstructive pulmonary disease and lung cancer. International Journal of COPD, 2011, 6, 113.	0.9	74
7	Use of the EpiAirway Model for Characterizing Long-term Host-pathogen Interactions. Journal of Visualized Experiments, 2011, , e3261.	0.2	16
8	Mucoadhesive Nanoparticles May Disrupt the Protective Human Mucus Barrier by Altering Its Microstructure. PLoS ONE, 2011, 6, e21547.	1.1	90
9	TRPV1 and TRPA1 stimulation induces MUC5B secretion in the human nasal airway in vivo. Clinical Physiology and Functional Imaging, 2011, 31, 435-444.	0.5	23
10	Pathophysiology of allergic inflammation. Immunological Reviews, 2011, 242, 31-50.	2.8	281
11	The sentinel role of the airway epithelium in asthma pathogenesis. Immunological Reviews, 2011, 242, 205-219.	2.8	338
12	Mucin granule-associated proteins in human bronchial epithelial cells: the airway goblet cell "granulome". Respiratory Research, 2011, 12, 118.	1.4	23
13	Airway Epithelial Transcription Factor NK2 Homeobox 1 Inhibits Mucous Cell Metaplasia and Th2 Inflammation. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 421-429.	2.5	73
14	Toll-Like Receptor 4 Potentiates Ca²⁺-Dependent Secretion of Electrolytes from Swine Tracheal Glands. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 1101-1110.	1.4	11
16	A therapeutic role for matrix metalloproteinase inhibitors in lung diseases?. European Respiratory Journal, 2011, 38, 1200-1214.	3.1	105
18	Beyond corticosteroids: future prospects in the management of inflammation in COPD. European Respiratory Review, 2011, 20, 175-182.	3.0	37
19	Cystic fibrosis and the relationship between mucin and chloride secretion by cultures of human airway gland mucous cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L402-L414.	1.3	33
20	Munc18b is an essential gene in mice whose expression is limiting for secretion by airway epithelial and mast cells. Biochemical Journal, 2012, 446, 383-394.	1.7	36

#	Article	IF	Citations
21	The ly-6 protein, lynx1, is an endogenous inhibitor of nicotinic signaling in airway epithelium. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L661-L668.	1.3	23
22	Niflumic Acid Inhibits Goblet Cell Degranulation in a Guinea Pig Asthma Model. Allergology International, 2012, 61, 133-142.	1.4	21
23	Molecular aspects of mucin biosynthesis and mucus formation in the bovine cervix during the periestrous period. Physiological Genomics, 2012, 44, 1165-1178.	1.0	45
24	Patients with Asthma Benefit from Concomitant Therapy with Cineole: A Placebo-Controlled, Double-Blind Trial. Journal of Asthma, 2012, 49, 849-853.	0.9	63
25	Empirical Bayes conditional independence graphs for regulatory network recovery. Bioinformatics, 2012, 28, 2029-2036.	1.8	7
26	PPARÎ³as a Potential Target to Treat Airway Mucus Hypersecretion in Chronic Airway Inflammatory Diseases. PPAR Research, 2012, 2012, 1-6.	1.1	18
27	The loss ofHoxa5function promotes Notch-dependent goblet cell metaplasia in lung airways. Biology Open, 2012, 1, 677-691.	0.6	78
28	Airway Epithelium. Colloquium Series on Integrated Systems Physiology From Molecule To Function, 2012, 4, 1-148.	0.3	0
29	Functionalized carboxyl nanoparticles enhance mucus dispersion and hydration. Scientific Reports, 2012, 2, 211.	1.6	18
31	The role of cell tropism for the pathogenesis of influenza in humans. Future Virology, 2012, 7, 295-307.	0.9	6
32	Potential mucolytic agents for mucinous ascites from pseudomyxoma peritonei. Investigational New Drugs, 2012, 30, 2080-2086.	1.2	9
33	Benefits and risks of manual hyperinflation in intubated and mechanically ventilated intensive care unit patients: a systematic review. Critical Care, 2012, 16, R145.	2.5	66
34	Pulmonary tuberculosis initially presented by hoarseness. International Journal of Mycobacteriology, 2012, 1, 94-95.	0.3	2
35	Role of epithelial mucins during airway infection. Pulmonary Pharmacology and Therapeutics, 2012, 25, 415-419.	1.1	76
36	Pharmacologic Agents for Mucus Clearance in Bronchiectasis. Clinics in Chest Medicine, 2012, 33, 363-370.	0.8	23
37	Airway Epithelial miRNA Expression Is Altered in Asthma. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 965-974.	2.5	222
38	The role of SPINK5 in asthma related physiological events in the airway epithelium. Respiratory Medicine, 2012, 106, 349-355.	1.3	16
39	A Periciliary Brush Promotes the Lung Health by Separating the Mucus Layer from Airway Epithelia. Science, 2012, 337, 937-941.	6.0	649

#	Article	IF	Citations
40	Walking on Solid Ground. Science, 2012, 337, 924-925.	6.0	20
41	SAM-pointed domain ETS factor mediates epithelial cellâ€“intrinsic innate immune signaling during airway mucous metaplasia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16630-16635.	3.3	45
43	Effect of diesel exhaust particles on human middle ear epithelial cells. International Journal of Pediatric Otorhinolaryngology, 2012, 76, 334-338.	0.4	40
44	Quercetin attenuates airway inflammation and mucus production induced by cigarette smoke in rats. International Immunopharmacology, 2012, 13, 73-81.	1.7	50
45	VAMP8 is a vesicle SNARE that regulates mucin secretion in airway goblet cells. Journal of Physiology, 2012, 590, 545-562.	1.3	50
46	Effects of guaifenesin, N-acetylcysteine, and ambroxol on MUC5AC and mucociliary transport in primary differentiated human tracheal-bronchial cells. Respiratory Research, 2012, 13, 98.	1.4	46
47	Genes associated with MUC5AC expression in small airway epithelium of human smokers and non-smokers. BMC Medical Genomics, 2012, 5, 21.	0.7	49
48	Respiratory Tract. , 2012, , 207-261.		2
49	Lactoferrin: an alternative view of its role in human biological fluids¹This article is part of a Special Issue entitled Lactoferrin and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2012, 90, 279-306.	0.9	67
50	Calcium-activated chloride channel TMEM16A modulates mucin secretion and airway smooth muscle contraction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16354-16359.	3.3	290
51	Asthma and Respiratory Allergic Disease. Molecular and Integrative Toxicology, 2012, , 51-101.	0.5	0
52	The non-neuronal cholinergic system as novel drug target in the airways. Life Sciences, 2012, 91, 1113-1118.	2.0	27
53	Exploration and approach to artificial airway dysphagia. Medicina Intensiva (English Edition), 2012, 36, 423-433.	0.1	14
55	Immunotoxicity, Immune Dysfunction, and Chronic Disease. Molecular and Integrative Toxicology, 2012, , .	0.5	4
56	Assessment of Intracellular Mucin Content In Vivo. Methods in Molecular Biology, 2012, 842, 279-295.	0.4	28
57	Mucins. Methods in Molecular Biology, 2012, , .	0.4	6
58	A Crucial Role of Flagellin in the Induction of Airway Mucus Production by Pseudomonas aeruginosa. PLoS ONE, 2012, 7, e39888.	1.1	29
59	Mechanisms of the innate immunity in the respiratory system. Central-European Journal of Immunology, 2012, 3, 280-285.	0.4	2

#	Article	IF	Citations
60	Acute Bronchitis and Tracheitis. , 2012, , 586-587.		1
61	1.2 Gasaustauschendes System. , 2012, , .		0
62	Allergic host defences. Nature, 2012, 484, 465-472.	13.7	316
63	Metabolomic profiling of regulatory lipid mediators in sputum from adult cystic fibrosis patients. Free Radical Biology and Medicine, 2012, 53, 160-171.	1.3	120
64	Omics approaches in cystic fibrosis research: a focus on oxylipin profiling in airway secretions. Annals of the New York Academy of Sciences, 2012, 1259, 1-9.	1.8	13
65	Protracted Bacterial Bronchitis in Young Children: Association with Airway Malacia. Journal of Pediatrics, 2012, 160, 88-92.	0.9	122
66	What is severe asthma?. Clinical and Experimental Allergy, 2012, 42, 617-624.	1.4	20
67	The function of mucins in the COPD airway. Current Respiratory Care Reports, 2013, 2, 155-166.	0.6	15
68	Bronchial epithelium as a target for innovative treatments in asthma. , 2013, 140, 290-305.		106
69	Organic Electrochemical Transistor Array for Recording Transepithelial Ion Transport of Human Airway Epithelial Cells. Advanced Materials, 2013, 25, 6575-6580.	11.1	59
70	Changes in water channel aquaporin 1 and aquaporin 5 in the small airways and the alveoli in a rat asthma model. Micron, 2013, 45, 68-73.	1.1	22
71	Transport of mucoid mucus in healthy individuals and patients with chronic obstructive pulmonary disease and bronchiectasis. Revista Portuguesa De Pneumologia, 2013, 19, 211-216.	0.7	4
72	Liquid chromatographyâ€“tandem mass spectrometry approach for quantification of mucins from sputum using 13C,15N-labeled peptides as internal standards. Analytical Biochemistry, 2013, 434, 84-92.	1.1	6
73	The role of macrophages in obstructive airways disease: Chronic obstructive pulmonary disease and asthma. Cytokine, 2013, 64, 613-625.	1.4	52
74	Smoking and Lung Inflammation. , 2013, , .		2
75	Exchange Protein Directly Activated by cAMP (epac): A Multidomain cAMP Mediator in the Regulation of Diverse Biological Functions. Pharmacological Reviews, 2013, 65, 670-709.	7.1	230
76	The role of SCCA1 in asthma related physiological events in the airway epithelium and the effect of promoter variants on asthma and gene function. Respiratory Medicine, 2013, 107, 368-379.	1.3	9
77	Pharmacotherapy Challenges of Fontan-Associated Plastic Bronchitis: A Rare Pediatric Disease. Pharmacotherapy, 2013, 33, 922-934.	1.2	21

#	Article	IF	Citations
78	Carcinoembryonic antigen (CEA)-related cell adhesion molecules are co-expressed in the human lung and their expression can be modulated in bronchial epithelial cells by non-typable Haemophilus influenzae, Moraxella catarrhalis, TLR3, and type I and II interferons. Respiratory Research, 2013, 14, 85.	1.4	59
79	Efficacy of cineole in patients suffering from acute bronchitis: a placebo-controlled double-blind trial. Cough, 2013, 9, 25.	2.7	52
80	Influenza A penetrates host mucus by cleaving sialic acids with neuraminidase. Virology Journal, 2013, 10, 321.	1.4	229
81	A mechanochemical model for auto-regulation of lung airway surface layer volume. Journal of Theoretical Biology, 2013, 325, 42-51.	0.8	11
82	Clinical translation of RNAi-based treatments for respiratory diseases. Drug Delivery and Translational Research, 2013, 3, 84-99.	3.0	6
83	High-Frequency Chest Wall Oscillation Successful in Controlling Refractory Asthma. Journal of Asthma, 2013, 50, 219-221.	0.9	0
84	Longitudinal Cystic Fibrosis Care. Clinical Pharmacology and Therapeutics, 2013, 93, 86-97.	2.3	12
86	Immunopathogenesis of allergic disorders: current concepts. Expert Review of Clinical Immunology, 2013, 9, 211-226.	1.3	15
87	Airway Surface Liquid and Respiratory Mucus. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 749-787.	0.1	0
88	Cellular and Molecular Biology of Airway Mucins. International Review of Cell and Molecular Biology, 2013, 303, 139-202.	1.6	143
90	Distinct PKA and Epac compartmentalization in airway function and plasticity. , 2013, 137, 248-265.		45
91	Nanoparticle diffusion in respiratory mucus from humans without lung disease. Biomaterials, 2013, 34, 3439-3446.	5.7	336
92	Influenza virus budding from the tips of cellular microvilli in differentiated human airway epithelial cells. Journal of General Virology, 2013, 94, 971-976.	1.3	32
93	Cilia-driven particle and fluid transport over mucus-free mice tracheae. Journal of Biomechanics, 2013, 46, 593-598.	0.9	25
94	AARC Clinical Practice Guideline: Effectiveness of Nonpharmacologic Airway Clearance Therapies in Hospitalized Patients. Respiratory Care, 2013, 58, 2187-2193.	0.8	125
95	Chest Physical Therapy in Acute Viral Bronchiolitis: An Updated Review. Respiratory Care, 2013, 58, 1541-1545.	0.8	26
96	Hypertonic Saline Is Effective in the Prevention and Treatment of Mucus Obstruction, but Not Airway Inflammation, in Mice with Chronic Obstructive Lung Disease. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 410-417.	1.4	45
97	Near-Universal Prevalence of Pneumocystis and Associated Increase in Mucus in the Lungs of Infants With Sudden Unexpected Death. Clinical Infectious Diseases, 2013, 56, 171-179.	2.9	58

#	Article	IF	Citations
98	The Cellular Effects of Carbon Monoxide in the Airway. Current Molecular Medicine, 2013, 13, 94-108.	0.6	4
99	Molecular organization of the mucins and glycocalyx underlying mucus transport over mucosal surfaces of the airways. Mucosal Immunology, 2013, 6, 379-392.	2.7	176
100	Cigarette smoke and CFTR: implications in the pathogenesis of COPD. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L530-L541.	1.3	133
101	Flagellin/TLR5 signaling potentiates airway serous secretion from swine tracheal submucosal glands. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L819-L830.	1.3	6
102	Regulated Mucin Secretion from Airway Epithelial Cells. Frontiers in Endocrinology, 2013, 4, 129.	1.5	101
103	Detrimental role of the airway mucin Muc5ac during ventilator-induced lung injury. Mucosal Immunology, 2013, 6, 762-775.	2.7	63
104	Respiratory therapy device modifications to prevent ventilator-associated pneumonia. Current Opinion in Infectious Diseases, 2013, 26, 175-183.	1.3	21
105	Effects of Cigarette Smoking Intensity on the Mucociliary Clearance of Active Smokers. Respiration, 2013, 86, 479-485.	1.2	35
106	The Toxicant Induction of Irritant Asthma, Rhinitis, and Related Conditions. , 2013, , .		0
107	Time invested in the global respiratory care of cystic fibrosis paediatrics patients. Clinical Respiratory Journal, 2013, 7, 338-341.	0.6	7
108	A Hybrid Grid-Particle Method for Moving Bodies in 3D Stokes Flow with Variable Viscosity. SIAM Journal of Scientific Computing, 2013, 35, B925-B949.	1.3	23
110	An Interface-Capturing Regularization Method for Solving the Equations for Two-Fluid Mixtures. Communications in Computational Physics, 2013, 14, 1322-1346.	0.7	7
111	Acquired Cystic Fibrosis Transmembrane Conductance Regulator Dysfunction in the Lower Airways in COPD. Chest, 2013, 144, 498-506.	0.4	163
113	Mucociliary Clearance Defects in a Murine In Vitro Model of Pneumococcal Airway Infection. PLoS ONE, 2013, 8, e59925.	1.1	32
114	IP-10 Is a Potential Biomarker of Cystic Fibrosis Acute Pulmonary Exacerbations. PLoS ONE, 2013, 8, e72398.	1.1	21
115	Attenuation of Cigarette Smoke-Induced Airway Mucus Production by Hydrogen-Rich Saline in Rats. PLoS ONE, 2013, 8, e83429.	1.1	36
116	Mannitol Enhances Antibiotic Sensitivity of Persister Bacteria in Pseudomonas aeruginosa Biofilms. PLoS ONE, 2013, 8, e84220.	1.1	139
117	A Biophysical Basis for Mucus Solids Concentration as a Candidate Biomarker for Airways Disease. PLoS ONE, 2014, 9, e87681.	1.1	156

#	Article	IF	Citations
119	The epithelium in idiopathic pulmonary fibrosis: breaking the barrier. Frontiers in Pharmacology, 2014, 4, 173.	1.6	192
120	Gaining the Upper Hand on Pulmonary Drug Delivery. Journal of Pharmacovigilance, 2014, 02, 118.	0.2	5
121	Lung Defense Mechanisms. , 2014, , 280-291.		0
122	Airway Mucus Obstruction Triggers Macrophage Activation and Matrix Metalloproteinase 12â€“Dependent Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 709-720.	1.4	76
123	Gene expression in whole lung and pulmonary macrophages reflects the dynamic pathology associated with airway surface dehydration. BMC Genomics, 2014, 15, 726.	1.2	37
124	Assessing mucociliary transport of single particles in vivo shows variable speed and preference for the ventral trachea in newborn pigs. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2355-2360.	3.3	65
125	FOXJ1 Prevents Cilia Growth Inhibition by Cigarette Smoke in Human Airway Epithelium In Vitro. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 688-700.	1.4	69
126	Septin functions in organ system physiology and pathology. Biological Chemistry, 2014, 395, 123-141.	1.2	144
127	Nicotine alters mucin rheological properties. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L149-L157.	1.3	27
128	Role of anion exchangers in Clâ^' and HCO3â^' secretion by the human airway epithelial cell line Calu-3. American Journal of Physiology - Cell Physiology, 2014, 307, C208-C219.	2.1	17
129	Re: Self TH, Patterson SJ, Headley AS, et al. Action plans to reduce hospitalizations for chronic obstructive pulmonary disease exacerbations: focus on oral corticosteroids. Curr Med Res Opin 2014;30(12):2607-15. Current Medical Research and Opinion, 2014, 30, 2617-2618.	0.9	0
130	Dectin-1 Is Expressed in Human Lung and Mediates the Proinflammatory Immune Response to Nontypeable Haemophilus influenzae. MBio, 2014, 5, e01492-14.	1.8	84
131	Pulmonary Fluid Flow Challenges for Experimental and Mathematical Modeling. Integrative and Comparative Biology, 2014, 54, 985-1000.	0.9	39
132	Pulmonary Disease Potentially Associated with <scp>N</scp>icoletella semolina in 3 Young Horses. Journal of Veterinary Internal Medicine, 2014, 28, 939-943.	0.6	6
133	Mucociliary clearance: pathophysiological aspects. Clinical Physiology and Functional Imaging, 2014, 34, 171-177.	0.5	135
134	Current concepts: host-pathogen interactions in cystic fibrosis airways disease. European Respiratory Review, 2014, 23, 320-332.	3.0	55
135	Ciliary Inclusion Disease: Report of a New Primary Ciliary Dyskinesia Variant. Pediatric and Developmental Pathology, 2014, 17, 465-469.	0.5	8
136	Secretory Hyperresponsiveness and Pulmonary Mucus Hypersecretion. Chest, 2014, 146, 496-507.	0.4	56

#	Article	IF	Citations
137	In Vitro Spatial and Temporal Analysis of Mycoplasma pneumoniae Colonization of Human Airway Epithelium. Infection and Immunity, 2014, 82, 579-586.	1.0	52
138	Ets homologous factor regulates pathways controlling response to injury in airway epithelial cells. Nucleic Acids Research, 2014, 42, 13588-13598.	6.5	38
139	Lack of Neutrophil Elastase Reduces Inflammation, Mucus Hypersecretion, and Emphysema, but Not Mucus Obstruction, in Mice with Cystic Fibrosisâ€“like Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1082-1092.	2.5	116
140	The surface charge of liposomal adjuvants is decisive for their interactions with the Calu-3 and A549 airway epithelial cell culture models. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 480-488.	2.0	20
141	Anoctamin 1 in secretory epithelia. Cell Calcium, 2014, 55, 355-361.	1.1	40
142	Impact of heterozygote CFTR Mutations in COPD patients with Chronic Bronchitis. Respiratory Research, 2014, 15, 18.	1.4	33
143	Cellular and Molecular Mechanisms of Chronic Obstructive Pulmonary Disease. Clinics in Chest Medicine, 2014, 35, 71-86.	0.8	352
144	Efficient Bioactive Delivery of Aerosolized Drugs to Human Pulmonary Epithelial Cells Cultured in Airâ€“Liquid Interface Conditions. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 526-535.	1.4	92
145	Mammalian short palate lung and nasal epithelial clone 1 (SPLUNC1) in pH-dependent airway hydration. International Journal of Biochemistry and Cell Biology, 2014, 52, 130-135.	1.2	30
146	Advances in Inhaled Technologies: Understanding the Therapeutic Challenge, Predicting Clinical Performance, and Designing the Optimal Inhaled Product. Clinical Pharmacology and Therapeutics, 2014, 95, 509-520.	2.3	53
147	Biological activities of 'noninfectious' influenza A virus particles. Future Virology, 2014, 9, 41-51.	0.9	69
148	Muc5b is required for airway defence. Nature, 2014, 505, 412-416.	13.7	617
149	Failure of Respiratory Defenses in the Pathogenesis of Bacterial Pneumonia of Cattle. Veterinary Pathology, 2014, 51, 393-409.	0.8	100
150	Modulation of expression in BEAS-2B airway epithelial cells of Î±-l-fucosidase A1 and A2 by Th1 and Th2 cytokines, and overexpression of Î±-l-fucosidase 2. Molecular and Cellular Biochemistry, 2014, 390, 101-113.	1.4	10
151	Anatomic and Physiologic Aspects of Airways. , 2014, , 64-73.		0
152	Mycoplasma pneumoniae Modulates STAT3-STAT6/EGFR-FOXA2 Signaling To Induce Overexpression of Airway Mucins. Infection and Immunity, 2014, 82, 5246-5255.	1.0	69
153	Genetics and Early Detection in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 770-778.	2.5	72
155	The Limpet controlled drug cabinet alarm and camera. Critical Care, 2014, 18, .	2.5	1

#	Article	IF	Citations
156	Role of pharmacist in multidisciplinary pediatric intensive care rounds: a retrospective descriptive study. Critical Care, 2014, 18, .	2.5	2
157	Improvement in the identification and management of inadvertent hypothermia in the critically ill: an audit cycle. Critical Care, 2014, 18, .	2.5	0
158	Compliance of a ventilator-associated pneumonia care bundle in an adult intensive care setting. Critical Care, 2014, 18, .	2.5	3
159	Referrals to a critical care unit: compliance with the NCEPOD recommendations. Critical Care, 2014, 18, .	2.5	0
160	Organisational changes in service provision outside critical care impact on referral patterns. Critical Care, 2014, 18, .	2.5	0
161	Demands on a continuing education online-study program for physicians. Critical Care, 2014, 18, .	2.5	0
162	Do generic measures fully capture health-related quality of life in adult, general critical care survivors?. Critical Care, 2014, 18, .	2.5	0
163	Surgical HDU admissions: utilisation, organ support and finance. Critical Care, 2014, 18, .	2.5	0
164	Convalescence via critical care collaboration. Critical Care, 2014, 18, .	2.5	0
165	Can dynamic light improve melatonin production and quality of sleep?. Critical Care, 2014, 18, .	2.5	2
166	Targeting blood tests in the ICU may lead to a significant cost reduction. Critical Care, 2014, 18, .	2.5	4
167	Results of the Telemedicine Program for implementation of the Surviving Sepsis Campaign Protocol in a community Brazilian hospital. Critical Care, 2014, 18, .	2.5	0
168	ICU nursing connectivity and the quality of care in an academic medical center: a network analysis. Critical Care, 2014, 18, .	2.5	0
169	Compassion fatigue and burnout among healthcare professionals in the ICU. Critical Care, 2014, 18, .	2.5	6
170	Effect of divergences about patient's care plan on the outcome of critically ill patients. Critical Care, 2014, 18, .	2.5	0
171	Prevalence, risk factors and consequences of intra-team conflicts in the ICU. Critical Care, 2014, 18, .	2.5	0
172	Do we spend less on older critically ill patients? Relationship among intensity of care, severity of illness and mortality. Critical Care, 2014, 18, .	2.5	0
173	New policy for ICU visits: prospective study. Critical Care, 2014, 18, .	2.5	1

#	Article	IF	Citations
174	Dealing with cultural diversity during the process of communication and decision-making in the ICU: a literature review. Critical Care, 2014, 18, .	2.5	1
175	Symptoms of anxiety, depression and post-traumatic stress in pairs of patients and their family members during and following ICU stay: who suffers most?. Critical Care, 2014, 18, .	2.5	2
176	Heart-focused anxiety in critically ill patients' relatives. Critical Care, 2014, 18, .	2.5	0
177	Family satisfaction in the ICU: a 6-month experience. Critical Care, 2014, 18, .	2.5	0
178	Qualitative analysis of a family satisfaction in an adult ICU. Critical Care, 2014, 18, .	2.5	1
179	Outcomes of ventilated surgical and medical ICU patients: do patients die from ARDS or with ARDS?. Critical Care, 2014, 18, .	2.5	1
180	Advance care planning in critically ill haematology patients. Critical Care, 2014, 18, .	2.5	0
181	A new questionnaire to determine the effect of team interaction in the ICU on perceived futility and intention to quit: results of a pilot study in two German hospitals. Critical Care, 2014, 18, .	2.5	0
182	ASA helps prediction of the death rate in surgical ICU patients. Critical Care, 2014, 18, .	2.5	0
183	Till death do us part: amyotrophic lateral sclerosis in the ICU. Critical Care, 2014, 18, .	2.5	1
184	Death rate of patients admitted to a Brazilian ICU on weekends and holidays. Critical Care, 2014, 18, .	2.5	2
185	How many ways are there to die? Identification of ICU death typologies using cluster analysis. Critical Care, 2014, 18, .	2.5	0
186	Independent risk factors associated with the decision to withhold therapeutic intervention in patients admitted to the emergency room. Critical Care, 2014, 18, .	2.5	0
187	Autopsy-detected diagnostic errors in critically ill patients with cirrhosis. Critical Care, 2014, 18, .	2.5	0
188	Profile, outcomes, and predictors of mortality of abdomino-pelvic trauma patients in a tertiary ICU in Saudi Arabia. Critical Care, 2014, 18, .	2.5	0
189	Radiation exposure in trauma patients is affected by age. Critical Care, 2014, 18, .	2.5	0
190	Survival rate and predictors of outcome in intubated patients with haematological malignancies in a Greek ICU. Critical Care, 2014, 18, .	2.5	0
191	Predictors of outcome in patients with haematological malignancies admitted to critical care. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
192	Early risk stratification in patients with oncological and hematological malignancies in the emergency department. Critical Care, 2014, 18, .	2.5	0
193	Calculated radiation exposure for trauma patients is lower when using the New Injury Severity Score versus the Injury Severity Score to calculate injury severity. Critical Care, 2014, 18, .	2.5	0
194	Early warning scores: breaking or building barriers to critical care. Critical Care, 2014, 18, .	2.5	0
195	Impact of obesity on outcomes in patients with sepsis. Critical Care, 2014, 18, .	2.5	0
196	Obesity is not associated with poor outcomes in older patients with sepsis. Critical Care, 2014, 18, .	2.5	0
197	Long-term outcome in COPD patients with pneumonic and nonpneumonic exacerbation: a 6-year prospective follow-up study. Critical Care, 2014, 18, .	2.5	0
198	Frailty predicts need for medical review but not degree of organ support after complex orthopaedic surgery. Critical Care, 2014, 18, .	2.5	1
199	Frailty measures in the critically ill: are we approaching a critical age? A systematic review. Critical Care, 2014, 18, .	2.5	1
200	Prediction of 1-year mortality of patients treated for more than 72 hours in an ICU. Critical Care, 2014, 18, .	2.5	1
201	Long-term physical functioning and health-related outcomes in survivors of intensive care. Critical Care, 2014, 18, .	2.5	0
202	Patients with prolonged stay on ICUs and the risk of mortality within 1-year of cardiac surgery. Critical Care, 2014, 18, .	2.5	0
203	Six-month outcomes in lung cancer patients surviving ICU admission: results from a multinational multicenter study. Critical Care, 2014, 18, .	2.5	0
204	Survival and quality of life in patients acquiring acute kidney injury in the first 24 hours of ICU admission. Critical Care, 2014, 18, .	2.5	0
205	Increasing age of patients admitted to intensive care, and association between increased age and greater risk of post-ICU death. Critical Care, 2014, 18, .	2.5	3
206	Outcomes of military patients treated at the UK Royal Centre for Defence Medicine 2007 to 2013. Critical Care, 2014, 18, .	2.5	0
207	Very old patients with cancer admitted to the ICU: outcome and predictive factors of mortality. Critical Care, 2014, 18, .	2.5	0
208	A retrospective review of mortality and complications following oesophagectomy in a large UK teaching hospital. Critical Care, 2014, 18, .	2.5	1
209	SwissScoring: a nationwide survey about SAPS II assessing accuracy. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
210	Abandoning the National Early Warning Score in our district general hospital. Critical Care, 2014, 18, .	2.5	0
211	Endpoint resuscitation-based prediction model for early mortality of severe sepsis and septic shock. Critical Care, 2014, 18, .	2.5	0
212	Is the Golden hour important? Looking at disability and health-related quality of life in a Portuguese trauma registry. Critical Care, 2014, 18, .	2.5	0
213	Predicting outcomes after blunt chest wall trauma: development and external validation of a new prognostic model. Critical Care, 2014, 18, .	2.5	2
214	Transplantation of bone marrow-derived mononuclear cells can improve the survival rate and suppress the inflammatory response in a rat crush injury model. Critical Care, 2014, 18, .	2.5	0
215	Impact of a dedicated trauma desk in ambulance control on the identification of major trauma in Scotland. Critical Care, 2014, 18, .	2.5	0
216	The Manchester Triage System in optimizing triage in adult general medical emergency patients: the Triage Project. Critical Care, 2014, 18, .	2.5	1
217	Introduction of the Kaifu telemedicine system for emergency medicine to ambulance services with improvement of the survival rates. Critical Care, 2014, 18, .	2.5	0
218	Training to achieve coordination of rescue and ambulance and medical teams. Critical Care, 2014, 18, .	2.5	0
219	Complementary cooperation of an ambulance helicopter and car with medical doctors: meaning of simultaneous dispatch. Critical Care, 2014, 18, .	2.5	0
220	Evaluation and prevention of violence in the emergency department in Lebanon. Critical Care, 2014, 18, .	2.5	0
221	Epidemiology and critical care management of patients admitted after intentional self-poisoning. Critical Care, 2014, 18, .	2.5	0
222	Price per unit: the cost of alcohol-related admissions to a regional ICU. Critical Care, 2014, 18, .	2.5	0
223	Clinical research of patients with multiple organ dysfunction syndrome induced by severe heat stroke: nine case reports and literature review. Critical Care, 2014, 18, .	2.5	0
224	Effect of low-dose hydrocortisone on gene expression profiles after severe burn injury. Critical Care, 2014, 18, .	2.5	0
225	Low socioeconomic status, ethnicity and geographical location confers high risk of significant accidental burns injuries in London. Critical Care, 2014, 18, .	2.5	3
226	Effectiveness of noncontrast abdominal multidetector CT for evaluating the patient with renal insufficiency in the emergency department. Critical Care, 2014, 18, .	2.5	0
227	Antipyretics in the emergency department - intravenous paracetamol versus intramuscular diclofenac: a comparative study. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
228	Survey of severe sepsis and septic shock management in Thailand: THAI-SHOCK SURVEY 2013. Critical Care, 2014, 18, .	2.5	1
229	Laboratory early warning score versus clinical early warning score as a predictor of imminent cardiac arrest. Critical Care, 2014, 18, .	2.5	4
230	Hospital mortality predictive factors following Rapid Response Team activation. Critical Care, 2014, 18, .	2.5	1
231	Long-term outcome of the Emergency Response Team system in in-hospital cardiac arrest. Critical Care, 2014, 18, .	2.5	0
232	Epidemiology of unplanned intensive care admissions through inhospital referrals at a tertiary referral centre university hospital. Critical Care, 2014, 18, .	2.5	0
233	Use of low-dose CT KUB: is it becoming the easy way out?. Critical Care, 2014, 18, .	2.5	0
234	Bled dry? An audit of blood sampling practices on an adult intensive therapy unit. Critical Care, 2014, 18, .	2.5	0
235	Decreasing central-line blood draws by consolidation of phlebotomy timing: results of a quality improvement project. Critical Care, 2014, 18, .	2.5	0
236	Introducing an arterial non-injectable connector into clinical practice. Critical Care, 2014, 18, .	2.5	0
237	Novel hemostatic technique using a silicone gel dressing for tangential excision in burn surgery. Critical Care, 2014, 18, .	2.5	0
238	Should we avoid invasive treatment in cancer patients with pericardial tamponade?. Critical Care, 2014, 18, .	2.5	0
239	Goal-directed hemostatic therapy using rotational thromboelastometry in patients requiring emergent cardiovascular surgery. Critical Care, 2014, 18, .	2.5	0
240	Thromboelastometric examination on the ICU before elective procedures. Critical Care, 2014, 18, .	2.5	0
241	ROTEM: Multiplate monitoring in the ICU and outcome scores. Critical Care, 2014, 18, .	2.5	1
242	Retrospective observational study of interventional radiology and critical care coagulopathy. Critical Care, 2014, 18, .	2.5	0
243	Monitoring of treatment with low molecular weight heparins using viscoelastic devices. Critical Care, 2014, 18, .	2.5	2
244	Heparin stability in parenteral nutrition bags prepared in a neonatal ICU. Critical Care, 2014, 18, .	2.5	0
245	Bivalirudin or heparin: which anticoagulation strategy for critically ill cardiac surgery patients?. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
246	Reversal of edoxaban-induced anticoagulation by the four-factor prothrombin complex concentrate BeriplexÂ® in a rabbit model. Critical Care, 2014, 18, .	2.5	0
247	Use of a specific antidote to dabigatran (idarucizumab) reduces blood loss and mortality in dabigatran-induced and trauma-induced bleeding in pigs. Critical Care, 2014, 18, .	2.5	6
248	Primary bivalirudin anticoagulation for patients with an implantable ventricular assist device. Critical Care, 2014, 18, .	2.5	0
249	Plasma-free hemoglobin and microvascular response to fresh or old blood transfusion in septic patients. Critical Care, 2014, 18, .	2.5	0
250	Fatty acid composition of blood plasma in multiple organ dysfunction syndrome. Critical Care, 2014, 18, .	2.5	1
251	Response of coagulation and fibrinolysis system was different between older and nonolder patients with severe sepsis. Critical Care, 2014, 18, .	2.5	0
252	Îµ-Aminocaproic acid does not increase adverse effects in cardiac surgery: an analysis of 2,852 cases. Critical Care, 2014, 18, .	2.5	0
253	Eculizumab treatment of atypical haemolytic uraemic syndrome: results from the largest prospective clinical trial to date. Critical Care, 2014, 18, .	2.5	1
254	Variation in red blood cell transfusion thresholds in critically ill patients. Critical Care, 2014, 18, .	2.5	5
255	A liberal strategy of red blood cell transfusion reduces cardiovascular complications in older patients undergoing cardiac surgery. Critical Care, 2014, 18, .	2.5	1
256	Anemia and high hematocrit are associated with in-hospital mortality in emergency department patients with suspected infection. Critical Care, 2014, 18, .	2.5	0
257	New simplified criteria for predicting massive transfusion in trauma. Critical Care, 2014, 18, .	2.5	0
258	Blood product transfusions in septic patients are associated with mortality, ARDS, and more days on mechanical ventilation. Critical Care, 2014, 18, .	2.5	0
259	Inflammatory properties of microparticles in stored red blood cell transfusion products. Critical Care, 2014, 18, .	2.5	2
260	Influenza A (H1N1): the first hit for transfusion-related acute lung injury?. Critical Care, 2014, 18, .	2.5	0
261	Prothrombin complex concentrate restores haemostasis in a dabigatran anticoagulated polytrauma pig model. Critical Care, 2014, 18, .	2.5	2
262	Effect of a fixed dose of fresh frozen plasma on systemic inflammation and endothelial damage in nonbleeding critically ill patients. Critical Care, 2014, 18, .	2.5	0
263	Application of damage control resuscitation strategies to patients with severe traumatic hemorrhage: review of plasma to packed red blood cell ratios at a single institution. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
264	In a trauma experimental pig model prothrombin complex concentrates and a specific antidote (idarucizumab) are effective to reverse the anticoagulant effects of dabigatran. Critical Care, 2014, 18, .	2.5	4
265	Attenuation of ischemia-reperfusion injury in swine resuscitated for hemorrhagic shock by low-dose inhaled nitrite or carbon monoxide. Critical Care, 2014, 18, .	2.5	0
266	Validation of inflationary non-invasive blood pressure monitoring in emergency room patients. Critical Care, 2014, 18, .	2.5	0
267	Influence of the oscillometric calibration method on accuracy and precision of continuous non-invasive arterial pressure measurements using the CNAPâ„¢ device. Critical Care, 2014, 18, .	2.5	0
268	Arterial pulse waveform as an n-soliton evolution of the left ventricular pressure pulse. Critical Care, 2014, 18, .	2.5	0
269	Tackling the burden of postsurgical complications in the USA: would perioperative goal-directed therapy help?. Critical Care, 2014, 18, .	2.5	1
270	Radiological control of central venous catheter (CVC) versus electrocardiogram-guided control inserted CVC: confirm with transesophageal echocardiography. Critical Care, 2014, 18, .	2.5	1
271	Impact of the neutral position and rotation of the head in ultrasound-guided internal jugular vein catheterization on duration of procedure and complications. Critical Care, 2014, 18, .	2.5	0
272	Anthropometric formulas versus intracavitary ECG for optimal tip position of central venous catheters. Critical Care, 2014, 18, .	2.5	0
273	Residents learning ultrasound-guided catheterization are not sufficiently skilled to use landmarks. Critical Care, 2014, 18, .	2.5	1
274	Development of a standardized method of peripherally inserted central catheter (PICC-line) bedside installation. Critical Care, 2014, 18, .	2.5	1
275	Is chest X-ray necessary after central venous catheter insertion?. Critical Care, 2014, 18, .	2.5	2
276	Diagnostic value of chest ultrasound after cardiac surgery: a comparison with chest X-ray and auscultation. Critical Care, 2014, 18, .	2.5	3
277	Ultrasound measurement of carotid flow time changes with volume status. Critical Care, 2014, 18, .	2.5	7
278	Real-time ultrasound-guided subclavian vein cannulation in cardiac surgery: comparison between short-axis and long-axis techniques. Critical Care, 2014, 18, .	2.5	0
279	Transthoracic echocardiography used in conjunction with passive leg raising for assessment of fluid responsiveness in severe sepsis or septic shock patients. Critical Care, 2014, 18, .	2.5	0
280	Transoesophageal echocardiography and extracorporeal membrane oxygenation: fancy for enthusiasts or indispensable tool?. Critical Care, 2014, 18, .	2.5	5
281	Accuracy of synthesized right-sided/posterior chest lead electrocardiograms. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
282	Aortic stiffness in patients with early sepsis. Critical Care, 2014, 18, .	2.5	0
283	Novel technology for non-invasive thoracic fluid measurement: an animal model comparative study. Critical Care, 2014, 18, .	2.5	0
284	Adherence to the nurse-driven hemodynamic protocol during postoperative care. Critical Care, 2014, 18, .	2.5	0
285	Pulse wave transit time technique for perioperative non-invasive hemodynamic monitoring. Critical Care, 2014, 18, .	2.5	0
286	Validation of cardiac output from Mostcare compared with a pulmonary artery catheter in septic patients. Critical Care, 2014, 18, .	2.5	1
287	Novel non-invasive technology for cardiac output determination. Critical Care, 2014, 18, .	2.5	0
288	Performance of pulse contour and pulse wave transit time-based continuous cardiac output analyses: clinical validation of two methods in Thai patients undergoing cardiac surgery. Critical Care, 2014, 18, .	2.5	2
289	Comparison of PiCCO and VolumeView: simultaneous measurement in sepsis pig models. Critical Care, 2014, 18, .	2.5	1
290	Effects of the restrictive fluid strategy on postoperative pulmonary and renal function following pulmonary resection surgery. Critical Care, 2014, 18, .	2.5	0
291	Perioperative fluid balance and postoperative changes in serum creatinine in patients admitted to critical care after elective major surgery. Critical Care, 2014, 18, .	2.5	0
292	Very limited usefulness of pulse pressure variation as a predictor of volume responsiveness in critically ill septic patients. Critical Care, 2014, 18, .	2.5	0
293	Effects of central hypovolemia induced by tilt table on the Doppler- based renal resistive index in healthy volunteers. Critical Care, 2014, 18, .	2.5	0
294	Tissue oxygenation as a target for goal-directed therapy in high-risk surgery. Critical Care, 2014, 18, .	2.5	0
295	Why measurements do (not) work: the human factor. Critical Care, 2014, 18, .	2.5	0
296	Fluid responsiveness in septic shock. Critical Care, 2014, 18, .	2.5	1
297	Use of pulse pressure variation and stroke volume variation in spontaneously breathing patients to assess dynamic arterial elastance and to predict arterial pressure response to fluid administration. Critical Care, 2014, 18, .	2.5	5
298	Accuracy of the plethysmographic variation index as a predictor of fluid responsiveness after cardiac surgery. Critical Care, 2014, 18, .	2.5	0
299	Kinetics of volume expansion during a fluid challenge. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
300	Fluid challenge with shock. Critical Care, 2014, 18, .	2.5	0
301	In vivo effect of hydroxyethyl starch solution (HES 130/0.4) on different fibrinogen assays. Critical Care, 2014, 18, .	2.5	0
302	BXL 628 ameliorates toxicity of lactated Ringer in HK-2 human renal proximal tubule cells in a hypovolemia mimicking model. Critical Care, 2014, 18, .	2.5	0
303	Hypotonic fluids after liver transplantation may be associated with prolonged ICU stay. Critical Care, 2014, 18, .	2.5	1
304	Early Vasopressin Application in Shock study. Critical Care, 2014, 18, .	2.5	19
305	Terlipressin-induced hyponatraemia. Critical Care, 2014, 18, .	2.5	1
306	Chemical Vapor Detection Using a Reconstituted Insect Olfactory Receptor Complex. Angewandte Chemie - International Edition, 2014, 53, 11798-11802.	7.2	60
307	Overcoming the Cystic Fibrosis Sputum Barrier to Leading Adeno-associated Virus Gene Therapy Vectors. Molecular Therapy, 2014, 22, 1484-1493.	3.7	75
308	Histone chaperone ASF1A is required for maintenance of pluripotency and cellular reprogramming. Science, 2014, 345, 822-825.	6.0	72
309	Fungal colonization with Pneumocystis correlates to increasing chloride channel accessory 1 (hCLCA1) suggesting a pathway for up-regulation of airway mucus responses, in infant lungs. Results in Immunology, 2014, 4, 58-61.	2.2	17
310	Impaired mucus detachment disrupts mucociliary transport in a piglet model of cystic fibrosis. Science, 2014, 345, 818-822.	6.0	332
311	Incidence of adverse events in a Brazilian coronary ICU. Critical Care, 2014, 18, .	2.5	0
312	Care of Burns in Scotland: 3-year data from the Managed Clinical Network National Registry. Critical Care, 2014, 18, .	2.5	4
313	Transfusion requirements in septic shock patients: a randomized controlled trial. Critical Care, 2014, 18, .	2.5	1
314	Secretion properties, clearance, and therapy in airway disease. Translational Respiratory Medicine, 2014, 2, 6.	3.8	63
315	CFTR: cystic fibrosis and beyond. European Respiratory Journal, 2014, 44, 1042-1054.	3.1	207
316	The cell biology of asthma. Journal of Cell Biology, 2014, 205, 621-631.	2.3	223
317	Innate Receptors and Cellular Defense against Pulmonary Infections. Journal of Immunology, 2014, 193, 3842-3850.	0.4	34

#	Article	IF	Citations
318	Intelectin-1 Is a Prominent Protein Constituent of Pathologic Mucus Associated with Eosinophilic Airway Inflammation in Asthma. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 1005-1007.	2.5	35
319	Effect of urban particles on human middle ear epithelial cells. International Journal of Pediatric Otorhinolaryngology, 2014, 78, 777-781.	0.4	12
320	Connexins in respiratory and gastrointestinal mucosal immunity. FEBS Letters, 2014, 588, 1288-1296.	1.3	24
321	Targeting Mucus Hypersecretion: New Therapeutic Opportunities for COPD?. Drugs, 2014, 74, 1073-1089.	4.9	40
322	Fibrinogen at admission is an independent predictor of mortality in severe sepsis and septic shock. Critical Care, 2014, 18, .	2.5	2
323	Urinary tissue inhibitor of metalloproteinases-2 and insulin-like growth factor-binding protein 7 as early biomarkers of acute kidney injury and renal recovery following cardiac surgery. Critical Care, 2014, 18, .	2.5	0
324	Plasma platelet-derived microparticles to platelet count ratio as a marker of mortality in critically ill patients. Critical Care, 2014, 18, .	2.5	1
325	Clinical issues of mucus accumulation in COPD. International Journal of COPD, 2014, 9, 139.	0.9	83
326	Efficacy of terutroban in preventing delayed cerebral ischemia after subarachnoid hemorrhage: a functional isotope imaging study on a rat model. Critical Care, 2014, 18, .	2.5	0
327	Clinical pulmonary infection score calculator in the early diagnosis and treatment of ventilator-associated pneumonia in the ICU. Critical Care, 2014, 18, .	2.5	6
328	Ability to speak in ventilator-dependent tracheostomized ICU patients. Critical Care, 2014, 18, .	2.5	3
329	Vasopressin versus norepinephrine for the management of septic shock in cancer patients. Critical Care, 2014, 18, .	2.5	13
330	Effect of nasal high flow for postoperative respiratory failure: a prospective observational study. Critical Care, 2014, 18, .	2.5	0
331	Effect of subglottic secretion drainage for preventing ventilator-associated pneumonia. Critical Care, 2014, 18, .	2.5	2
332	Enteral administration of antiepileptic agents could have efficacy for prevention of post-traumatic seizures in severe traumatic brain injury. Critical Care, 2014, 18, .	2.5	0
333	Genetic risk factors for respiratory diseases of preterm infants. Molecular and Cellular Pediatrics, 2014, 1, A3.	1.0	0
334	Demand versus supply in intensive care: an ever-growing problem. Critical Care, 2014, 18, .	2.5	8
335	Analysis of the acoustic environment in an ICU using patient information as a covariate. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
336	Factors affecting the clinical response to National Early Warning score triggers. Critical Care, 2014, 18, .	2.5	1
337	Haemodynamic effects of phenylephrine commenced prior to induction of anaesthesia in older patients undergoing high-risk vascular surgery. Critical Care, 2014, 18, .	2.5	0
338	Acetaminophen-induced hypotension in the surgical ICU. Critical Care, 2014, 18, .	2.5	1
339	Experiences of a tertiary center with use of extracorporeal membrane oxygenation support in patients with cardiogenic shock after cardiac surgery. Critical Care, 2014, 18, .	2.5	0
340	Potential use of veno-arterial extracorporeal membrane oxygenation for cardiogenic shock refractory to mechanical assist devices: baseline physiology and mortality data. Critical Care, 2014, 18, .	2.5	0
341	Normobaric oxygen paradox and the microcirculation in the critically ill patient: a prospective observational study. Critical Care, 2014, 18, .	2.5	0
342	Predictive criteria for the development of intra-abdominal hypertension and abdominal compartment syndrome. Critical Care, 2014, 18, .	2.5	0
343	Early lactate-guided therapy in cardiac surgery patients: a randomized controlled trial. Critical Care, 2014, 18, .	2.5	1
344	Lactate as a predictor of deterioration in emergency department patients with and without infection. Critical Care, 2014, 18, .	2.5	0
345	Correlation between conventional and advanced hemodynamic parameters versus serum lactate in patients with severe sepsis. Critical Care, 2014, 18, .	2.5	0
346	Delayed assessment of serum lactate in sepsis is associated with an increased mortality rate. Critical Care, 2014, 18, .	2.5	0
347	Lactate quartile concentration and prognosis in severe sepsis and septic shock. Critical Care, 2014, 18, .	2.5	0
348	Comparison of the effects of histidine-triptophan-ketoglutarate solution and crystalloid cardioplegia on myocardial protection during pediatric cardiac surgery. Critical Care, 2014, 18, .	2.5	2
349	Hyperdynamic ejection fraction in the critically ill patient. Critical Care, 2014, 18, .	2.5	0
350	Impact of nitric oxide on pulmonary regurgitation and cardiac function in the acute stage after right ventricular outflow surgery. Critical Care, 2014, 18, .	2.5	0
351	Cardiogenic oscillation in pediatric patients after cardiac surgery. Critical Care, 2014, 18, .	2.5	1
352	Intraoperative dexamethasone on left atrial function and postoperative atrial fibrillation in cardiac surgical patients. Critical Care, 2014, 18, .	2.5	0
353	White blood cell count and new-onset atrial fibrillation after cardiac surgery. Critical Care, 2014, 18, .	2.5	1

#	Article	IF	Citations
354	Anti-adrenergic effects of ranolazine in isolated rat aorta. Critical Care, 2014, 18, .	2.5	0
355	Delays in extubation following elective adult cardiac surgery. Critical Care, 2014, 18, .	2.5	0
356	Effects of perfusion pressure on the splanchnic circulation after cardiopulmonary bypass: a randomized double cross-over study. Critical Care, 2014, 18, .	2.5	1
357	Isoflurane attenuates left ventricular akinesia and preserves cardiac output in the Tako-tsubo rat model. Critical Care, 2014, 18, .	2.5	0
358	Preoperative therapy with angiotensin-converting enzyme inhibitors in cardiac surgery patients: is there any impact on postoperative renal function?. Critical Care, 2014, 18, .	2.5	0
359	Characterization of the profile and clinical variables associated with mortality in a Brazilian coronary ICU. Critical Care, 2014, 18, .	2.5	0
360	Hospital visit pattern and its effect on reperfusion time and clinical outcomes in ST-segment elevation acute myocardial infarction. Critical Care, 2014, 18, .	2.5	0
361	Tissue-aggressive inflammatory response defines the tissue aggressiveness of the post-infarction milieu. Critical Care, 2014, 18, .	2.5	0
362	Impact of positive end-expiratory pressure application on ventriculo-arterial coupling in decompensated left ventricles after cardiac surgery: a non-invasive echocardiographic study. Critical Care, 2014, 18, .	2.5	0
363	Prevalence of elevated cardiac troponin T in ICU patients using the high-sensitivity assay and the relationship with mortality. Critical Care, 2014, 18, .	2.5	0
364	Rhabdomyolysis following cardiac surgery: from prevalence to prevention. Critical Care, 2014, 18, .	2.5	0
365	Open cavity abdominal surgery in octogenarians and nonagenarians admitted to a university teaching hospital ICU: a retrospective review. Critical Care, 2014, 18, .	2.5	0
366	Postoperative resource utilization and survival among liver transplant recipients with Model for End-stage Liver Disease score â‰¥40: a retrospective cohort study. Critical Care, 2014, 18, .	2.5	1
367	Causes and consequences of infections in patients after liver transplantation: 2-year study in the only ICU that hospitalizes these cases in Greece. Critical Care, 2014, 18, .	2.5	0
368	Extracorporeal membrane oxygenation before and after adult liver transplantation: worth the effort?. Critical Care, 2014, 18, .	2.5	12
369	Is cirrhotic cardiomyopathy a risk factor for post-reperfusion syndrome during liver transplantation?. Critical Care, 2014, 18, .	2.5	0
370	Perioperative management of patients undergoing combined heart-liver transplantation. Critical Care, 2014, 18, .	2.5	2
371	Impaired balance between coagulation and fibrinolysis plays a prominent role in patients with sepsis. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
372	Clinical usefulness of measurement of plasma soluble fibrin levels in critically ill patients. Critical Care, 2014, 18, .	2.5	0
373	Value of microbial metabolites in blood serum as criteria for bacterial load in the pathogenesis of hemodynamic disorders in critically ill patients. Critical Care, 2014, 18, .	2.5	3
374	Receptor for advanced glycation end products axis in critically ill patients. Critical Care, 2014, 18, .	2.5	0
375	Usefulness of the endotoxin activity assay as a biomarker to assess severity in ICU patients. Critical Care, 2014, 18, .	2.5	0
376	Usefulness of presepsin and procalcitonin levels in the diagnosis of sepsis in patients with acute kidney injury. Critical Care, 2014, 18, .	2.5	0
377	Differentiating sepsis from non-infective systemic inflammatory response syndrome: comparison between C-reactive protein and leptin. Critical Care, 2014, 18, .	2.5	0
378	Use of procalcitonin and white blood cells as combined predictors of infection in cardiac surgery patients. Critical Care, 2014, 18, .	2.5	1
379	Single pro-adrenomedullin determination in septic shock and 28-day mortality. Critical Care, 2014, 18, .	2.5	0
380	Club Cell protein: a candidate diagnostic biomarker of Pseudomonas aeruginosa nosocomial pneumonia. Critical Care, 2014, 18, .	2.5	0
381	Plasma cholinesterase activity as diagnostic marker for systemic inflammation. Critical Care, 2014, 18, .	2.5	1
382	Pre-analytic factors and initial biomarker levels in community- acquired pneumonia patients. Critical Care, 2014, 18, .	2.5	0
383	Altered T-cell repertoire diversity in septic shock patients. Critical Care, 2014, 18, .	2.5	0
384	Association between DNA haplogroups and severe sepsis in patients who underwent major surgery. Critical Care, 2014, 18, .	2.5	0
385	Activated protein C consumption and coagulation parameters in severe sepsis and septic shock. Critical Care, 2014, 18, .	2.5	0
386	Flow-cytometric analysis in traumatic brain injury to evaluate immunosuppression. Critical Care, 2014, 18, .	2.5	1
387	Polymorphonuclear cell surface expression patterns differ in inflammatory and infectious stages in polytraumatized and septic shock patients. Critical Care, 2014, 18, .	2.5	0
388	Lymphocyte surface expression patterns differ in inflammatory and infectious stages in polytraumatized and septic shock patients. Critical Care, 2014, 18, .	2.5	0
389	Cl:Na ratio on ICU admission as a prognostic indicator of mortality in sepsis patients. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
390	Dysfunction of peroxisomes as one of the possible causes of multiple organ dysfunction syndrome development. Critical Care, 2014, 18, .	2.5	0
391	Differential effect of alcohol on TNFÎ± receptor II production in the presence of LPS challenge ex vivo. Critical Care, 2014, 18, .	2.5	0
392	Neutrophil phenotype model for extracorporeal treatment of sepsis. Critical Care, 2014, 18, .	2.5	0
393	Prolactin, cortisol and heat shock proteins in early sepsis: preliminary data. Critical Care, 2014, 18, .	2.5	0
394	AMP-protein kinase may protect against sepsis-induced acute kidney injury through modulation of immune response and endothelial activation. Critical Care, 2014, 18, .	2.5	0
395	Study of the ex vivo immune response of polytrauma older patients in the ICU on admission: preliminary results. Critical Care, 2014, 18, .	2.5	1
396	Multiple trauma is linked with reversal of immunoparalysis and provides survival benefit from Pseudomonas aeruginosa. Critical Care, 2014, 18, .	2.5	0
397	Delayed admission to the ICU is associated with increased in-hospital mortality in patients with community-acquired severe sepsis or shock. Critical Care, 2014, 18, .	2.5	1
398	Effect of clarithromycin in patients with Gram-negative sepsis: subgroup analysis of a randomized trial. Critical Care, 2014, 18, .	2.5	1
399	Benefit profile of recombinant human soluble thrombomodulin in sepsis-induced DIC. Critical Care, 2014, 18, .	2.5	0
400	Comprehensive assessment of the true sepsis burden using electronic health record screening augmented by natural language processing. Critical Care, 2014, 18, .	2.5	3
401	Outcomes of neutropenic patients with severe sepsis on a specialist cancer ICU. Critical Care, 2014, 18, .	2.5	2
402	Vitamin D and ICU outcome in septic patients: a difficult connection?. Critical Care, 2014, 18, .	2.5	0
403	A meta-analysis of randomized controlled trials on the use of statins in septic patients. Critical Care, 2014, 18, .	2.5	0
404	Efficacy of early administration of thrombomodulin alfa in patients with sepsis-induced disseminated intravascular coagulation: subanalysis from post-marketing surveillance data. Critical Care, 2014, 18, .	2.5	0
405	Dynamic myocardial depression in septic cardiomyopathy. Critical Care, 2014, 18, .	2.5	0
406	Significant change in the practice of chest radiography in Dutch ICUs. Critical Care, 2014, 18, .	2.5	0
407	Stating clear indications for chest radiographs after cardiac surgery increases their efficacy and safely reduces costs. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
408	Evaluation of early graft function in a case series of lung-transplanted patients. Critical Care, 2014, 18, .	2.5	0
409	Lung function in the immediate postoperative period after videoassisted thoracoscopic and thoracotomy pulmonary resection. Critical Care, 2014, 18, .	2.5	0
410	Lung ultrasound reaeration score: a useful tool to predict non-invasive ventilation effectiveness. Critical Care, 2014, 18, .	2.5	2
411	Ultrasound in the diagnosis of pneumothorax: a survey of current practice. Critical Care, 2014, 18, .	2.5	0
412	Computed tomographic assessment of airflow obstruction in smoke inhalation injury. Critical Care, 2014, 18, .	2.5	0
413	Semi-upright position improves ventilation and oxygenation in mechanically ventilated intensive care patients. Critical Care, 2014, 18, .	2.5	3
414	Effects of sitting on the respiratory pattern, mechanics and work of breathing in mechanically ventilated patients. Critical Care, 2014, 18, .	2.5	0
415	The win ratio method: a novel hierarchical endpoint for pneumonia trials in patients on mechanical ventilation. Critical Care, 2014, 18, .	2.5	6
416	Failure to obtain admission sputum culture is associated with higher mortality and fewer ventilator-free days for intubated pneumonia patients: a quality improvement project. Critical Care, 2014, 18, .	2.5	0
417	Nonventilatory factors affecting noninvasive mechanical ventilation success in hypercapnic critical care patients. Critical Care, 2014, 18, .	2.5	0
418	Physiologic comparison between NAVA, PAV+ and PSV in critically ill patients. Critical Care, 2014, 18, .	2.5	0
419	Oxygenation index outperforms the P/F ratio for mortality prediction. Critical Care, 2014, 18, .	2.5	1
420	Determining the mechanical ventilation mode and pressure support combination that is best compatible with the rapid shallow breathing index calculated in spontaneous ventilation. Critical Care, 2014, 18, .	2.5	1
421	New setting of neurally adjusted ventilatory assist during mask noninvasive ventilation. Critical Care, 2014, 18, .	2.5	0
422	A new setting to improve noninvasive neurally adjusted ventilatory assist by helmet. Critical Care, 2014, 18, .	2.5	0
423	Is neurally adjusted ventilatory assist feasible during anesthesia?. Critical Care, 2014, 18, .	2.5	0
424	PEEP titration on the basis of intratidal resistance-volume profiles. Critical Care, 2014, 18, .	2.5	0
425	US study of gliding in nondependent lung regions: the dark side of the moon. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
426	Protective ventilation reduces bacterial growth and lung injury in a porcine pneumonia model. Critical Care, 2014, 18, .	2.5	0
427	Changes in computed tomography and ventilation/perfusion mismatch with positive end-expiratory pressure. Critical Care, 2014, 18, .	2.5	0
428	Ventilator settings in ICUs: comparing a Dutch with a global cohort. Critical Care, 2014, 18, .	2.5	0
429	Graphical user interface for visualization of a decision support system for PEEP titration. Critical Care, 2014, 18, .	2.5	0
430	Time-dependent apoptosis induction after spontaneous-breathing or ventilation-analogue experimental mechanostimulation of monolayer lung cell cultures. Critical Care, 2014, 18, .	2.5	0
431	Influence of positive end-expiratory pressure on cyclic recruitment and derecruitment during one breathing cycle in porcine acute lung injury. Critical Care, 2014, 18, .	2.5	0
432	Effect of positive end-expiratory pressure on right ventricle function assessed by speckle tracking echocardiography. Critical Care, 2014, 18, .	2.5	0
433	Airway pressure release ventilation restores hemodynamic stability in patients with cardiogenic shock: initial experience in cardiac intensive care. Critical Care, 2014, 18, .	2.5	0
434	Experimental VILI begins with subpleural lung lesions. Critical Care, 2014, 18, .	2.5	0
435	CT scan and ultrasound comparative assessment of PEEP-induced lung aeration changes in ARDS. Critical Care, 2014, 18, .	2.5	9
436	Effect of tidal volume and positive end-expiratory pressure on lung hysteresis of healthy piglets. Critical Care, 2014, 18, .	2.5	0
437	Evaluation and quantification of pulmonary hyperinflation in three gravitational zones of domestic felines by computed tomography. Critical Care, 2014, 18, .	2.5	0
438	Effect of inhaled nitric oxide on apoptosis of lymphocytes in newborns in a critical state. Critical Care, 2014, 18, .	2.5	1
439	High-frequency oscillatory ventilation use in patients with H1N1: a single-centre review. Critical Care, 2014, 18, .	2.5	0
440	EIT comparison of airway pressure release ventilation andconventional ventilation. Critical Care, 2014, 18, .	2.5	0
441	Comparison of HFOV and conventional ventilation in H1N1 influenza ARDS. Critical Care, 2014, 18, .	2.5	0
442	Opening pressures and intratidal opening and closing in ARDS lung. Critical Care, 2014, 18, .	2.5	0
443	Compliance with protective lung ventilation in an Irish teaching hospital. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
444	Mechanisms underlying the lung-protective effects of FLow- controlled EXpiration. Critical Care, 2014, 18, .	2.5	2
445	Fluid balance predicts weaning failure in chronic obstructive pulmonary disease patients. Critical Care, 2014, 18, .	2.5	3
446	Role of the rapid shallow breathing index to predict the success of mechanical ventilator liberation in acute respiratory failure. Critical Care, 2014, 18, .	2.5	0
447	Determinants of ventilator weaning outcome in a medical-surgical ICU. Critical Care, 2014, 18, .	2.5	1
448	Microbiology and outcomes of severe pneumonia in critically ill cancer patients. Critical Care, 2014, 18, .	2.5	0
449	Biomarker-based exclusion of ventilator-associated pneumonia: a multicentre validation study. Critical Care, 2014, 18, .	2.5	1
450	Validation of the 2005 American Thoracic Society/Infectious Diseases Society of America guidelines for ventilator-associated pneumonia: a Japanese multicenter observational study. Critical Care, 2014, 18, .	2.5	0
451	Surveillance and evaluation of ventilator-associated events as per Centers for Disease Control and Prevention guidelines. Critical Care, 2014, 18, .	2.5	0
452	Extracorporeal carbon dioxide removal as a bridge to lung transplantation in life-threatening hypercapnia. Critical Care, 2014, 18, .	2.5	0
453	Quantifying sputum production in intensive therapy. Critical Care, 2014, 18, .	2.5	0
454	Outcomes of patients with acute respiratory failure of mixed aetiology treated with non-invasive ventilation in a large teaching hospital critical care unit. Critical Care, 2014, 18, .	2.5	0
455	Inhalation injury and clinical course in major burned patients. Critical Care, 2014, 18, .	2.5	0
456	Severe respiratory failure in multiple trauma patients: extracorporeal support as a salvage therapy - a single-center experience. Critical Care, 2014, 18, .	2.5	0
457	Advanced respiratory care techniques in a severe adult respiratory failure unit. Critical Care, 2014, 18, .	2.5	0
458	Novel carbon dioxide removal device driven by a renal-replacement system without hemofilter: an experimental approach and validation. Critical Care, 2014, 18, .	2.5	2
459	Does geography affect referral rates for extracorporeal membrane oxygenation in England?. Critical Care, 2014, 18, .	2.5	0
460	Assessment of an endotracheal tube cleaning closed-suctioning system by micro-computed tomography: preliminary clinical data. Critical Care, 2014, 18, .	2.5	0
461	Does cost affect endotracheal tube performance?. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
462	Tracheostomy in obese patients: the best tube choice issue. Critical Care, 2014, 18, .	2.5	1
463	Development of the novel Tracoe Twist Plus tracheostomy tube. Critical Care, 2014, 18, .	2.5	0
464	Double-lumen endotracheal tube for percutaneous tracheostomy: in vitro and in vivo preliminary data. Critical Care, 2014, 18, .	2.5	0
465	National survey of ICUs in the UK: discharging patients with tracheostomies. Critical Care, 2014, 18, .	2.5	0
466	Percutaneous dilatational tracheostomy in patients with severe coagulopathy or thrombocytopenia. Critical Care, 2014, 18, .	2.5	0
467	Repeat bedside percutaneous tracheostomy: still a contraindication?. Critical Care, 2014, 18, .	2.5	1
468	National UK survey: a review of percutaneous tracheostomy and auxiliary subglottic suction port use. Critical Care, 2014, 18, .	2.5	2
469	Is the post-critical care environment safe for tracheostomy patients?. Critical Care, 2014, 18, .	2.5	0
470	Survey on the use of chlorhexidine and toothpaste as part of oral care in UK ICUs. Critical Care, 2014, 18, .	2.5	0
471	Survey of the use and practicalities of subglottic suction drainage in the UK. Critical Care, 2014, 18, .	2.5	0
472	Intravenous perfluorocarbons increased oxygen delivery/ consumption in ARDS in swine. Critical Care, 2014, 18, .	2.5	0
473	Prevention of pneumothorax using venovenous ECMO in acute respiratory distress syndrome with emphysematous/cystic changes in the lung. Critical Care, 2014, 18, .	2.5	1
474	Injurious ventilation has an age-dependent affect on the pulmonary renin-angiotensin system in LPS-challenged rats. Critical Care, 2014, 18, .	2.5	1
475	Role of Th1 and Th17 imbalance in acute lung injury mice. Critical Care, 2014, 18, .	2.5	0
476	Comparison of CD80 level on dendritic cells in acute lung injury mice. Critical Care, 2014, 18, .	2.5	0
477	Five-year single-centre review of ARDS patients receiving high-frequency oscillatory ventilation. Critical Care, 2014, 18, .	2.5	0
478	Blocking angiotensin type 1 receptor modulates Thl-mediated and Th17-mediated responses in lipopolysaccharide-induced acute lung injury mice. Critical Care, 2014, 18, .	2.5	0
479	Echocardiographic guidance for Avalon Elite dual-lumen catheter implantation. Critical Care, 2014, 18, .	2.5	4

#	Article	IF	Citations
480	Lower airway sampling greatly increases detection of respiratory viruses in critically ill patients: the COURSE study. Critical Care, 2014, 18, .	2.5	1
481	Risk factors for multi-resistant organisms in sepsis. Critical Care, 2014, 18, .	2.5	0
482	Clostridium difficile infection in ICU patients. Critical Care, 2014, 18, .	2.5	0
483	Retrospective observational analysis of the infective risk of arterial lines in a general ICU. Critical Care, 2014, 18, .	2.5	0
484	Reducing CR-BSI in a general ICU. Critical Care, 2014, 18, .	2.5	0
485	Risk factors of candidemia in postoperative ICU patients: a prospective study. Critical Care, 2014, 18, .	2.5	1
486	Escherichia coli infection in Polish neonatology ICUs in 2009 to 2012. Critical Care, 2014, 18, .	2.5	0
487	Infection control as a nonpharmacologic strategy for the prevention of healthcare-associated infections in a Ukrainian hospital. Critical Care, 2014, 18, .	2.5	0
488	Surveillance for nosocomial pathogens in our ICU. Critical Care, 2014, 18, .	2.5	0
489	Candida in the respiratory tract secretions of critically ill patients and the impact of antifungal treatment: a randomized placebocontrolled pilot trial (CANTREAT study). Critical Care, 2014, 18, .	2.5	1
490	Retrospective analysis of respiratory isolates post out-of-hospital cardiac arrest to establish choices in empirical antibiotic cover. Critical Care, 2014, 18, .	2.5	0
491	Pharmacokinetics of antituberculosis drugs in critically ill patients with tuberculosis and acute respiratory failure. Critical Care, 2014, 18, .	2.5	0
492	Eight-year study of the Staphylococcus epidermidis resistance profile against glycopeptides, oxazolidinones and glycylcyclines in an ICU of a Greek tertiary hospital. Critical Care, 2014, 18, .	2.5	0
493	Vancomycin-resistant enterococci: eradication using vancomycin?. Critical Care, 2014, 18, .	2.5	0
494	Audit of bacteraemia management in a university hospital ICU. Critical Care, 2014, 18, .	2.5	0
495	Sepsis: impact of timely and appropriate empirical antibiotic therapy on mortality. Critical Care, 2014, 18, .	2.5	1
496	Safety and efficacy of amphotericin B inhalation for Candida spp. in the respiratory tract of critically ill patients. Critical Care, 2014, 18, .	2.5	0
497	Inhaled tobramycin for the treatment of nosocomial pneumonia in sepsis. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
498	Sternal wound infections in cardiac surgery: effects of vancomycin prophylaxis. Critical Care, 2014, 18, .	2.5	0
499	Retrospective analysis of the clinical utility of blood cultures taken surrounding intensive care admission. Critical Care, 2014, 18, .	2.5	0
500	Employing quality improvement methodology in sepsis: an electronic sepsis order set further improves compliance with the Surviving Sepsis Campaign 3-hour bundle. Critical Care, 2014, 18, .	2.5	0
501	Acute kidney injury in cardiorenal syndrome type 1: a meta-analysis. Critical Care, 2014, 18, .	2.5	0
502	Early detection of postoperative acute kidney injury by Doppler renal resistive index in major lung and cardiac operations. Critical Care, 2014, 18, .	2.5	0
503	Renal resistive index at ICU admission and its change after 24 hours predict acute kidney injury in sepsis. Critical Care, 2014, 18, .	2.5	6
504	Acute kidney injury and cardiac surgery: impact of fluid balance on AKI classification and prognosis. Critical Care, 2014, 18, .	2.5	0
505	Acute kidney injury of all severity is associated with extended hospitalization after critical illness. Critical Care, 2014, 18, .	2.5	2
506	Early acute kidney injury in nonsepsis, noncardiac surgical patients admitted to a general surgical ICU. Critical Care, 2014, 18, .	2.5	0
507	Impact of kidney function calculation formulae on predicting early adverse renal events in cardiac surgery. Critical Care, 2014, 18, .	2.5	0
508	Fluid accumulation increases the risk of AKI progression and death in critically ill patients with early AKI. Critical Care, 2014, 18, .	2.5	2
509	Postoperative acute kidney injury in patients with gynecologic malignancies. Critical Care, 2014, 18, .	2.5	0
510	Acute kidney injury after elective adult cardiac surgery. Critical Care, 2014, 18, .	2.5	0
511	Incidence and outcomes of contrast-induced nephropathy in adult ICU patients. Critical Care, 2014, 18, .	2.5	0
512	Human acute kidney injury is associated with a proinflammatory phenotype. Critical Care, 2014, 18, .	2.5	0
513	Risk factors for the development of contrast-induced nephropathy in ICU patients. Critical Care, 2014, 18, .	2.5	0
514	Test characteristics of acute kidney injury biomarkers in animal models of sepsis. Critical Care, 2014, 18, .	2.5	0
515	Perioperative measurement of urinary oxygen tension as a tool in the prevention of acute kidney injury?. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
516	Postoperative acute kidney injury can be predicted by the novel biomarkers insulin-like growth factor-binding protein 7/tissue inhibitor of metalloproteinases-2 as early as 6 hours after surgery. Critical Care, 2014, 18, .	2.5	0
517	Urine TIMP2 Ã— IGFBP7 increases 24 hours before severe AKI. Critical Care, 2014, 18, .	2.5	0
518	Resveratrol ameliorates apoptosis induced by contrast medium ioxitalamate in HK-2 human renal proximal tubule cells in vitro. Critical Care, 2014, 18, .	2.5	1
519	Estimated GFR versus creatinine clearance for evaluation of recovery from acute kidney injury. Critical Care, 2014, 18, .	2.5	0
520	Recovery from AKI by KDIGO criteria. Critical Care, 2014, 18, .	2.5	1
521	Incidence and outcomes of acute kidney injury following orthotopic lung transplant: a population-based cohort study. Critical Care, 2014, 18, .	2.5	2
522	Fluid accumulation post cardiac surgery and risk for renal replacement therapy. Critical Care, 2014, 18, .	2.5	0
523	Recovery of renal function after acute kidney injury requiring continuous renal replacement therapy. Critical Care, 2014, 18, .	2.5	0
524	Relation between preoperative use of diuretics and renal replacement therapy after cardiac surgery: a propensity score analysis. Critical Care, 2014, 18, .	2.5	1
525	Continuous renal replacement therapy (CVVHD) for acute kidney injury in critical care: incidence and outcome across South West Wales. Critical Care, 2014, 18, .	2.5	2
526	Renal replacement therapy in very elderly critical care patients. Critical Care, 2014, 18, .	2.5	1
527	Preventing continuous renal replacement therapies (CRRT)-induced hypophosphatemia using a phosphate-containing CRRT solution in the setting of regional citrate anticoagulation. Critical Care, 2014, 18, .	2.5	0
528	Evaluation of functional differences between two anticoagulation methods used in continuous renal replacement therapy in critical patients. Critical Care, 2014, 18, .	2.5	0
529	Development of key performance indicators for renal replacement therapy in adult intensive care to guide safe and cost-effective therapy. Critical Care, 2014, 18, .	2.5	0
530	Effectiveness of sub-albumin protein leakage membrane EMIC2 in post-cardiac surgery rhabdomyolysis. Critical Care, 2014, 18, .	2.5	0
531	Myoglobin removal of small-protein leakage membrane (EMIC2) in patients in the ICU: a case series. Critical Care, 2014, 18, .	2.5	2
532	Plasma filtration with dialysis (plasma diafiltration) in critically ill patients with acute liver failure. Critical Care, 2014, 18, .	2.5	0
533	Efficacy of continuous plasma diafiltration therapy. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
534	Hemodialysis with high cutoff membranes improves tissue perfusion in severe sepsis: preliminary data of the Sepsis in Florence sTudy (SIFT). Critical Care, 2014, 18, .	2.5	2
535	Pharmacodynamics and pharmacokinetics of ciprofloxacin during sustained low-efficiency dialysis. Critical Care, 2014, 18, .	2.5	0
536	Pharmacokinetics of meropenem during continuous renal replacement therapy in critically ill patients. Critical Care, 2014, 18, .	2.5	1
537	Impact of ideal versus estimated body weight on haemofiltration dosing in critically ill patients with AKI. Critical Care, 2014, 18, .	2.5	1
538	ICU patients treated with RRT for AKI who have chronic kidney disease have better 1-year outcome compared with patients with better kidney function. Critical Care, 2014, 18, .	2.5	0
539	Long-term outcomes in acute kidney injury patients treated with renal replacement therapy who were alive at hospital discharge. Critical Care, 2014, 18, .	2.5	0
540	Polymyxin B-immobilized fiber hemoperfusion therapy improves sepsis-related immunosuppression. Critical Care, 2014, 18, .	2.5	0
541	Endotoxin activity assay and polymyxin B hemoperfusion use in a cohort of critically ill patients. Critical Care, 2014, 18, .	2.5	0
542	An assessment of long-term sleep quality using actigraphy in survivors of critical illness. Critical Care, 2014, 18, .	2.5	0
543	Study to assess whether staff are able to accurately assess sleep quality and quantity in intensive care patients. Critical Care, 2014, 18, .	2.5	0
544	Simplified versus standard EEG to measure the depth of sedation in mechanically ventilated ICU patients. Critical Care, 2014, 18, .	2.5	0
545	Haemodynamic effects of clonidine in an ovine model of severe sepsis with septic acute kidney injury. Critical Care, 2014, 18, .	2.5	0
546	Off-label use of clonidine for sedation in Dutch ICUs. Critical Care, 2014, 18, .	2.5	1
547	Different effects of propofol and dexmedetomidine on preload dependency in endotoxemic shock with norepinephrine infusion: a randomized case-control study. Critical Care, 2014, 18, .	2.5	1
548	Propofol: monitoring for complications. Critical Care, 2014, 18, .	2.5	1
549	Influence of increased intracranial pressure on sevoflurane-fentanyl anesthesia in major abdominal surgery. Critical Care, 2014, 18, .	2.5	1
550	Quantifying sedation satisfaction during bronchoscopy using the Bispectral Index. Critical Care, 2014, 18, .	2.5	0
551	Risk factor of withdrawal syndrome in the paediatric ICU. Critical Care, 2014, 18, .	2.5	1

#	Article	IF	Citations
552	Epidural analgesia reduces perioperative myocardial infarction and all-cause mortality after cardiac surgery: but at least 25 epidural hematomas have already happened. Critical Care, 2014, 18, .	2.5	0
553	Delirium screening, prevention and treatment in the ICU: a systematic review of implementation strategies. Critical Care, 2014, 18, .	2.5	1
554	Effect of enteral and/or parenteral glutamine supplementation on mortality and morbidity in the critically ill. Critical Care, 2014, 18, .	2.5	0
555	Increased threshold for gastric residual volumes and impact on nutrition in the ICU. Critical Care, 2014, 18, .	2.5	0
556	Early enteral feeding in the septic critically ill patient: evaluation of our feeding protocol. Critical Care, 2014, 18, .	2.5	1
557	A nutritional protocol and personalized support reduce the cumulative caloric deficit of cardiac surgery patients. Critical Care, 2014, 18, .	2.5	2
558	Vitamin B and C levels of homeless patients who visit the emergency department with alcohol ingestion. Critical Care, 2014, 18, .	2.5	0
559	Acid-base disorders according to the Stewart approach in septic patients. Critical Care, 2014, 18, .	2.5	0
560	Changes in urinary electrolytes during acute respiratory acid-base modifications. Critical Care, 2014, 18, .	2.5	1
561	Admission hypomagnesemia as a mortality predictor in medical critically ill patients. Critical Care, 2014, 18, .	2.5	2
562	Impact of reduced frequency of phosphate testing on detected phosphate levels and phosphate prescription in critical care. Critical Care, 2014, 18, .	2.5	0
563	Effect of albumin and total protein concentration on plasma sodium measurements in the ICU. Critical Care, 2014, 18, .	2.5	0
564	Main causes of water-electrolyte disturbances in patients with acute brain injury: central diabetes insipidus and cerebral salt wasting syndrome. Critical Care, 2014, 18, .	2.5	0
565	Cardiac surgery alters the sensitivity of the dynamic interaction between the pituitary and adrenal glands. Critical Care, 2014, 18, .	2.5	0
566	Melatonin blood values and total antioxidant capacity in critically ill patients. Critical Care, 2014, 18, .	2.5	3
567	Continuous prediction of glucose-level changes using an electronic nose in critically ill patients. Critical Care, 2014, 18, .	2.5	1
568	Evaluation of blood glucose control in ICU patients with Space GlucoseControl: a European study. Critical Care, 2014, 18, .	2.5	0
569	Evaluation of Symphony CGM, a non-invasive, transdermal continuous glucose monitoring system for use in critically ill patients. Critical Care, 2014, 18, .	2.5	2

#	Article	IF	Citations
570	Time-course evaluation of blood glucose changes in response to insulin delivery in critically ill patients. Critical Care, 2014, 18, .	2.5	0
571	Glycaemia and critical care outcomes. Critical Care, 2014, 18, .	2.5	0
572	First clinical study data from therapeutic use of a novel continuous glucose monitoring system in the ICU. Critical Care, 2014, 18, .	2.5	1
573	Impact of corticosteroid administration in septic shock on glycemic variability. Critical Care, 2014, 18, .	2.5	0
574	Blood glucose target in acute phase suggested by the analysis of the relationship between blood glucose profile and the severity of the diseases. Critical Care, 2014, 18, .	2.5	0
575	Anti-inflammatory and antioxidant effects of ranolazine on primary cultured astrocytes. Critical Care, 2014, 18, .	2.5	1
576	Intrathecal lactate to predict spinal cord ischemia in major abdominal surgery. Critical Care, 2014, 18, .	2.5	0
577	Predictors of ventilatory outcome in cervical spinal injuries. Critical Care, 2014, 18, .	2.5	0
578	Evaluation of the ocular microcirculation in brain-dead patients: first step towards a new method of multimodal neuromonitoring?. Critical Care, 2014, 18, .	2.5	0
579	External validation of an early warning alert for elevated intracranial pressure in the Avert-IT database. Critical Care, 2014, 18, .	2.5	1
580	New support system using a mobile device for diagnostic image display and treatment of acute stroke in Japanese depopulated areas. Critical Care, 2014, 18, .	2.5	0
581	Effects of cardiac output-guided hemodynamic management on fluid administration after aneurysmal subarachnoid hemorrhage. Critical Care, 2014, 18, .	2.5	1
582	Effect of transient cerebral ischemia on the expression of receptor for advanced glycation end products in the gerbil hippocampus proper. Critical Care, 2014, 18, .	2.5	0
583	Correlation of thermal Doppler flowmetry and microdialysis values in patients with severe subarachnoid hemorrhage and traumatic brain injury. Critical Care, 2014, 18, .	2.5	0
584	New look at the 20 mmHg ICP threshold. Critical Care, 2014, 18, .	2.5	1
585	Model of intracranial hypertension of tumor etiology in laboratory rats. Critical Care, 2014, 18, .	2.5	0
586	Arterial-jugular bulb differences in pCO2, lactate, serum sodium and C-reactive protein in neurocritical patients. Critical Care, 2014, 18, .	2.5	0
587	Accuracy of transcranial color-coded duplex sonography in predicting clinical vasospasm and delayed cerebral ischemia in patients with subarachnoid hemorrhage. Critical Care, 2014, 18, .	2.5	0

#	Article	IF	Citations
588	Brain death determination in Europe: one condition with too many nuances. Critical Care, 2014, 18, .	2.5	0
589	What do brain-dead patients ultimately die of?. Critical Care, 2014, 18, .	2.5	0
590	Acute and long-term outcomes of ICU-acquired weakness: a cohort study and propensity matched analysis. Critical Care, 2014, 18, .	2.5	3
591	Early electrophysiological diagnosis of ICU-acquired weakness. Critical Care, 2014, 18, .	2.5	0
592	Choosing a cerebral near-infrared spectroscopy system for use in traumatic brain injury: deriving the ideal source detector layout. Critical Care, 2014, 18, .	2.5	1
593	Single-subject assessment of the distribution of white matter abnormalities measured by diffusion tensor imaging in patients with severe traumatic brain injury. Critical Care, 2014, 18, .	2.5	0
594	Long-term outcome after severe traumatic brain injury. Critical Care, 2014, 18, .	2.5	0
595	Vitamin D level could affect the recovery rate in traumatic brain injury: a retrospective study. Critical Care, 2014, 18, .	2.5	2
596	Could selected probiotics have beneficial effects on clinical outcome of severe traumatic brain injury patients?. Critical Care, 2014, 18, .	2.5	6
597	Effect of blood alcohol level on outcome of patients with traumatic brain injury. Critical Care, 2014, 18, .	2.5	0
598	Long-term outcome prediction using IMPACT and APACHE II in patients with traumatic brain injury treated in the ICU. Critical Care, 2014, 18, .	2.5	0
599	Validating and comparing the CAM-ICU and the ICDSC in mild and moderate traumatic brain injury patients: a multicenter prospective study. Critical Care, 2014, 18, .	2.5	1
600	Functional status after 3 years in ICU patients with traumatic brain injury. Critical Care, 2014, 18, .	2.5	0
601	Demographic profiles and extent of critical care resources utilisation in patients with severe traumatic brain injury: a Tan Tock Seng Hospital National Neuroscience Institute study. Critical Care, 2014, 18, .	2.5	0
602	Outcome measures in randomized controlled trials of patients with severe traumatic brain injury: a systematic review. Critical Care, 2014, 18, .	2.5	0
603	Predicting 6-month mortality of patients with traumatic brain injury: usefulness of common severity scores. Critical Care, 2014, 18, .	2.5	0
604	Work activities after 3-year follow-up in ICU patients with traumatic brain injury. Critical Care, 2014, 18, .	2.5	0
605	Simulation-based education for cardiopulmonary resuscitation and airway management protocols: a brief report of a systematic review and meta-analysis. Critical Care, 2014, 18, .	2.5	1

#	Article	IF	Citations
606	Video analysis of cardiopulmonary resuscitation performance of ambulance crews during transportation. Critical Care, 2014, 18, .	2.5	0
607	Implementation of the PulsePoint smartphone application for crowd-sourcing bystander resuscitation. Critical Care, 2014, 18, .	2.5	9
608	Emergency room advanced life support after cardiac arrest: outcomes and survival, nursing care and team response. Critical Care, 2014, 18, .	2.5	0
609	What is the role of head computed tomography in post-resuscitation care?. Critical Care, 2014, 18, .	2.5	1
610	To see or not to see: does video CPR perform better than telephone CPR?. Critical Care, 2014, 18, .	2.5	0
611	Initial anticoagulation strategy for extracorporeal cardiopulmonary resuscitation patients. Critical Care, 2014, 18, .	2.5	0
612	Predictors of poor outcome in out-of-hospital cardiac arrest. Critical Care, 2014, 18, .	2.5	0
613	Mean initial cerebral saturation and time to start advanced life support in out-of-hospital cardiac arrest: are they correlated?. Critical Care, 2014, 18, .	2.5	0
614	Predicting survival in patients admitted to intensive care following out-of-hospital cardiac arrest using the Prognosis After Resuscitation score. Critical Care, 2014, 18, .	2.5	2
615	Post Arrest Consult Team: a knowledge translation strategy for post-cardiac arrest care. Critical Care, 2014, 18, .	2.5	0
616	One-year assessment of in-hospital cardiac arrest. Critical Care, 2014, 18, .	2.5	3
617	Endovascular hypothermia after cardiac arrest in a Chilean ICU. Critical Care, 2014, 18, .	2.5	0
618	Knowledge and use of therapeutic hypothermia in cardiac arrest victims among healthcare staff in Greece. Critical Care, 2014, 18, .	2.5	0
619	Induced hypothermia of 33Â°C does not affect host response compared with maintaining 36Â°C. Critical Care, 2014, 18, .	2.5	0
620	Shivering during targeted temperature management after cardiac arrest: a physiologic description. Critical Care, 2014, 18, .	2.5	0
621	Temperature management following cardiac arrest: introducing a protocol improves compliance with targets. Critical Care, 2014, 18, .	2.5	0
622	Factors involved in prolonged effect of neuromuscular blockade in therapeutic hypothermia. Critical Care, 2014, 18, .	2.5	0
623	Serum phosphate concentration during the rewarming period after deep hypothermic circulatory arrest. Critical Care, 2014, 18, .	2.5	1

#	Article	IF	Citations
624	Influence of baseline magnesium concentrations on shivering in therapeutic temperature modulation. Critical Care, 2014, 18, .	2.5	1
625	Derived electromyography is an accurate measure of shivering burden during targeted temperature management. Critical Care, 2014, 18, .	2.5	0
626	Lactate clearance as a predictor of mortality in colonic perforation. Critical Care, 2014, 18, .	2.5	0
627	Intensive alveolar recruitment after cardiac surgery: a randomized controlled clinical trial. Critical Care, 2014, 18, .	2.5	0
628	Adipose tissue lactate clearance but not blood lactate clearance is associated with clinical outcome in severe sepsis or septic shock during the post-resuscitation period. Critical Care, 2014, 18, .	2.5	0
629	Correlation between arterial lactate and venous lactate in patients with sepsis and septic shock. Critical Care, 2014, 18, .	2.5	6
630	Value of peak flow rates measured during a spontaneous breathing trial to predict success of weaning from mechanical ventilation. Critical Care, 2014, 18, .	2.5	0
631	Implementation of the Behavioural Pain Scale in sedated mechanically ventilated patients in a UK ICU. Critical Care, 2014, 18, .	2.5	0
633	T-cell receptor activation-associated cytokine release is impaired in septic patients with faecal peritonitis. Critical Care, 2014, 18, .	2.5	0
634	Targeting airway mucus hypersecretion in chronic obstructive pulmonary disease. Respiratory Investigation, 2015, 53, 247-248.	0.9	4
635	14. Management of Stable Chronic Obstructive Pulmonary Disease. , 2015, , 275-291.		0
636	Clinical characteristics of protracted bacterial bronchitis in Chinese infants. Scientific Reports, 2015, 5, 13731.	1.6	19
637	SNAP23 is selectively expressed in airway secretory cells and mediates baseline and stimulated mucin secretion. Bioscience Reports, 2015, 35, .	1.1	23
638	A novel siderophore system is essential for the growth of Pseudomonas aeruginosa in airway mucus. Scientific Reports, 2015, 5, 14644.	1.6	64
639	Protein Traffic Disorders: an Effective High-Throughput Fluorescence Microscopy Pipeline for Drug Discovery. Scientific Reports, 2015, 5, 9038.	1.6	55
640	Preventive nebulization of mucolytic agents and bronchodilating drugs in invasively ventilated intensive care unit patients (NEBULAE): study protocol for a randomized controlled trial. Trials, 2015, 16, 389.	0.7	9
641	Secretory IgA from submucosal glands does not compensate for its airway surface deficiency in chronic obstructive pulmonary disease. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2015, 467, 657-665.	1.4	15
642	Distal airways are protected from goblet cell metaplasia by diminished expression of <scp>IL</scp>â€13 signalling components. Clinical and Experimental Allergy, 2015, 45, 1447-1458.	1.4	15

#	Article	IF	Citations
643	Protein networks in induced sputum from smokers and COPD patients. International Journal of COPD, 2015, 10, 1957.	0.9	21
644	Novel Roles for Chloride Channels, Exchangers, and Regulators in Chronic Inflammatory Airway Diseases. Mediators of Inflammation, 2015, 2015, 1-13.	1.4	39
645	In Vitro Assessment of Chronic Nanoparticle Effects on Respiratory Cells. , 2015, , .		4
646	Bacterial Metabolism in the Host Environment: Pathogen Growth and Nutrient Assimilation in the Mammalian Upper Respiratory Tract. , 2015, , 231-261.		0
647	Notable Aspects of Glycan-Protein Interactions. Biomolecules, 2015, 5, 2056-2072.	1.8	42
648	Mucociliary dysfunction in HIV and smoked substance abuse. Frontiers in Microbiology, 2015, 6, 1052.	1.5	15
649	Baseline Goblet Cell Mucin Secretion in the Airways Exceeds Stimulated Secretion over Extended Time Periods, and Is Sensitive to Shear Stress and Intracellular Mucin Stores. PLoS ONE, 2015, 10, e0127267.	1.1	43
650	Airway Surface Dehydration Aggravates Cigarette Smoke-Induced Hallmarks of COPD in Mice. PLoS ONE, 2015, 10, e0129897.	1.1	21
651	The Role of Serine Proteases and Antiproteases in the Cystic Fibrosis Lung. Mediators of Inflammation, 2015, 2015, 1-10.	1.4	87
652	Genetic Deletion and Pharmacological Inhibition of PI3KÎ³Reduces Neutrophilic Airway Inflammation and Lung Damage in Mice with Cystic Fibrosis-Like Lung Disease. Mediators of Inflammation, 2015, 2015, 1-10.	1.4	13
653	Bacterial Metabolism in the Host Environment: Pathogen Growth and Nutrient Assimilation in the Mammalian Upper Respiratory Tract. Microbiology Spectrum, 2015, 3, .	1.2	10
654	Interferon at the crossroads of allergy and viral infections. Journal of Leukocyte Biology, 2015, 98, 185-194.	1.5	65
655	Mucociliary Function. , 2015, , 561-579.		2
657	Regulation of high glucose-mediated mucin expression by matrix metalloproteinase-9 in human airway epithelial cells. Experimental Cell Research, 2015, 333, 127-135.	1.2	12
658	The Endoplasmic Reticulum Resident Protein AGR3. Required for Regulation of Ciliary Beat Frequency in the Airway. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 536-543.	1.4	18
659	COPD: balancing oxidants and antioxidants. International Journal of COPD, 2015, 10, 261.	0.9	149
660	Pseudomonas aeruginosa-Induced Bleb-Niche Formation in Epithelial Cells Is Independent of Actinomyosin Contraction and Enhanced by Loss of Cystic Fibrosis Transmembrane-Conductance Regulator Osmoregulatory Function. MBio, 2015, 6, e02533.	1.8	29
661	Clinical significance of airway mucus hypersecretion in chronic obstructive pulmonary disease. Journal of Translational Internal Medicine, 2015, 3, 89-92.	1.0	30

#	Article	IF	Citations
662	Endogenous airway mucins carry glycans that bind Siglec-F and induce eosinophil apoptosis. Journal of Allergy and Clinical Immunology, 2015, 135, 1329-1340.e9.	1.5	72
663	Transcriptional adaptations during long-term persistence of Staphylococcus aureus in the airways of a cystic fibrosis patient. International Journal of Medical Microbiology, 2015, 305, 38-46.	1.5	19
664	Zebrafish as a model to study live mucus physiology. Scientific Reports, 2014, 4, 6653.	1.6	57
665	Antimicrobial efficacy of tobramycin polymeric nanoparticles for Pseudomonas aeruginosa infections in cystic fibrosis: Formulation, characterisation and functionalisation with dornase alfa (DNase). Journal of Controlled Release, 2015, 198, 55-61.	4.8	122
666	The polymeric mucin Muc5ac is required for allergic airway hyperreactivity. Nature Communications, 2015, 6, 6281.	5.8	223
667	Combined exposure to bacteria and cigarette smoke resembles characteristic phenotypes of human COPD in a murine disease model. Experimental and Toxicologic Pathology, 2015, 67, 261-269.	2.1	29
668	Complex Fluids and Soft Structures in the Human Body. Biological and Medical Physics Series, 2015, , 53-110.	0.3	14
669	The metabolomics of airway diseases, including COPD, asthma and cystic fibrosis. Biomarkers, 2015, 20, 5-16.	0.9	81
670	Origins of Cystic Fibrosis Lung Disease. New England Journal of Medicine, 2015, 372, 351-362.	13.9	523
671	Continuous mucociliary transport by primary human airway epithelial cells in vitro. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L99-L108.	1.3	61
672	Exploring the role and diversity of mucins in health and disease with special insight into non-communicable diseases. Glycoconjugate Journal, 2015, 32, 575-613.	1.4	30
673	Putting the Squeeze on Airway Epithelia. Physiology, 2015, 30, 293-303.	1.6	29
674	BMP signalling controls the construction of vertebrate mucociliary epithelia. Development (Cambridge), 2015, 142, 2352-63.	1.2	40
675	Recognition and management of children with protracted bacterial bronchitis. British Journal of Hospital Medicine (London, England: 2005), 2015, 76, 398-404.	0.2	4
676	AARC Clinical Practice Guideline: Effectiveness of Pharmacologic Airway Clearance Therapies in Hospitalized Patients. Respiratory Care, 2015, 60, 1071-1077.	0.8	32
677	Three cheers for the goblet cell: maintaining homeostasis in mucosal epithelia. Trends in Molecular Medicine, 2015, 21, 492-503.	3.5	151
678	Oxidation increases mucin polymer cross-links to stiffen airway mucus gels. Science Translational Medicine, 2015, 7, 276ra27.	5.8	199
679	Nasopharyngeal Colonization with Streptococcus pneumoniae. , 2015, , 279-291.		5

#	Article	IF	Citations
680	The Relationship of Mucus Concentration (Hydration) to Mucus Osmotic Pressure and Transport in Chronic Bronchitis. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 182-190.	2.5	136
681	The innate immune function of airway epithelial cells in inflammatory lung disease. European Respiratory Journal, 2015, 45, 1150-1162.	3.1	303
682	The respiratory microbiome and innate immunity in asthma. Current Opinion in Pulmonary Medicine, 2015, 21, 27-32.	1.2	46
683	MUC5B mucin production is upregulated by fibronectin and laminin in human lung epithelial cells via the integrin and ERK dependent pathway. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1794-1801.	0.6	2
684	Airway hydration and COPD. Cellular and Molecular Life Sciences, 2015, 72, 3637-3652.	2.4	67
685	Mechanisms of Bacterial Colonization of the Respiratory Tract. Annual Review of Microbiology, 2015, 69, 425-444.	2.9	154
686	Nasal Mucociliary Clearance in Adenoid Hypertrophy and Otitis Media with Effusion. Current Allergy and Asthma Reports, 2015, 15, 74.	2.4	10
687	Alterations in the sputum proteome and transcriptome in smokers and early-stage COPD subjects. Journal of Proteomics, 2015, 128, 306-320.	1.2	72
688	Notch2 Is Required for Inflammatory Cytokine-Driven Goblet Cell Metaplasia in the Lung. Cell Reports, 2015, 10, 239-252.	2.9	203
689	Moraxella catarrhalisinduces an immune response in the murine lung that is independent of human CEACAM5 expression and long-term smoke exposure. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L250-L261.	1.3	12
690	Permanent alveolar collapse is the predominant mechanism in idiopathic pulmonary fibrosis. Expert Review of Respiratory Medicine, 2015, 9, 411-418.	1.0	35
691	CLCA1 and TMEM16A: the link towards a potential cure for airway diseases. Expert Review of Respiratory Medicine, 2015, 9, 503-506.	1.0	20
692	Airway Gland Structure and Function. Physiological Reviews, 2015, 95, 1241-1319.	13.1	157
693	The lung communication network. Cellular and Molecular Life Sciences, 2015, 72, 2793-2808.	2.4	19
694	Bio-inspired materials in drug delivery: Exploring the role of pulmonary surfactant in siRNA inhalation therapy. Journal of Controlled Release, 2015, 220, 642-650.	4.8	44
695	Generation of tailored aerosols for inhalative drug delivery employing recent vibrating-mesh nebulizer systems. Therapeutic Delivery, 2015, 6, 621-636.	1.2	18
696	Update in Cystic Fibrosis 2014. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 669-675.	2.5	25
697	Anti-infective control in human bronchiolar epithelial cells by mucin phenotypic changes following uptake of N-acetyl-L-cysteine. Free Radical Research, 2015, 49, 1449-1458.	1.5	3

#	Article	IF	Citations
698	Involvement of Toll-Like Receptor 2 and Epidermal Growth Factor Receptor Signaling in Epithelial Expression of Airway Remodeling Factors. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 471-481.	1.4	14
699	Mycoplasma ovipneumoniae induces inflammatory response in sheep airway epithelial cells via a MyD88-dependent TLR signaling pathway. Veterinary Immunology and Immunopathology, 2015, 163, 57-66.	0.5	28
700	Cilia Dysfunction in Lung Disease. Annual Review of Physiology, 2015, 77, 379-406.	5.6	306
701	Cough and the Transmission of Tuberculosis. Journal of Infectious Diseases, 2015, 211, 1367-1372.	1.9	88
702	Airway responses towards allergens â€“ from the airway epithelium to T cells. Clinical and Experimental Allergy, 2015, 45, 1268-1287.	1.4	26
703	Azithromycin Attenuates Pulmonary Inflammation and Emphysema in Smoking-Induced COPD Model in Rats. Respiratory Care, 2015, 60, 128-134.	0.8	15
704	Effect of High-Insulin on MUC4, MUC5AC, and MUC5B Expression in Airway Epithelial Cells. Journal of Rhinology, 2016, 23, 17.	0.1	2
705	Immune Responses to Viral Infection. , 0, , 321-350.		1
706	18. Das Lungenmikrobiom bei chronisch-entzÃ¼ndlichen Lungenerkrankungen und bei kritisch kranken Patienten. , 2016, , .		0
707	Filamentous influenza viruses. Journal of General Virology, 2016, 97, 1755-1764.	1.3	77
708	Delivery of RNAi Therapeutics to the Airwaysâ€"From Bench to Bedside. Molecules, 2016, 21, 1249.	1.7	54
709	Investigating the role of MRGPRC11 and capsaicin-sensitive afferent nerves in the anti-influenza effects exerted by SLIGRL-amide in murine airways. Respiratory Research, 2016, 17, 62.	1.4	7
710	Evidence and Role for Bacterial Mucin Degradation in Cystic Fibrosis Airway Disease. PLoS Pathogens, 2016, 12, e1005846.	2.1	170
711	Evaluation of Mucociliary Clearance by Three Dimension Micro-CT-SPECT in Guinea Pig: Role of Bitter Taste Agonists. PLoS ONE, 2016, 11, e0164399.	1.1	13
712	Measurements of Deposition, Lung Surface Area and Lung Fluid for Simulation of Inhaled Compounds. Frontiers in Pharmacology, 2016, 7, 181.	1.6	154
713	Regulation of airway inflammation by Siglec-8 and Siglec-9 sialoglycan ligand expression. Current Opinion in Allergy and Clinical Immunology, 2016, 16, 24-30.	1.1	30
714	Spleen Tyrosine Kinase Induces MUC5AC Expression in Human Airway Epithelial Cell. American Journal of Rhinology and Allergy, 2016, 30, 89-93.	1.0	12
715	The role for human nasal epithelial nuclear factor kappa B activation in histamineâ€induced mucin 5 subtype B overproduction. International Forum of Allergy and Rhinology, 2016, 6, 264-270.	1.5	5

#	Article	IF	Citations
716	Chronic inflammatory airway diseases: the central role of the epithelium revisited. Clinical and Experimental Allergy, 2016, 46, 529-542.	1.4	71
717	Diesel Exhaust Particles Enhance <i>MUC4</i> Expression in NCI-H292 Cells and Nasal Epithelial Cells via the p38/CREB Pathway. International Archives of Allergy and Immunology, 2016, 171, 209-216.	0.9	10
718	T cells suppress memory-dependent rapid mucous cell metaplasia in mouse airways. Respiratory Research, 2016, 17, 132.	1.4	1
719	Airway remodeling: Systems biology approach, from bench to bedside. Technology and Health Care, 2016, 24, 811-819.	0.5	1
720	Pharmacological and genetic reappraisals of protease and oxidative stress pathways in a mouse model of obstructive lung diseases. Scientific Reports, 2016, 6, 39305.	1.6	17
721	Tsr Chemoreceptor Interacts With IL-8 Provoking E. coli Transmigration Across Human Lung Epithelial Cells. Scientific Reports, 2016, 6, 31087.	1.6	5
722	Inflammatory mechanisms in patients with chronic obstructive pulmonary disease. Journal of Allergy and Clinical Immunology, 2016, 138, 16-27.	1.5	956
723	Goblet cells of the conjunctiva: A review of recent findings. Progress in Retinal and Eye Research, 2016, 54, 49-63.	7.3	181
724	Inhaled protein/peptide-based therapies for respiratory disease. Molecular and Cellular Pediatrics, 2016, 3, 16.	1.0	41
725	A parametric study of mucociliary transport by numerical simulations of 3D non-homogeneous mucus. Journal of Biomechanics, 2016, 49, 1772-1780.	0.9	35
726	Control of lung defence by mucins and macrophages: ancient defence mechanisms with modern functions. European Respiratory Journal, 2016, 48, 1201-1214.	3.1	64
727	Idiopathic Pulmonary Fibrosis: A Genetic Disease That Involves Mucociliary Dysfunction of the Peripheral Airways. Physiological Reviews, 2016, 96, 1567-1591.	13.1	186
728	The Mucus Barrier to Inhaled Gene Therapy. Molecular Therapy, 2016, 24, 2043-2053.	3.7	138
729	Barrier function of the nasal mucosa in health and typeâ€2 biased airway diseases. Allergy: European Journal of Allergy and Clinical Immunology, 2016, 71, 295-307.	2.7	94
730	Impact of microâ€environmental changes on respiratory tract infections with intracellular bacteria. FEBS Letters, 2016, 590, 3887-3904.	1.3	27
731	Plugs of the Air Passages. Chest, 2016, 150, 1141-1157.	0.4	42
732	Drop spreading with random viscosity. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20160270.	1.0	5
733	Luteolin Attenuates Airway Mucus Overproduction via Inhibition of the GABAergic System. Scientific Reports, 2016, 6, 32756.	1.6	28

#	Article	IF	Citations
734	Allergic asthma is distinguished by sensitivity of allergen-specific CD4 ⁺ T cells and airway structural cells to type 2 inflammation. Science Translational Medicine, 2016, 8, 359ra132.	5.8	43
735	Suhuang antitussive capsule at lower doses attenuates airway hyperresponsiveness, inflammation and remodeling in a murine model of chronic asthma. Scientific Reports, 2016, 6, 21515.	1.6	22
736	Personalized medicine in cystic fibrosis: genistein supplementation as a treatment option for patients with a rare S1045Y-CFTR mutation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L364-L374.	1.3	12
737	Pulmonary rehabilitation coupled with negative pressure ventilation decreases decline in lung function, hospitalizations, and medical cost in COPD. Medicine (United States), 2016, 95, e5119.	0.4	11
738	Pilot evaluation of ivacaftor for chronic bronchitis. Lancet Respiratory Medicine,the, 2016, 4, e32-e33.	5.2	34
739	A novel dissociative steroid VBP15 reduces MUC5AC gene expression in airway epithelial cells but lacks the GRE mediated transcriptional properties of dexamethasone. Pulmonary Pharmacology and Therapeutics, 2016, 38, 17-26.	1.1	15
740	Analyses of chicken sialyltransferases related to O-glycosylation. Journal of Bioscience and Bioengineering, 2016, 122, 379-384.	1.1	5
741	Autophagy plays an essential role in cigarette smoke-induced expression of MUC5AC in airway epithelium. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L1042-L1052.	1.3	58
742	Bronchial epithelium in children: a key player in asthma. European Respiratory Review, 2016, 25, 158-169.	3.0	31
743	The neutrophil-recruiting chemokine GCP-2/CXCL6 is expressed in cystic fibrosis airways and retains its functional properties after binding to extracellular DNA. Mucosal Immunology, 2016, 9, 112-123.	2.7	28
744	Aerosol Deposition and Clearance. , 2016, , 168-183.e2.		4
745	Rational Drug Development for Mucous Dehydration and Mucous Metaplasia. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2016, 29, 1-9.	0.7	9
746	Autophagy is essential for ultrafine particle-induced inflammation and mucus hyperproduction in airway epithelium. Autophagy, 2016, 12, 297-311.	4.3	144
747	Pharmacological effects of lysozyme on COPD and bronchial asthma with sputum: A randomized, placebo-controlled, small cohort, cross-over study. Pulmonary Pharmacology and Therapeutics, 2016, 37, 73-80.	1.1	14
748	Inhibitors of pendrin anion exchange identified in a small molecule screen increase airway surface liquid volume in cystic fibrosis. FASEB Journal, 2016, 30, 2187-2197.	0.2	47
749	Pulmonary Abnormalities in Young, Light-Use Waterpipe (Hookah) Smokers. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 587-595.	2.5	24
750	Host-microbiome interactions in acute and chronic respiratory infections. Cellular Microbiology, 2016, 18, 652-662.	1.1	35
751	Computational transport, phase change and deposition analysis of inhaled multicomponent dropletâ€“vapor mixtures in an idealized human upper lung model. Journal of Aerosol Science, 2016, 96, 96-123.	1.8	63

#	Article	IF	Citations
752	Enhanced pulmonary delivery of fluticasone propionate in rodents by mucus-penetrating nanoparticles. International Journal of Pharmaceutics, 2016, 502, 188-197.	2.6	51
753	NADPH Oxidase-4 Overexpression IsÂAssociated With Epithelial Ciliary Dysfunction in Neutrophilic Asthma. Chest, 2016, 149, 1445-1459.	0.4	43
754	Acquired Cystic Fibrosis Transmembrane Conductance Regulator Dysfunction in Chronic Bronchitis and Other Diseases of Mucus Clearance. Clinics in Chest Medicine, 2016, 37, 147-158.	0.8	50
755	The Influence of Nebulized Drugs on Nasal Ciliary Activity. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2016, 29, 378-385.	0.7	12
757	CFD transient simulation of the cough clearance process using an Eulerian wall film model. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 142-152.	0.9	21
758	Influenza-binding antibodies immobilise influenza viruses in fresh human airwayÂmucus. European Respiratory Journal, 2017, 49, 1601709.	3.1	45
759	Genetics of idiopathic pulmonary fibrosis: from mechanistic pathways to personalised medicine. Journal of Medical Genetics, 2017, 54, 93-99.	1.5	50
760	Airway mucus, inflammation and remodeling: emerging links in the pathogenesis of chronic lung diseases. Cell and Tissue Research, 2017, 367, 537-550.	1.5	128
761	An experimental study of a rat model of emphysema induced by cigarette smoke exposure and the effect of Survanta therapy. Annals of Anatomy, 2017, 211, 69-77.	1.0	4
762	A novel two-step sequential bioaccessibility test for potentially toxic elements in inhaled particulate matter transported into the gastrointestinal tract by mucociliary clearance. Analytical and Bioanalytical Chemistry, 2017, 409, 3165-3174.	1.9	13
763	The Contribution of Small Airway Obstruction to the Pathogenesis of Chronic Obstructive Pulmonary Disease. Physiological Reviews, 2017, 97, 529-552.	13.1	206
764	The development and functions of multiciliated epithelia. Nature Reviews Molecular Cell Biology, 2017, 18, 423-436.	16.1	285
765	Intubation-free in vivo imaging of the tracheal mucosa using two-photon microscopy. Scientific Reports, 2017, 7, 694.	1.6	13
766	Sialic acid-to-urea ratio as a measure of airway surface hydration. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L398-L404.	1.3	21
767	A reappraisal of the mucoactive activity and clinical efficacy of bromhexine. Multidisciplinary Respiratory Medicine, 2017, 12, 7.	0.6	42
768	Numerical study on the air conditioning characteristics of the human nasal cavity. Computers in Biology and Medicine, 2017, 86, 18-30.	3.9	30
769	Ets homologous factor (EHF) has critical roles in epithelial dysfunction in airway disease. Journal of Biological Chemistry, 2017, 292, 10938-10949.	1.6	43
770	A ROS-dependent and Caspase-3-mediated apoptosis in sheep bronchial epithelial cells in response to Mycoplasma Ovipneumoniae infections. Veterinary Immunology and Immunopathology, 2017, 187, 55-63.	0.5	12

#	Article	IF	Citations
771	Proprotein convertase inhibition promotes ciliated cell differentiation - a potential mechanism for the inhibition of Notch1 signalling by decanoyl-RVKR-chloromethylketone. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 2667-2680.	1.3	9
772	Modeling Cystic Fibrosis and Mucociliary Clearance. , 2017, , 113-154.		3
773	Early growth response factor 1 is essential for cigarette smoke-induced MUC5AC expression in human bronchial epithelial cells. Biochemical and Biophysical Research Communications, 2017, 490, 147-154.	1.0	19
774	Photoactivatable fluorescent probes reveal heterogeneous nanoparticle permeation through biological gels at multiple scales. Journal of Controlled Release, 2017, 260, 124-133.	4.8	14
775	Evaluation of a novel technique in airway clearance therapy â€“ Specific Cough Technique (SCT) in cystic fibrosis: A pilot study of a series of N-of-1 randomised controlled trials. SAGE Open Medicine, 2017, 5, 205031211769750.	0.7	9
776	Prolonged denervation induces remodeling of nasal mucosa in rat model of posterior nasal neurectomy. International Forum of Allergy and Rhinology, 2017, 7, 670-678.	1.5	8
777	Gel-forming mucins form distinct morphologic structures in airways. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6842-6847.	3.3	132
778	Targeted epigenetic editing of SPDEF reduces mucus production in lung epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L334-L347.	1.3	35
779	Identification of essential genes of Pseudomonas aeruginosa for its growth in airway mucus. Journal of Microbiology, 2017, 55, 68-74.	1.3	10
780	Numerical and experimental investigation of mucociliary clearance breakdown in cystic fibrosis. Journal of Biomechanics, 2017, 53, 56-63.	0.9	32
781	Functional characterisation and application of an ex vivo perfusion-superfusion system in murine airways. Journal of Pharmacological and Toxicological Methods, 2017, 84, 66-77.	0.3	3
782	Polymeric drug delivery micelle-like nanocarriers for pulmonary administration of beclomethasone dipropionate. Colloids and Surfaces B: Biointerfaces, 2017, 151, 206-214.	2.5	27
783	Physicochemical properties of mucus and their impact on transmucosal drug delivery. International Journal of Pharmaceutics, 2017, 532, 555-572.	2.6	308
784	Capsule Type and Amount Affect Shedding and Transmission of Streptococcus pneumoniae. MBio, 2017, 8, .	1.8	58
785	Î² ₂ -Adrenoceptor signaling in airway epithelial cells promotes eosinophilic inflammation, mucous metaplasia, and airway contractility. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9163-E9171.	3.3	41
786	IL-1Î² upregulates Muc5ac expression via NF-Î°B-induced HIF-1Î± in asthma. Immunology Letters, 2017, 192, 20-26.	1.1	40
787	Effect of airway surface liquid on the forces on the pharyngeal wall: Experimental fluidâ€“structure interaction study. Journal of Biomechanics, 2017, 63, 117-124.	0.9	4
788	Identification of trans Protein QTL for Secreted Airway Mucins in Mice and a Causal Role for Bpifb1. Genetics, 2017, 207, 801-812.	1.2	24

#	Article	IF	Citations
789	Positive feedback of the amphiregulin-EGFR-ERK pathway mediates PM2.5 from wood smoke-induced MUC5AC expression in epithelial cells. Scientific Reports, 2017, 7, 11084.	1.6	31
790	Probing the potential of mucus permeability to signify preterm birth risk. Scientific Reports, 2017, 7, 10302.	1.6	29
791	Airway Mucin Concentration as a Marker of Chronic Bronchitis. New England Journal of Medicine, 2017, 377, 911-922.	13.9	279
792	MUC5AC and a Glycosylated Variant of MUC5B Alter Mucin Composition in Children With Acute Asthma. Chest, 2017, 152, 771-779.	0.4	70
793	Acute and Chronic Effects of Oral Erdosteine on Ciliary Beat Frequency, Cough Sensitivity and Airway Reactivity. Advances in Experimental Medicine and Biology, 2017, 1023, 1-10.	0.8	2
794	The use of pulmonary clearance medications in the acutely ill patient. Expert Review of Respiratory Medicine, 2017, 11, 815-826.	1.0	4
796	The therapeutic potential of CFTR modulators for COPD and other airway diseases. Current Opinion in Pharmacology, 2017, 34, 132-139.	1.7	41
797	Effect of inhaled and oral n-acetylcysteine on airway defense mechanism. European Pharmaceutical Journal, 2017, 64, 17-21.	0.2	2
798	Assessing the Collective Dynamics of Motile Cilia in Cultures of Human Airway Cells by Multiscale DDM. Biophysical Journal, 2017, 113, 109-119.	0.2	55
799	A computational study of mucociliary transport in healthy and diseased environments. European Journal of Computational Mechanics, 2017, 26, 4-30.	0.6	17
800	Allergic airway inflammation: key players beyond the Th2 cell pathway. Immunological Reviews, 2017, 278, 145-161.	2.8	105
801	Cellular and molecular mechanisms of asthma and COPD. Clinical Science, 2017, 131, 1541-1558.	1.8	339
802	Respiratory microbiota and lower respiratory tract disease. Expert Review of Anti-Infective Therapy, 2017, 15, 703-711.	2.0	34
803	The Effects of Short- and Long-Term Exposure to Hyperbaric Oxygen on Nasal Mucociliary Clearance. Journal of Craniofacial Surgery, 2017, 28, 331-333.	0.3	2
804	Understanding Interstitial Lung Disease: Itâ€™s in the Mucus. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 12-14.	1.4	11
806	Runx2, a novel regulator for goblet cell differentiation and asthma development. FASEB Journal, 2017, 31, 412-420.	0.2	22
807	Probing mucin interaction behavior of magnetic nanoparticles. Journal of Colloid and Interface Science, 2017, 488, 258-268.	5.0	30
808	Suppression of MUC5AC expression in human bronchial epithelial cells by interferon-Î³. Allergology International, 2017, 66, 75-82.	1.4	11

#	Article	IF	Citations
809	Escherichia coliâ€“derived and Staphylococcus aureusâ€“derived extracellular vesicles induce MUC5AC expression via extracellular signal related kinase 1/2 and p38 mitogenâ€activated protein kinase in human airway epithelial cells. International Forum of Allergy and Rhinology, 2017, 7, 91-98.	1.5	15
810	EGF-Amphiregulin Interplay in Airway Stem/Progenitor Cells Links the Pathogenesis of Smoking-Induced Lesions in the Human Airway Epithelium. Stem Cells, 2017, 35, 824-837.	1.4	54
811	Îº<scp>BNS</scp> induces Muc5ac expression in epithelial cells and causes airway hyperâ€responsiveness in murine asthma models. Allergy: European Journal of Allergy and Clinical Immunology, 2017, 72, 1043-1053.	2.7	13
812	MMP-8, MMP-9 and Neutrophil Elastase in Peripheral Blood and Exhaled Breath Condensate in COPD. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2017, 14, 238-244.	0.7	37
813	Inflammatory Mechanisms in Chronic Obstructive Pulmonary Disease. , 2017, , 1173-1198.		1
814	Tuberculosis Infectiousness and Host Susceptibility. Journal of Infectious Diseases, 2017, 216, S636-S643.	1.9	65
815	A Slippery Cause of a Slimy Problem: Mucin Induction by an Esterified Lipid. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 633-634.	1.4	0
816	Estimating drivers of cell state transitions using gene regulatory network models. BMC Systems Biology, 2017, 11, 139.	3.0	17
817	Small Airways in Asthma: Distal is Different. Journal of Clinical & Cellular Immunology, 2017, 08, .	1.5	0
818	Automated segmentation and quantification of airway mucus with endobronchial optical coherence tomography. Biomedical Optics Express, 2017, 8, 4729.	1.5	14
819	Airway Mucus and Asthma: The Role of MUC5AC and MUC5B. Journal of Clinical Medicine, 2017, 6, 112.	1.0	227
820	Diallylthiosulfinate (Allicin), a Volatile Antimicrobial from Garlic (Allium sativum), Kills Human Lung Pathogenic Bacteria, Including MDR Strains, as a Vapor. Molecules, 2017, 22, 1711.	1.7	103
821	Sodium tanshinone IIA sulfonate stimulated Clâ¯ secretion in mouse trachea. PLoS ONE, 2017, 12, e0178226.	1.1	9
822	Regulation of xanthine dehydrogensase gene expression and uric acid production in human airway epithelial cells. PLoS ONE, 2017, 12, e0184260.	1.1	25
823	A new index for characterizing micro-bead motion in a flow induced by ciliary beating: Part II, modeling. PLoS Computational Biology, 2017, 13, e1005552.	1.5	15
824	Characterization of pediatric cystic fibrosis airway epithelial cell cultures at the air-liquid interface obtained by non-invasive nasal cytology brush sampling. Respiratory Research, 2017, 18, 215.	1.4	21
825	Mucus and Mucins: do they have a role in the inhibition of the human immunodeficiency virus?. Virology Journal, 2017, 14, 192.	1.4	37
826	Role of guaifenesin in the management of chronic bronchitis and upper respiratory tract infections. Multidisciplinary Respiratory Medicine, 2017, 12, 31.	0.6	30

#	Article	IF	Citations
827	Nonrespiratory Functions of the Lung. , 2017, , 203-214.e2.		1
829	ANSYSâ€MATLAB coâ€simulation of mucus flow distribution and clearance effectiveness of a new simulated cough device. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2978.	1.0	14
830	Effect of On-Demand vs Routine Nebulization of Acetylcysteine With Salbutamol on Ventilator-Free Days in Intensive Care Unit Patients Receiving Invasive Ventilation. JAMA - Journal of the American Medical Association, 2018, 319, 993.	3.8	22
831	Absorption of Nasal and Bronchial Fluids: Precision Sampling of the Human Respiratory Mucosa and Laboratory Processing of Samples. Journal of Visualized Experiments, 2018, , .	0.2	32
832	Preparation of drug-loaded small unilamellar liposomes and evaluation of their potential for the treatment of chronic respiratory diseases. International Journal of Pharmaceutics, 2018, 545, 378-388.	2.6	42
833	Mechanisms and Biomarkers of Exercise-Induced Bronchoconstriction. Immunology and Allergy Clinics of North America, 2018, 38, 165-182.	0.7	30
834	Selective permeability of mucus barriers. Current Opinion in Biotechnology, 2018, 52, 124-133.	3.3	95
835	Meta-analysis of airway epithelium gene expression in asthma. European Respiratory Journal, 2018, 51, 1701962.	3.1	26
836	Helical micropumps near surfaces. Biomicrofluidics, 2018, 12, 014108.	1.2	10
837	Salvianolic acid B improves airway hyperresponsiveness by inhibiting MUC5AC overproduction associated with Erk1/2/P38 signaling. European Journal of Pharmacology, 2018, 824, 30-39.	1.7	9
838	ATP12A promotes mucus dysfunction during Type 2 airway inflammation. Scientific Reports, 2018, 8, 2109.	1.6	33
839	Unexplained cough: it is time to rule out Sjogrenâ€™s syndrome. Clinical Rheumatology, 2018, 37, 1215-1222.	1.0	6
840	Ineffective cough and mechanical mucociliary clearance techniques. Medicina Intensiva (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	0.1	3
841	Mucus hypersecretion in asthma is associated with rhinosinusitis, polyps and exacerbations. Respiratory Medicine, 2018, 135, 22-28.	1.3	30
842	Breathing Exercises and Mucus Clearance Techniques in Pulmonary Rehabilitation. , 2018, , 205-216.		2
843	Persistent induction of goblet cell differentiation in the airways: Therapeutic approaches. , 2018, 185, 155-169.		24
844	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
845	IL-13 in LPS-Induced Inflammation Causes Bcl-2 Expression to Sustain Hyperplastic Mucous cells. Scientific Reports, 2018, 8, 436.	1.6	18

#	Article	IF	Citations
846	Aspiration Pneumonia and Related Syndromes. Mayo Clinic Proceedings, 2018, 93, 752-762.	1.4	49
847	SPDEFending the Lung through Mucin Expression. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 287-288.	1.4	1
848	Evaluation of autophagy inducers in epithelial cells carrying the Î”F508 mutation of the cystic fibrosis transmembrane conductance regulator CFTR. Cell Death and Disease, 2018, 9, 191.	2.7	19
849	TRRAP is a central regulator of human multiciliated cell formation. Journal of Cell Biology, 2018, 217, 1941-1955.	2.3	15
850	Cystic Fibrosis Sputum Rheology Correlates With Both Acute and Longitudinal Changes in Lung Function. Chest, 2018, 154, 370-377.	0.4	48
851	An Adeno-Associated Viral Vector Capable of Penetrating the Mucus Barrier to Inhaled Gene Therapy. Molecular Therapy - Methods and Clinical Development, 2018, 9, 296-304.	1.8	40
852	Resistin upregulates MUC5AC/B mucin gene expression in human airway epithelial cells. Biochemical and Biophysical Research Communications, 2018, 499, 655-661.	1.0	19
853	Secondhand Smoke Induces Inflammation and Impairs Immunity to Respiratory Infections. Journal of Immunology, 2018, 200, 2927-2940.	0.4	42
854	Elastase activity on sputum neutrophils correlates with severity of lung disease in cystic fibrosis. European Respiratory Journal, 2018, 51, 1701910.	3.1	67
855	Air-Liquid Interface: Relevant In Vitro Models for Investigating Air Pollutant-Induced Pulmonary Toxicity. Toxicological Sciences, 2018, 164, 21-30.	1.4	196
856	Tos ineficaz y tÃ©cnicas mecÃ¡nicas de aclaramiento mucociliar. Medicina Intensiva, 2018, 42, 50-59.	0.4	10
857	Epigenetics of Mucus Hypersecretion in Chronic Respiratory Diseases. American Journal of Respiratory Cell and Molecular Biology, 2018, 58, 299-309.	1.4	27
858	Lung development, regeneration and plasticity: From disease physiopathology to drug design using induced pluripotent stem cells. , 2018, 183, 58-77.		18
859	Lung epithelial cells: therapeutically inducible effectors of antimicrobial defense. Mucosal Immunology, 2018, 11, 21-34.	2.7	151
860	Mucins, Mucus, and Goblet Cells. Chest, 2018, 154, 169-176.	0.4	259
861	The role of mucus as an invisible cloak to transepithelial drug delivery by nanoparticles. Advanced Drug Delivery Reviews, 2018, 124, 107-124.	6.6	85
862	Influence of Airway Secretion on Airflow Dynamics of Mechanical Ventilated Respiratory System. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 1660-1668.	1.9	21
863	Curcumin Inhibits Lipopolysaccharide-Induced Mucin 5AC Hypersecretion and Airway Inflammation via Nuclear Factor Erythroid 2-Related Factor 2. Chinese Medical Journal, 2018, 131, 1686-1693.	0.9	5

#	Article	IF	Citations
864	Emerging Concepts and Therapies for Mucoobstructive Lung Disease. Annals of the American Thoracic Society, 2018, 15, S216-S226.	1.5	37
865	Airway Mucin Secretion. Annals of the American Thoracic Society, 2018, 15, S164-S170.	1.5	41
866	Functional Anatomic Imaging of the Airway Surface. Annals of the American Thoracic Society, 2018, 15, S177-S183.	1.5	8
867	Autopsy and Imaging Studies of Mucus in Asthma. Lessons Learned about Disease Mechanisms and the Role of Mucus in Airflow Obstruction. Annals of the American Thoracic Society, 2018, 15, S184-S191.	1.5	40
868	Mucociliary Defense: Emerging Cellular, Molecular, and Animal Models. Annals of the American Thoracic Society, 2018, 15, S210-S215.	1.5	23
869	Chairâ€™s Summary: Secreted Mucins in Lung Diseases. Annals of the American Thoracic Society, 2018, 15, S140-S142.	1.5	1
870	What it takes for a cough to expel mucus from the airway. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12340-12342.	3.3	8
871	Mucociliary Transport in Healthy and Cystic Fibrosis Pig Airways. Annals of the American Thoracic Society, 2018, 15, S171-S176.	1.5	19
872	The Interplay Between Immune Response and Bacterial Infection in COPD: Focus Upon Non-typeable Haemophilus influenzae. Frontiers in Immunology, 2018, 9, 2530.	2.2	74
873	Muc5b overexpression causes mucociliary dysfunction and enhances lung fibrosis in mice. Nature Communications, 2018, 9, 5363.	5.8	175
874	Temporal differentiation of bovine airway epithelial cells grown at an air-liquid interface. Scientific Reports, 2018, 8, 14893.	1.6	23
875	A Small Molecule BH3-mimetic Suppresses Cigarette Smoke-Induced Mucous Expression in Airway Epithelial Cells. Scientific Reports, 2018, 8, 13796.	1.6	12
876	Entropically driven aggregation of bacteria by host polymers promotes antibiotic tolerance in Pseudomonas aeruginosa. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10780-10785.	3.3	119
877	FIBCD1 Binds Aspergillus fumigatus and Regulates Lung Epithelial Response to Cell Wall Components. Frontiers in Immunology, 2018, 9, 1967.	2.2	20
878	In vivo competition and horizontal gene transfer among distinct Staphylococcus aureus lineages as major drivers for adaptational changes during long-term persistence in humans. BMC Microbiology, 2018, 18, 152.	1.3	24
879	Mucins trigger dispersal of Pseudomonas aeruginosa biofilms. Npj Biofilms and Microbiomes, 2018, 4, 23.	2.9	52
880	Role of Inflammatory Risk Factors in the Pathogenesis of Streptococcus pneumoniae. Frontiers in Immunology, 2018, 9, 2275.	2.2	10
881	TLR7 agonist attenuates acetylcholineâ€induced, Ca²⁺â€dependent ionic currents in swine tracheal submucosal gland cells. Experimental Physiology, 2018, 103, 1543-1559.	0.9	3

#	Article	IF	Citations
882	Low Dose Carbon Black Nanoparticle Exposure Does Not Aggravate Allergic Airway Inflammation in Mice Irrespective of the Presence of Surface Polycyclic Aromatic Hydrocarbons. Nanomaterials, 2018, 8, 213.	1.9	5
883	Sensory irritation of vapours of formic, acetic, propionic and butyric acid. Regulatory Toxicology and Pharmacology, 2018, 99, 89-97.	1.3	13
884	Evaluating Mode of Action of Acrolein Toxicity in an In Vitro Human Airway Tissue Model. Toxicological Sciences, 2018, 166, 451-464.	1.4	31
885	Mucins: the frontline defence of the lung. Biochemical Society Transactions, 2018, 46, 1099-1106.	1.6	134
886	Epidemiology, Biology, and Impact of Clonal Pseudomonas aeruginosa Infections in Cystic Fibrosis. Clinical Microbiology Reviews, 2018, 31, .	5.7	179
887	Role of mucins in lung homeostasis: regulated expression and biosynthesis in health and disease. Biochemical Society Transactions, 2018, 46, 707-719.	1.6	35
888	Interaction of Bacterial Phenazines with Colistimethate in Bronchial Epithelial Cells. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	10
889	Cured bronchi! Extending the use of nebulised hypertonic saline outside of cystic fibrosis?. European Respiratory Journal, 2018, 51, 1800755.	3.1	0
890	Association of Standardized Tracheostomy Care Protocol Implementation and Reinforcement With the Prevention of Life-Threatening Respiratory Events. JAMA Otolaryngology - Head and Neck Surgery, 2018, 144, 527.	1.2	9
891	Biomimetics of the pulmonary environment in vitro: A microfluidics perspective. Biomicrofluidics, 2018, 12, 042209.	1.2	43
892	Pathophysiology and Genetics of Bronchiectasis Unrelated to Cystic Fibrosis. Lung, 2018, 196, 383-392.	1.4	14
893	Airway Epithelium Dysfunction in Cystic Fibrosis and COPD. Mediators of Inflammation, 2018, 2018, 1-20.	1.4	70
894	New insights into the mechanisms controlling the bronchial mucus balance. PLoS ONE, 2018, 13, e0199319.	1.1	32
895	Cigarette Smoke-Induced Acquired Dysfunction of Cystic Fibrosis Transmembrane Conductance Regulator in the Pathogenesis of Chronic Obstructive Pulmonary Disease. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13.	1.9	19
896	High Concentration of Insulin Induces MUC5AC Expression via Phosphoinositide 3 Kinase/AKT and Mitogen-activated Protein Kinase Signaling Pathways in Human Airway Epithelial Cells. American Journal of Rhinology and Allergy, 2018, 32, 350-358.	1.0	11
897	PEGylated enhanced cell penetrating peptide nanoparticles for lung gene therapy. Journal of Controlled Release, 2018, 285, 35-45.	4.8	150
898	The influence of meteorological factors on tuberculosis incidence in Southwest China from 2006 to 2015. Scientific Reports, 2018, 8, 10053.	1.6	44
899	Dysregulated Functions of Lung Macrophage Populations in COPD. Journal of Immunology Research, 2018, 2018, 1-19.	0.9	51

#	Article	IF	Citations
900	Airway Epithelial Cell Peroxisome Proliferatorâ€“Activated Receptor Î³ Regulates Inflammation and Mucin Expression in Allergic Airway Disease. Journal of Immunology, 2018, 201, 1775-1783.	0.4	29
901	Contribution of Host Defence Proteins and Peptides to Host-Microbiota Interactions in Chronic Inflammatory Lung Diseases. Vaccines, 2018, 6, 49.	2.1	6
902	Seeing cilia: imaging modalities for ciliary motion and clinical connections. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L909-L921.	1.3	18
903	Platyhelminthes: Molecular Dissection of the Planarian Innate Immune System. , 2018, , 95-115.		3
904	Principles of Urgent Management of Acute Airway Obstruction. Thoracic Surgery Clinics, 2018, 28, 415-428.	0.4	13
905	Cigarette whole smoke solutions disturb mucin homeostasis in a human in vitro airway tissue model. Toxicology, 2018, 409, 119-128.	2.0	29
906	Integrative Physiology of Pneumonia. Physiological Reviews, 2018, 98, 1417-1464.	13.1	154
907	Neutrophilic Inflammation in the Pathogenesis of Chronic Obstructive Pulmonary Disease. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2018, 15, 392-404.	0.7	45
908	Surviving Deadly Lung Infections: Innate Host Tolerance Mechanisms in the Pulmonary System. Frontiers in Immunology, 2018, 9, 1421.	2.2	37
909	Modulation of Lung Epithelial Cell Function Using Conditional and Inducible Transgenic Approaches. Methods in Molecular Biology, 2018, 1809, 169-201.	0.4	0
910	A bispecific antibody strategy to target multiple type 2 cytokines in asthma. Journal of Allergy and Clinical Immunology, 2018, 142, 1185-1193.e4.	1.5	32
911	Lung Innate Immunity and Inflammation. Methods in Molecular Biology, 2018, , .	0.4	2
912	Effect of the temperature of nasal lavages on mucociliary clearance: a randomised controlled trial. European Archives of Oto-Rhino-Laryngology, 2018, 275, 2403-2406.	0.8	9
913	Effects of PM2.5 on mucus secretion and tissue remodeling in a rabbit model of chronic rhinosinusitis. International Forum of Allergy and Rhinology, 2018, 8, 1349-1355.	1.5	23
914	Inflammation in cystic fibrosis: An update. Pediatric Pulmonology, 2018, 53, S30-S50.	1.0	187
915	Clinical implications of CD4+ T cell subsets in adult atopic asthma patients. Allergy, Asthma and Clinical Immunology, 2018, 14, 7.	0.9	11
916	Inhibition of mucin secretion via glucocorticoid-induced regulation of calcium-related proteins in mouse lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L956-L966.	1.3	8
917	Effects of Modified Zhisou Powder on Airway Mucus Production in Chronic Obstructive Pulmonary Disease Model Rats with Cold-Dryness Syndrome. Evidence-based Complementary and Alternative Medicine, 2018, 2018, 1-9.	0.5	7

#	Article	IF	Citations
918	A new role for the exhaled nitric oxide as a functional marker of peripheral airway caliber changes: a theoretical study. Journal of Applied Physiology, 2018, 124, 1025-1033.	1.2	10
919	Low dose of chlorine exposure exacerbates nasal and pulmonary allergic inflammation in mice. Scientific Reports, 2018, 8, 12636.	1.6	8
920	Management of airway mucus hypersecretion in chronic airway inflammatory disease: Chinese expert consensus (English edition). International Journal of COPD, 2018, Volume 13, 399-407.	0.9	54
921	Establishment and comparison of air-liquid interface culture systems for primary and immortalized swine tracheal epithelial cells. BMC Cell Biology, 2018, 19, 10.	3.0	30
922	Impact of PEGylation on the mucolytic activity of recombinant human deoxyribonuclease I in cystic fibrosis sputum. Clinical Science, 2018, 132, 1439-1452.	1.8	13
923	Interleukin (IL) 36 gamma induces mucin 5AC, oligomeric mucus/gel-forming expression via IL-36 receptorâ€“extracellular signal regulated kinase 1 and 2, and p38â€“nuclear factor kappa-light-chain-enhancer of activated B cells in human airway epithelial cells. American Journal of Rhinology and Allergy, 2018, 32, 87-93.	1.0	11
924	Dexmedetomidine facilitates extubation in children who require intubation and respiratory support after airway foreign body retrieval: a caseâ€“cohort analysis of 57 cases. Journal of Anesthesia, 2018, 32, 592-598.	0.7	4
925	Development of self-emulsifying drug delivery systems (SEDDS) for ciprofloxacin with improved mucus permeating properties. International Journal of Pharmaceutics, 2018, 547, 282-290.	2.6	24
926	Human Organotypic Respiratory Models. Current Topics in Microbiology and Immunology, 2018, , 29-54.	0.7	1
927	Th2 cytokines orchestrate the secretion of <scp>MUC</scp>5<scp>AC</scp> and <scp>MUC</scp>5B in <scp>IL</scp>â€5â€positive chronic rhinosinusitis with nasal polyps. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 131-140.	2.7	55
928	Anatomic and Physiologic Aspects of Airways. , 2019, , 65-74.		0
929	Lung Defense Mechanisms. , 2019, , 285-296.		1
930	Directional transport of centimeter-scale object on anisotropic microcilia surface under water. Science China Materials, 2019, 62, 236-244.	3.5	13
931	Immunopathology of Airway Surface Liquid Dehydration Disease. Journal of Immunology Research, 2019, 2019, 1-16.	0.9	15
932	IL-19 Up-Regulates Mucin 5AC Production in Patients With Chronic Rhinosinusitis via STAT3 Pathway. Frontiers in Immunology, 2019, 10, 1682.	2.2	20
933	Lipopolysaccharide and lipoteichoic acid enhance serum amyloid A3 mRNA expression in murine alveolar epithelial cells. Journal of Veterinary Medical Science, 2019, 81, 1409-1412.	0.3	3
934	RNAi therapeutic strategies for acute respiratory distress syndrome. Translational Research, 2019, 214, 30-49.	2.2	15
935	Effect of inspiration cycle and ventilation rate on heat exchange in human respiratory airways. Journal of Thermal Biology, 2019, 84, 357-367.	1.1	14

#	Article	IF	Citations
936	Upregulation of cell-surface mucin MUC15 in human nasal epithelial cells upon influenza A virus infection. BMC Infectious Diseases, 2019, 19, 622.	1.3	18
937	Ground zeroâ€"the airway epithelium. , 2019, , 61-98.		5
938	Direct Visualization of Laryngeal Mucociliary Clearance in Adults. Annals of Otology, Rhinology and Laryngology, 2019, 128, 1048-1053.	0.6	1
939	The airway epithelium in asthma. Advances in Immunology, 2019, 142, 1-34.	1.1	33
940	The Farmed Atlantic Salmon (Salmo salar) Skinâ€"Mucus Proteome and Its Nutrient Potential for the Resident Bacterial Community. Genes, 2019, 10, 515.	1.0	26
941	Mathematical Modeling of Mucociliary Clearance: A Mini-Review. Cells, 2019, 8, 736.	1.8	15
942	Niflumic Acid Reverses Airway Mucus Excess and Improves Survival in the Rat Model of Steroid-Induced Pneumocystis Pneumonia. Frontiers in Microbiology, 2019, 10, 1522.	1.5	2
943	Shedding Light on the Trehaloseâ€Enabled Mucopermeation of Nanoparticles with Labelâ€Free Raman Spectroscopy. Small, 2019, 15, e1901679.	5.2	10
944	The Possible Pathogenesis of Idiopathic Pulmonary Fibrosis consideringMUC5B. BioMed Research International, 2019, 2019, 1-12.	0.9	28
945	Otolaryngology Aspects of Chronic Cough. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 1750-1755.	2.0	10
946	Disassembling the complexity of mucus barriers to develop a fast screening tool for early drug discovery. Journal of Materials Chemistry B, 2019, 7, 4940-4952.	2.9	27
947	Simulation study on the mass transport in PCL based on the ciliated dynamic system of the respiratory tract. Journal of Physics: Conference Series, 2019, 1300, 012068.	0.3	1
948	Nasopharyngeal Pneumococcal Density during Asymptomatic Respiratory Virus Infection and Risk for Subsequent Acute Respiratory Illness. Emerging Infectious Diseases, 2019, 25, 2040-2047.	2.0	32
949	An Intriguing Involvement of Mitochondria in Cystic Fibrosis. Journal of Clinical Medicine, 2019, 8, 1890.	1.0	21
950	Safety And Tolerability Of Extended-Release Guaifenesin In Patients With Cough, Thickened Mucus And Chest Congestion Associated With Upper Respiratory Tract Infection . Drug, Healthcare and Patient Safety, 2019, Volume 11, 87-94.	1.0	5
951	Cystic Fibrosis: Pathophysiology of Lung Disease. Seminars in Respiratory and Critical Care Medicine, 2019, 40, 715-726.	0.8	55
952	Assessment and Management of Suspected Chronic Obstructive Pulmonary Disease in the Primary Care Setting. Journal for Nurse Practitioners, 2019, 15, 701-708.	0.4	0
953	Soybean and common ragweed (Ambrosia artemisiifolia) growth in monoculture and mixture. Weed Technology, 2019, 33, 481-489.	0.4	3

#	Article	IF	Citations
954	Three-Dimensional Numerical Analysis of Periciliary Liquid Layer: Ciliary Abnormalities in Respiratory Diseases. Applied Sciences (Switzerland), 2019, 9, 4033.	1.3	10
955	Differential Expression of Mucins in Murine Olfactory Versus Respiratory Epithelium. Chemical Senses, 2019, 44, 511-521.	1.1	5
956	Small airway fibrosis in COPD. International Journal of Biochemistry and Cell Biology, 2019, 116, 105598.	1.2	60
957	Long Noncoding Transcriptome in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 678-688.	1.4	38
958	Immunological Basis of Oxidative Stress-Induced Lung Inflammation in Asthma and COPD. , 2019, , 195-223.		5
959	Analysis of the 3D non-linear Stokes problem coupled to transport-diffusion for shear-thinning heterogeneous microscale flows, applications to digital rock physics and mucociliary clearance. ESAIM: Mathematical Modelling and Numerical Analysis, 2019, 53, 1083-1124.	0.8	6
960	Innate Lymphoid Cellâ€"Dependent Airway Epithelial and Inflammatory Responses to Inhaled Ozone: A New Paradigm in Pathogenesis. Toxicologic Pathology, 2019, 47, 993-1003.	0.9	8
961	Dissection of Pharmacological Mechanism of Chinese Herbal Medicine Yihuo Huatan Formula on Chronic Obstructive Pulmonary Disease: A Systems Pharmacology-Based Study. Scientific Reports, 2019, 9, 13431.	1.6	12
962	IL-33 blockade affects mediators of persistence and exacerbation in a model of chronic airway inflammation. Journal of Allergy and Clinical Immunology, 2019, 144, 1624-1637.e10.	1.5	64
963	Carbocisteine inhibits the expression of Muc5b in COPD mouse model . Drug Design, Development and Therapy, 2019, Volume 13, 3259-3268.	2.0	11
964	Targeted delivery of antibiotics to the infected pulmonary tissues using ROS-responsive nanoparticles. Journal of Nanobiotechnology, 2019, 17, 103.	4.2	73
965	Srolo Bzhtang, a traditional Tibetan medicine formula, inhibits cigarette smoke induced airway inflammation and muc5ac hypersecretion via suppressing IL-13/STAT6 signaling pathway in rats. Journal of Ethnopharmacology, 2019, 235, 424-434.	2.0	17
966	Mechanisms of Fibrosis. , 2019, , 9-31.		3
967	TAS-203, an oral phosphodiesterase 4 inhibitor, exerts anti-inflammatory activities in a rat airway inflammation model. European Journal of Pharmacology, 2019, 849, 22-29.	1.7	5
968	Sputum Proteomics Reveals a Shift in Vitamin D-binding Protein and Antimicrobial Protein Axis in Tuberculosis Patients. Scientific Reports, 2019, 9, 1036.	1.6	16
969	Goblet cell hyperplasia as a feature of neutrophilic asthma. Clinical and Experimental Allergy, 2019, 49, 781-788.	1.4	17
970	Novel aroylated phenylenediamine compounds enhance antimicrobial defense and maintain airway epithelial barrier integrity. Scientific Reports, 2019, 9, 7114.	1.6	12
971	Molecular interactions betweenNeisseria meningitidisand its human host. Cellular Microbiology, 2019, 21, e13063.	1.1	15

#	Article	IF	Citations
972	Nanoparticle diffusion in spontaneously expectorated sputum as a biophysical tool to probe disease severity in COPD. European Respiratory Journal, 2019, 54, 1900088.	3.1	18
973	MicroRNAs in Respiratory Diseases. , 2019, , 89-131.		1
974	Analytical and pharmacological validation of the quantification of phenol red in a mouse model: An optimized method to evaluate expectorant drugs. Journal of Pharmacological and Toxicological Methods, 2019, 98, 106586.	0.3	7
975	Multiple gene expression profiling suggests epithelial dysfunction in polypoid chronic rhinosinusitis. Acta Otorhinolaryngologica Italica, 2019, 39, 169-177.	0.7	6
976	Tropism of influenza B viruses in human respiratory tract explants and airway organoids. European Respiratory Journal, 2019, 54, 1900008.	3.1	34
977	Muco-Obstructive Lung Diseases. New England Journal of Medicine, 2019, 380, 1941-1953.	13.9	233
978	Escalating Mucus Inhibition to the Top of Our Priorities. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 275-276.	1.4	2
979	Phenotyping ciliary dynamics and coordination in response to CFTR-modulators in Cystic Fibrosis respiratory epithelial cells. Nature Communications, 2019, 10, 1763.	5.8	31
980	A Comprehensive Systematic Review of the Association Between Airway Mucins and Chronic Rhinosinusitis. American Journal of Rhinology and Allergy, 2019, 33, 433-448.	1.0	9
981	The role of autophagy in the overexpression of MUC5AC in patients with chronic rhinosinusitis. International Immunopharmacology, 2019, 71, 169-180.	1.7	13
982	Sputum from chronic obstructive pulmonary disease patients inhibits T cell migration in a microfluidic device. Annals of the New York Academy of Sciences, 2019, 1445, 52-61.	1.8	8
983	Mucus transport and distribution by steady expiration in an idealized airway geometry. Medical Engineering and Physics, 2019, 66, 26-39.	0.8	21
984	Squaramide-based synthetic chloride transporters activate TFEB but block autophagic flux. Cell Death and Disease, 2019, 10, 242.	2.7	15
985	Bronchial Epithelial Calcium Metabolism Impairment in Smokers and Chronic Obstructive Pulmonary Disease. Decreased ORAI3 Signaling. American Journal of Respiratory Cell and Molecular Biology, 2019, 61, 501-511.	1.4	17
986	The importance of obtaining a sputum sample and how it can aid diagnosis and treatment. British Journal of Nursing, 2019, 28, 295-298.	0.3	3
987	Hydrogen sulfide donor NaHS causes bronchitis with enhanced respiratory secretion in rats. Journal of Toxicological Sciences, 2019, 44, 107-112.	0.7	6
988	Pulmonary Physiology. , 2019, , 586-612.		1
989	Increase in secreted airway mucins and partial Muc5b STAT6/FoxA2 regulation during Pneumocystis primary infection. Scientific Reports, 2019, 9, 2078.	1.6	19

#	Article	IF	Citations
990	Analysis of the volume of fluid (VOF) method for the simulation of the mucus clearance process with CFD. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 547-566.	0.9	11
991	Molecular Characterization of Mucus Binding. Biomacromolecules, 2019, 20, 1505-1513.	2.6	29
992	DP ₂ antagonism reduces airway smooth muscle mass in asthma by decreasing eosinophilia and myofibroblast recruitment. Science Translational Medicine, 2019, 11, .	5.8	57
993	CD147 increases mucus secretion induced by cigarette smoke in COPD. BMC Pulmonary Medicine, 2019, 19, 29.	0.8	16
994	ILC2s mediate systemic innate protection by priming mucus production at distal mucosal sites. Journal of Experimental Medicine, 2019, 216, 2714-2723.	4.2	52
995	Niclosamide repurposed for the treatment of inflammatory airway disease. JCI Insight, 2019, 4, .	2.3	58
996	Airway Mucus Restricts Neisseria meningitidis Away from Nasopharyngeal Epithelial Cells and Protects the Mucosa from Inflammation. MSphere, 2019, 4, .	1.3	20
997	A rapidly prototyped lung-on-a-chip model using 3D-printed molds. Organs-on-a-Chip, 2019, 1, 100001.	1.8	58
998	Strategies for measuring airway mucus and mucins. Respiratory Research, 2019, 20, 261.	1.4	41
1000	Simulation Study on the Mass Transport Based on the Ciliated Dynamic System of the Respiratory Tract. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-9.	0.7	12
1001	Exercise Physiology Across the Lifespan in Cystic Fibrosis. Frontiers in Physiology, 2019, 10, 1382.	1.3	14
1002	Isolation and Characterization of Clinical RSV Isolates in Belgium during the Winters of 2016â€“2018. Viruses, 2019, 11, 1031.	1.5	8
1003	3D Bioprinting. , 2019, , .		5
1004	Modulation of protective reflex cough by acute immune driven inflammation of lower airways in anesthetized rabbits. PLoS ONE, 2019, 14, e0226442.	1.1	2
1005	Determination of rheology and surface tension of airway surface liquid: a review of clinical relevance and measurement techniques. Respiratory Research, 2019, 20, 274.	1.4	39
1006	Various Applications of 3D-Bioprinted Tissues/Organs Using Tissue-Specific Bioinks. , 2019, , 53-108.		1
1007	FOXA2 depletion leads to mucus hypersecretion in canine airways with respiratory diseases. Cellular Microbiology, 2019, 21, e12957.	1.1	10
1008	Pulmonary Neuroendocrine Cells Secrete Î³-Aminobutyric Acid to Induce Goblet Cell Hyperplasia in Primate Models. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 687-694.	1.4	47

#	Article	IF	Citations
1009	TMEM16A is indispensable for basal mucus secretion in airways and intestine. FASEB Journal, 2019, 33, 4502-4512.	0.2	76
1010	Existing and emerging biomarkers for disease progression in idiopathic pulmonary fibrosis. Expert Review of Respiratory Medicine, 2019, 13, 39-51.	1.0	25
1011	Searching for physiologically relevant in vitro dissolution techniques for orally inhaled drugs. International Journal of Pharmaceutics, 2019, 556, 45-56.	2.6	40
1012	The Role of the Microbiome in Asthma: The Gutâ€“Lung Axis. International Journal of Molecular Sciences, 2019, 20, 123.	1.8	162
1013	Disease-related responses induced by cadmium in an in vitro human airway tissue model. Toxicology Letters, 2019, 303, 16-27.	0.4	29
1014	The leaky lung test: a pilot study using inhaled mannitol to measure airway barrier function in asthma. Journal of Asthma, 2019, 56, 1257-1265.	0.9	7
1015	The characteristics and clinical significance of mucin levels in bronchoalveolar lavage fluid of patients with interstitial lung disease. Journal of Investigative Medicine, 2019, 67, 761-766.	0.7	4
1016	Clinical metabolomics of exhaled breath condensate in chronic respiratory diseases. Advances in Clinical Chemistry, 2019, 88, 121-149.	1.8	46
1017	Airway microenvironment alterations and pathogen growth in cystic fibrosis. Pediatric Pulmonology, 2019, 54, 497-506.	1.0	12
1018	An Artificial Cough Maneuver to Remove Secretions From Below the Endotracheal Tube Cuff. Respiratory Care, 2019, 64, 372-383.	0.8	3
1019	In vivo detection of endotracheal tube biofilms in intubated critical care patients using catheterâ€based optical coherence tomography. Journal of Biophotonics, 2019, 12, e201800307.	1.1	8
1020	TMEM16A in Cystic Fibrosis: Activating or Inhibiting?. Frontiers in Pharmacology, 2019, 10, 3.	1.6	59
1021	Localization of Secretory Mucins MUC5AC and MUC5B in Normal/Healthy Human Airways. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 715-727.	2.5	194
1022	Inflammation-induced upregulation of P2X₄expression augments mucin secretion in airway epithelia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L58-L70.	1.3	21
1023	Putting Mucins on the Map. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 681-682.	2.5	2
1024	Oxidative stress, autophagy and airway ion transport. American Journal of Physiology - Cell Physiology, 2019, 316, C16-C32.	2.1	18
1025	The effect of erdosteine on airway defence mechanisms and inflammatory cytokines in the settings of allergic inflammation. Pulmonary Pharmacology and Therapeutics, 2019, 54, 60-67.	1.1	8
1026	Dawn of a New Era in the Diagnosis and Treatment of Airway Mucus Dysfunction. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 133-134.	2.5	11

#	Article	IF	Citations
1027	Tight junction, mucin, and inflammasomeâ€•related molecules are differentially expressed in eosinophilic, mixed, and neutrophilic experimental asthma in mice. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 294-307.	2.7	109
1028	The role of the innate immune system on pulmonary infections. Biological Chemistry, 2019, 400, 443-456.	1.2	36
1029	Visualizing immune responses of the airway mucosa. Cellular Immunology, 2020, 350, 103865.	1.4	4
1030	The impact of lung microbiota dysbiosis on inflammation. Immunology, 2020, 159, 156-166.	2.0	45
1031	Can PBDEs affect the pathophysiologic complex of epithelium in lung diseases?. Chemosphere, 2020, 241, 125087.	4.2	22
1032	Inhaled rapamycin solid lipid nano particles for the treatment of Lymphangioleiomyomatosis. European Journal of Pharmaceutical Sciences, 2020, 142, 105098.	1.9	18
1033	Methods in Lung Microbiome Research. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 283-299.	1.4	94
1034	Diseases of the respiratory system. , 2020, , 391-442.		0
1035	MiRâ€31â€5p: A shared regulator of chronic mucus hypersecretion in asthma and chronic obstructive pulmonary disease. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 703-706.	2.7	11
1036	Modeling the bioaccessibility of inhaled semivolatile organic compounds in the human respiratory tract. International Journal of Hygiene and Environmental Health, 2020, 224, 113436.	2.1	13
1037	Acoustic radiation force optical coherence elastography for evaluating mechanical properties of soft condensed matters and its biological applications. Journal of Biophotonics, 2020, 13, e201960134.	1.1	11
1038	Conjunctival goblet cells: Ocular surface functions, disorders that affect them, and the potential for their regeneration. Ocular Surface, 2020, 18, 19-26.	2.2	38
1039	Key role of the epithelium in chronic upper airways diseases. Clinical and Experimental Allergy, 2020, 50, 135-146.	1.4	27
1040	Ultrasmall TPGSâ€“PLGA Hybrid Nanoparticles for Site-Specific Delivery of Antibiotics into Pseudomonas aeruginosa Biofilms in Lungs. ACS Applied Materials & Interfaces, 2020, 12, 380-389.	4.0	57
1041	Long-Term Sequelae of Smoking and Cessation in Spontaneously Hypertensive Rats. Toxicologic Pathology, 2020, 48, 422-436.	0.9	5
1042	Efficacy and Safety of the CFTR PotentiatorÂlcenticaftor (QBW251) in COPD: Results from a Phase 2 Randomized Trial . International Journal of COPD, 2020, Volume 15, 2399-2409.	0.9	32
1043	Material properties of interfacial films of mucoid and nonmucoid Pseudomonas aeruginosa isolates. Acta Biomaterialia, 2020, 118, 129-140.	4.1	3
1044	A comprehensive review about SARS-CoV-2. Future Virology, 2020, 15, 625-648.	0.9	61

#	Article	IF	Citations
1045	Mucin Biopolymers and Their Barrier Function at Airway Surfaces. Langmuir, 2020, 36, 12773-12783.	1.6	45
1046	The inorganic polymer, polyphosphate, blocks binding of SARS-CoV-2 spike protein to ACE2 receptor at physiological concentrations. Biochemical Pharmacology, 2020, 182, 114215.	2.0	51
1047	Investigating the Role of Mucin as Frontline Defense of Mucosal Surfaces against Mycobacterium avium Subsp. hominissuis. Journal of Pathogens, 2020, 2020, 1-7.	0.9	6
1048	Objective measurement of acoustic intensity of coughing for clearance of penetration and aspiration on video-fluoroscopy. International Journal of Speech-Language Pathology, 2020, 23, 1-8.	0.6	3
1049	A novel macrolide, solithromycin suppresses mucin overexpression induced by Pseudomonas aeruginosa LPS in airway epithelial cells. Journal of Infection and Chemotherapy, 2020, 26, 1008-1010.	0.8	3
1050	Single-cell analysis reveals bronchoalveolar epithelial dysfunction in COVID-19 patients. Protein and Cell, 2020, 11, 680-687.	4.8	75
1051	Anti-inflammatory effects of Samsoeum, a Korean medicine for health insurance, on chronic bronchitis caused by lipopolysaccharide in rats. Food and Function, 2020, 11, 6866-6874.	2.1	2
1052	The effect of Notch signal pathway on PM2.5-induced Muc5ac in Beas-2B cells. Ecotoxicology and Environmental Safety, 2020, 203, 110956.	2.9	12
1053	Severe bronchiectasis and inflammatory lung disease in a patient with anorexia nervosa and severe and enduring malnutrition - a case report. Journal of Eating Disorders, 2020, 8, 72.	1.3	3
1054	Enhancing nanoparticle penetration through airway mucus to improve drug delivery efficacy in the lung. Expert Opinion on Drug Delivery, 2021, 18, 595-606.	2.4	37
1055	Chemocentric Informatics Analysis: Dexamethasone Versus Combination Therapy for COVID-19. ACS Omega, 2020, 5, 29765-29779.	1.6	11
1056	Airborne Transmission of COVID-19: Aerosol Dispersion, Lung Deposition, and Virus-Receptor Interactions. ACS Nano, 2020, 14, 16502-16524.	7.3	109
1057	The Airway Epitheliumâ€"A Central Player in Asthma Pathogenesis. International Journal of Molecular Sciences, 2020, 21, 8907.	1.8	47
1058	Toxicological responses of BEASâ€2B cells to repeated exposures to benzene, toluene, m â€xylene, and mesitylene using airâ€"liquid interface method. Journal of Applied Toxicology, 2020, 41, 1262-1274.	1.4	3
1059	When the Cough Does Not Improve: A Review on Protracted Bacterial Bronchitis in Children. Frontiers in Pediatrics, 2020, 8, 433.	0.9	18
1060	Acidic Submucosal Gland pH and Elevated Protein Concentration Produce Abnormal Cystic Fibrosis Mucus. Developmental Cell, 2020, 54, 488-500.e5.	3.1	24
1061	Airway mechanical compression: its role in asthma pathogenesis and progression. European Respiratory Review, 2020, 29, 190123.	3.0	20
1062	Paracellular Pathway-Mediated Mycoplasma hyopneumoniae Migration across Porcine Airway Epithelial Barrier under Air-Liquid Interface Conditions. Infection and Immunity, 2020, 88, .	1.0	10

#	Article	IF	Citations
1063	First contact: the role of respiratory cilia in host-pathogen interactions in the airways. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L603-L619.	1.3	103
1064	Significant Unresolved Questions and Opportunities for Bioengineering in Understanding and Treating COVID-19 Disease Progression. Cellular and Molecular Bioengineering, 2020, 13, 259-284.	1.0	5
1065	Effects of the Lower Airway Secretions on Airway Opening Pressures and Suction Pressures in Critically Ill COVID-19 Patients: A Computational Simulation. Annals of Biomedical Engineering, 2020, 48, 3003-3013.	1.3	18
1066	Mucinâ€Inspired, High Molecular Weight Virus Binding Inhibitors Show Biphasic Binding Behavior to Influenza A Viruses. Small, 2020, 16, e2004635.	5.2	15
1067	Evaluation of the In Vitro Stability of Stimuli-Sensitive Fatty Acid-Based Microparticles for the Treatment of Lung Cancer. Langmuir, 2020, 36, 11138-11146.	1.6	4
1068	Properties of rapamycin solid lipid nanoparticles for lymphatic access through the lungs & part I: the effect of size. Nanomedicine, 2020, 15, 1927-1945.	1.7	6
1069	Novel Anti-Inflammatory Approaches for Cystic Fibrosis Lung Disease: Identification of Molecular Targets and Design of Innovative Therapies. Frontiers in Pharmacology, 2020, 11, 1096.	1.6	30
1070	Microbiota dysbiosis in lung cancer: evidence of association and potential mechanisms. Translational Lung Cancer Research, 2020, 9, 1554-1568.	1.3	33
1071	Development of a miniaturized 96-Transwell airâ€“liquid interface human small airway epithelial model. Scientific Reports, 2020, 10, 13022.	1.6	35
1072	In vitro and ex vivo expression of serum amyloid A3 in mouse lung epithelia. Experimental Lung Research, 2020, 46, 352-361.	0.5	2
1073	Surfactant phospholipids act as molecular switches for premature induction of quorum sensing-dependent virulence in Pseudomonas aeruginosa. Virulence, 2020, 11, 1090-1107.	1.8	4
1074	Join or Leave the Club: Jagged1 and Notch2 Dictate the Fate of Airway Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 4-6.	1.4	6
1075	Respiratory syncytial virus infectionâ€induced mucus secretion by downâ€regulation of miRâ€34b/câ€5p expression in airway epithelial cells. Journal of Cellular and Molecular Medicine, 2020, 24, 12694-12705.	1.6	21
1077	Cigarillos Compromise the Mucosal Barrier and Protein Expression in Airway Epithelia. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 767-779.	1.4	4
1078	The Innate Lymphoid System Is a Critical Player in the Manifestation of Mucoinflammatory Airway Disease in Mice. Journal of Immunology, 2020, 205, 1695-1708.	0.4	13
1079	Prolonged Weaning: S2k Guideline Published by the German Respiratory Society. Respiration, 2020, 99, 982-1084.	1.2	24
1080	Current developments and future directions in respiratory physiotherapy. European Respiratory Review, 2020, 29, 200264.	3.0	14
1081	Humidified Warmed CO2 Treatment Therapy Strategies Can Save Lives With Mitigation and Suppression of SARS-CoV-2 Infection: An Evidence Review. Frontiers in Medicine, 2020, 7, 594295.	1.2	20

#	Article	IF	Citations
1082	The Role of Connexin 43 in Lung Disease. Life, 2020, 10, 363.	1.1	8
1083	Morphogenetic (Mucin Expression) as Well as Potential Anti-Corona Viral Activity of the Marine Secondary Metabolite Polyphosphate on A549 Cells. Marine Drugs, 2020, 18, 639.	2.2	25
1084	Hydrothermal facilities: essential services in the age of pandemics. International Journal of Spa and Wellness, 2020, 3, 60-65.	0.9	2
1085	The use of mechanical insufflation-exsufflation in invasively ventilated critically ill adults: a scoping review protocol. Systematic Reviews, 2020, 9, 287.	2.5	7
1086	Potential Mechanisms for Traditional Chinese Medicine in Treating Airway Mucus Hypersecretion Associated With Coronavirus Disease 2019. Frontiers in Molecular Biosciences, 2020, 7, 577285.	1.6	10
1087	The microbiome: Composition and locations. Progress in Molecular Biology and Translational Science, 2020, 176, 1-42.	0.9	23
1088	Amelioration of Cigarette Smoke-Induced Mucus Hypersecretion and Viscosity by Dendrobium officinale Polysaccharides In Vitro and In Vivo. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-10.	1.9	10
1089	Cigarette Smoke Exposure and Inflammatory Signaling Increase the Expression of the SARS-CoV-2 Receptor ACE2 in the Respiratory Tract. Developmental Cell, 2020, 53, 514-529.e3.	3.1	346
1090	Tiotropium and Fluticasone Inhibit Rhinovirus-Induced Mucin Production via Multiple Mechanisms in Differentiated Airway Epithelial Cells. Frontiers in Cellular and Infection Microbiology, 2020, 10, 278.	1.8	13
1091	Nicotine-Free e-Cigarette Vapor Exposure Stimulates IL6 and Mucin Production in Human Primary Small Airway Epithelial Cells . Journal of Inflammation Research, 2020, Volume 13, 175-185.	1.6	30
1092	Evaluation of nebulized N-acetyl cysteine in outcome of esophageal atresia with tracheoesophegeal fistula. Journal of Pediatric Surgery, 2020, 55, 2635-2639.	0.8	2
1093	Entrainment of mammalian motile cilia in the brain with hydrodynamic forces. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8315-8325.	3.3	35
1094	MUC1 contributes to goblet cell metaplasia and MUC5AC expression in response to cigarette smoke in vivo. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 319, L82-L90.	1.3	18
1095	More Than Just a Barrier: The Immune Functions of the Airway Epithelium in Asthma Pathogenesis. Frontiers in Immunology, 2020, 11, 761.	2.2	110
1096	The Maxillary Sinus: What the General Dental Team Need to Know Part 1: Paranasal Sinus Physiology, Infective Disease and Diagnosis of Pain. Dental Update, 2020, 47, 314-325.	0.1	1
1097	Influence of silica particles on mucociliary structure and MUC5B expression in airways of C57BL/6 mice. Experimental Lung Research, 2020, 46, 217-225.	0.5	10
1098	Exposure to Air Pollution Exacerbates Inflammation in Rats with Preexisting COPD. Mediators of Inflammation, 2020, 2020, 1-12.	1.4	25
1099	Compound Drop Shape Analysis with the Neumann Number. Langmuir, 2020, 36, 7619-7626.	1.6	3

#	Article	IF	Citations
1100	Molecular and cellular cues governing nanomaterialâ€“mucosae interactions: from nanomedicine to nanotoxicology. Chemical Society Reviews, 2020, 49, 5058-5100.	18.7	39
1101	Rational use of mucoactive medications to treat pediatric airway disease. Paediatric Respiratory Reviews, 2020, 36, 8-14.	1.2	7
1102	Environmental factors in epithelial barrier dysfunction. Journal of Allergy and Clinical Immunology, 2020, 145, 1517-1528.	1.5	162
1103	Ammonia Exposure Induced Cilia Dysfunction of Nasal Mucosa in the Piglets. BioMed Research International, 2020, 2020, 1-11.	0.9	5
1104	Scoping review of chronic rhinosinusitis proteomics. Rhinology, 2020, 58, 0-0.	0.7	8
1105	Multi-scale spatial heterogeneity enhances particle clearance in airway ciliary arrays. Nature Physics, 2020, 16, 958-964.	6.5	52
1106	Bronchial Epithelial Cells on the Front Line to Fight Lung Infection-Causing Aspergillus fumigatus. Frontiers in Immunology, 2020, 11, 1041.	2.2	19
1107	CFTR targeted therapies: recent advances in cystic fibrosis and possibilities in other diseases of the airways. European Respiratory Review, 2020, 29, 190068.	3.0	30
1108	New method for rapid and dynamic quantification of elastase activity on sputum neutrophils from patients with cystic fibrosis using flow cytometry. European Respiratory Journal, 2020, 55, 1902355.	3.1	4
1109	In situ-Like Aerosol Inhalation Exposure for Cytotoxicity Assessment Using Airway-on-Chips Platforms. Frontiers in Bioengineering and Biotechnology, 2020, 8, 91.	2.0	34
1110	Respiratory microbiome and epithelial interactions shape immunity in the lungs. Immunology, 2020, 160, 171-182.	2.0	103
1111	A hypothesis on the role of the human immune system in covid-19. Medical Hypotheses, 2020, 143, 110066.	0.8	10
1112	Correlation and clinical relevance of animal models for inhaled pharmaceuticals and biopharmaceuticals. Advanced Drug Delivery Reviews, 2020, 167, 148-169.	6.6	19
1113	Excess free fructose, apple juice, high fructose corn syrup and childhood asthma risk â€“ the National Childrenâ€™s Study. Nutrition Journal, 2020, 19, 60.	1.5	22
1114	Molecular biology of BPIFB1 and its advances in disease. Annals of Translational Medicine, 2020, 8, 651-651.	0.7	19
1115	Dry powder aerosol containing muco-inert particles for excipient enhanced growth pulmonary drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102262.	1.7	11
1116	Exendin-4 restores airway mucus homeostasis through the GLP1R-PKA-PPARÎ³-FOXA2-phosphatase signaling. Mucosal Immunology, 2020, 13, 637-651.	2.7	20
1117	Numerical Analysis of Airway Mucus Clearance Effectiveness Using Assisted Coughing Techniques. Scientific Reports, 2020, 10, 2030.	1.6	26

#	Article	IF	Citations
1118	Respiratory Barrier as a Safeguard and Regulator of Defense Against Influenza A Virus and Streptococcus pneumoniae. Frontiers in Immunology, 2020, 11, 3.	2.2	51
1119	Viral strategies predisposing to respiratory bacterial superinfections. Pediatric Pulmonology, 2020, 55, 1061-1073.	1.0	30
1120	Changes in airway diameter and mucus plugs in patients with asthma exacerbation. PLoS ONE, 2020, 15, e0229238.	1.1	16
1121	Glycine Attenuates Lipopolysaccharide-Induced Acute Lung Injury by Regulating NLRP3 Inflammasome and NRF2 Signaling. Nutrients, 2020, 12, 611.	1.7	20
1122	Vagal sensory neurons drive mucous cell metaplasia. Journal of Allergy and Clinical Immunology, 2020, 145, 1693-1696.e4.	1.5	17
1123	Airway epithelial-targeted nanoparticles for asthma therapy. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L500-L509.	1.3	23
1124	A Review of Respiratory Anatomical Development, Air Flow Characterization and Particle Deposition. International Journal of Environmental Research and Public Health, 2020, 17, 380.	1.2	68
1125	Regenerative Metaplastic Clones in COPD Lung Drive Inflammation and Fibrosis. Cell, 2020, 181, 848-864.e18.	13.5	94
1126	Copy Number Variation in MUC5AC and Susceptibility to Allergic Rhinitis: A Low-Coverage Whole-Genome Sequencing and Validation Cohort Study. Genetic Testing and Molecular Biomarkers, 2020, 24, 173-180.	0.3	3
1127	A mathematical model describing the localization and spread of influenza A virus infection within the human respiratory tract. PLoS Computational Biology, 2020, 16, e1007705.	1.5	39
1128	The Relevance of Targeting Treatment to Small Airways in Asthma and COPD. Respiratory Care, 2020, 65, 1392-1412.	0.8	27
1129	EGFR activation-induced decreases in claudin1 promote MUC5AC expression and exacerbate asthma in mice. Mucosal Immunology, 2021, 14, 125-134.	2.7	33
1130	Pulmonary siRNA delivery for lung disease: Review of recent progress and challenges. Journal of Controlled Release, 2021, 330, 977-991.	4.8	35
1131	Compartment-specific transcriptomics of ozone-exposed murine lungs reveals sex- and cell type-associated perturbations relevant to mucoinflammatory lung diseases. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L99-L125.	1.3	19
1132	Targeted Nanotherapeutics for Respiratory Diseases: Cancer, Fibrosis, and Coronavirus. Advanced Therapeutics, 2021, 4, 2000203.	1.6	16
1133	Proinflammatory effects of environmental cadmium boost resistance to opportunistic pathogen Aspergillus fumigatus: Implications for sustained low-level pulmonary inflammation?. Toxicology, 2021, 447, 152634.	2.0	2
1134	Engineering precision nanoparticles for drug delivery. Nature Reviews Drug Discovery, 2021, 20, 101-124.	21.5	3,154
1135	Assessment of chronic bronchitis and risk factors in young adults: results from BAMSE. European Respiratory Journal, 2021, 57, 2002120.	3.1	35

#	Article	IF	Citations
1136	Invited review: human air-liquid-interface organotypic airway tissue models derived from primary tracheobronchial epithelial cellsâ€"overview and perspectives. In Vitro Cellular and Developmental Biology - Animal, 2021, 57, 104-132.	0.7	71
1137	Adiponectin is Associated with Neutrophils to Lymphocyte Ratio in Patients with Chronic Obstructive Pulmonary Disease. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2021, 18, 70-75.	0.7	10
1138	Porphyromonas gingivalis gingipains potentially affect MUC5AC gene expression and protein levels in respiratory epithelial cells. FEBS Open Bio, 2021, 11, 446-455.	1.0	10
1139	Cadmium and immunologically-mediated homeostasis of anatomical barrier tissues. Toxicology Letters, 2021, 337, 38-45.	0.4	6
1140	Tutorial: Understanding the transport, deposition, and translocation of particles in human respiratory systems using Computational Fluid-Particle Dynamics and Physiologically Based Toxicokinetic models. Journal of Aerosol Science, 2021, 151, 105672.	1.8	25
1141	Neutrophil Extracellular Traps Increase Airway Mucus Viscoelasticity and Slow Mucus Particle Transit. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 69-78.	1.4	23
1142	Pulmonary Mycosis Drives Forkhead Box Protein A2 Degradation and Mucus Hypersecretion through Activation of the Spleen Tyrosine Kinaseâ€"Epidermal Growth Factor Receptorâ€"AKT/Extracellular Signal-Regulated Kinase 1/2 Signaling. American Journal of Pathology, 2021, 191, 108-130.	1.9	3
1143	A long noncoding RNA antisense to ICAM-1 is involved in allergic asthma associated hyperreactive response of airway epithelial cells. Mucosal Immunology, 2021, 14, 630-639.	2.7	16
1144	Ursolic Acid Alleviates Mucus Secretion and Tissue Remodeling in Rat Model of Allergic Rhinitis After PM2.5 Exposure. American Journal of Rhinology and Allergy, 2021, 35, 272-279.	1.0	16
1145	Mucociliary Clearance of Different Respiratory Conditions: A Clinical Study. International Archives of Otorhinolaryngology, 2021, 25, e35-e40.	0.3	1
1146	Pepsin exposure in a nonâ€acidic environment upregulates mucin 5AC (MUC5AC) expression via matrix metalloproteinase 9 (MMP9)/nuclear factor ÎºB (NFâ€ÎºB) in human airway epithelial cells. International Forum of Allergy and Rhinology, 2021, 11, 894-901.	1.5	9
1147	A survey of the physiotherapy treatment methods for infants hospitalised with acute airway infections in Sweden. European Journal of Physiotherapy, 2021, 23, 149-156.	0.7	3
1148	Short-term whole body cigarette smoke exposure induces regional differences in cellular response in the mouse larynx. Toxicology Reports, 2021, 8, 920-937.	1.6	4
1149	Exposure to diesel exhaust particles results in altered lung microbial profiles, associated with increased reactive oxygen species/reactive nitrogen species and inflammation, in C57Bl/6 wildtype mice on a high-fat diet. Particle and Fibre Toxicology, 2021, 18, 3.	2.8	29
1150	Regulation of immune responses by the airway epithelial cell landscape. Nature Reviews Immunology, 2021, 21, 347-362.	10.6	209
1152	Airway Obstruction by a Mucous Plug in a Ventilated Child A Case Review. Journal of Clinical and Medical Images and Short Reports, 2021, 05, .	0.0	0
1153	Disulfide disruption reverses mucus dysfunction in allergic airway disease. Nature Communications, 2021, 12, 249.	5.8	36
1154	Application of iPS cell-derived airway epithelial cells for cell-based therapy and disease models. , 2021, , 121-132.		0

#	Article	IF	Citations
1155	Clinical Concepts and Surgical Pathology of Pediatric Disorders of the Cilia in the Sinonasal and Respiratory Tract. , 2021, , 717-739.		0
1156	Furan warheads for covalent trapping of weak proteinâ€“protein interactions: cross-linking of thymosin Î²4 to actin. Chemical Communications, 2021, 57, 6054-6057.	2.2	5
1157	A nano perspective behind the COVID-19 pandemic. Nanoscale Horizons, 2021, 6, 842-855.	4.1	1
1158	Proteome Profiling of Recombinant DNase Therapy in Reducing NETs and Aiding Recovery in COVID-19 Patients. Molecular and Cellular Proteomics, 2021, 20, 100113.	2.5	51
1159	SARS-CoV-2 infection and smoking: What is the association? A brief review. Computational and Structural Biotechnology Journal, 2021, 19, 1654-1660.	1.9	10
1160	The safety and efficacy of CKD-497 in patients with acute upper respiratory tract infection and bronchitis symptoms: a multicenter, double-blind, double-dummy, randomized, controlled, phase II clinical trial. Journal of Thoracic Disease, 2021, 13, 1-9.	0.6	1
1161	Amino acidâ€“derived defense metabolites from plants: AÂpotential source to facilitate novel antimicrobial development. Journal of Biological Chemistry, 2021, 296, 100438.	1.6	31
1162	Pharmacological Management of Asthma and COPD. , 2021, , .		0
1163	Tumor necrosis factor-Î± promotes airway mucus hypersecretion by repressing miR-146a-5p and miR-134-5p levels in human airway epithelial cells. Translational Cancer Research, 2021, 10, 0-0.	0.4	2
1164	Non-absorptive clearance from airways. , 2021, , 197-223.		3
1165	Drug Delivery in Respiratory Diseases: Current Opportunities, Molecular and Cellular Mechanism, and Future Challenges. , 2021, , 847-902.		0
1166	The therapeutic potential of inorganic polyphosphate: A versatile physiological polymer to control coronavirus disease (COVID-19). Theranostics, 2021, 11, 6193-6213.	4.6	16
1167	A review on the effect of COVID-19 in type 2 asthma and its management. International Immunopharmacology, 2021, 91, 107309.	1.7	17
1168	COVID-19 and Dentistry in 72 Questions: An Overview of the Literature. Journal of Clinical Medicine, 2021, 10, 779.	1.0	21
1169	Small Airways Disease, Biomarkers and COPD: Where are We?. International Journal of COPD, 2021, Volume 16, 351-365.	0.9	14
1170	The role of goblet cells in viral pathogenesis. FEBS Journal, 2021, 288, 7060-7072.	2.2	23
1171	Overexpression of Substance P in pig airways increases MUC5AC through an NFâ€kÎ² pathway. Physiological Reports, 2021, 9, e14749.	0.7	6
1172	Toxicity of Ortho-phthalaldehyde Aerosols in a Human In Vitro Airway Tissue Model. Chemical Research in Toxicology, 2021, 34, 754-766.	1.7	5

#	Article	IF	Citations
1173	Airway Clearance Techniques: The Right Choice for the Right Patient. Frontiers in Medicine, 2021, 8, 544826.	1.2	35
1174	Computational analysis of obstructive disease and cough intensity effects on the mucus transport and clearance in an idealized upper airway model using the volume of fluid method. Physics of Fluids, 2021, 33, .	1.6	16
1175	Understanding the key issues in the treatment of uncontrolled persistent asthma with type 2 inflammation. European Respiratory Journal, 2021, 58, 2003393.	3.1	69
1176	Nano-fats for bugs: the benefits of lipid nanoparticles for antimicrobial therapy. Drug Delivery and Translational Research, 2021, 11, 1598-1624.	3.0	27
1177	Single-cell longitudinal analysis of SARS-CoV-2 infection in human airway epithelium identifies target cells, alterations in gene expression, and cell state changes. PLoS Biology, 2021, 19, e3001143.	2.6	180
1178	Nanoparticle-mediated pulmonary drug delivery: state of the art towards efficient treatment of recalcitrant respiratory tract bacterial infections. Drug Delivery and Translational Research, 2021, 11, 1634-1654.	3.0	33
1179	Long-term evolution of the epithelial cell secretome in preclinical 3D models of the human bronchial epithelium. Scientific Reports, 2021, 11, 6621.	1.6	10
1180	Ibudilast Suppresses MUC5AC Mucus Production through Inhibition of ERK1/2 Phosphorylation. Biological and Pharmaceutical Bulletin, 2021, 44, 404-409.	0.6	1
1181	Essentials in saline pharmacology for nasal or respiratory hygiene in times of COVID-19. European Journal of Clinical Pharmacology, 2021, 77, 1275-1293.	0.8	24
1182	Epithelial miR-141 regulates IL-13â€“induced airway mucus production. JCI Insight, 2021, 6, .	2.3	29
1183	Did we forget the diffuse chemosensory system when studying COVID-19?. Immunology Letters, 2021, 231, 26-27.	1.1	1
1184	Acetylcholine production by group 2 innate lymphoid cells promotes mucosal immunity to helminths. Science Immunology, 2021, 6, .	5.6	45
1185	Airway Surface Liquid pH Regulation in Airway Epithelium Current Understandings and Gaps in Knowledge. International Journal of Molecular Sciences, 2021, 22, 3384.	1.8	48
1186	Bisacodyl Suppresses TGF-Î±-Induced MUC5AC Production in NCI-H292 Cells. Biological and Pharmaceutical Bulletin, 2021, 44, 590-592.	0.6	0
1187	Acute and durable effect of inhaled hypertonic saline on mucociliary clearance in adult asthma. ERJ Open Research, 2021, 7, 00062-2021.	1.1	5
1188	Signaling Control of Mucociliary Epithelia: Stem Cells, Cell Fates, and the Plasticity of Cell Identity in Development and Disease. Cells Tissues Organs, 2022, 211, 736-753.	1.3	13
1189	Pediatric Asthma Attack and Home Paint Exposure. International Journal of Environmental Research and Public Health, 2021, 18, 4118.	1.2	3
1190	Respiratory mucus as a virus-host range determinant. Trends in Microbiology, 2021, 29, 983-992.	3.5	25

#	Article	IF	Citations
1191	A guideline to limit indoor airborne transmission of COVID-19. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	313
1192	Selective Vagus Nerve Stimulation as a Therapeutic Approach for the Treatment of ARDS: A Rationale for Neuro-Immunomodulation in COVID-19 Disease. Frontiers in Neuroscience, 2021, 15, 667036.	1.4	23
1193	The lower respiratory airway wall in children in health and disease. ERJ Open Research, 2021, 7, 00874-2020.	1.1	3
1194	Cigarette Smokeâ€“induced Effects on Airway Basal Cells: Taking It Up a NOTCH. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 397-398.	1.4	0
1195	Cat Respiratory Nematodes: Current Knowledge, Novel Data and Warranted Studies on Clinical Features, Treatment and Control. Pathogens, 2021, 10, 454.	1.2	30
1196	Induction of ciliary orientation by matrix patterning and characterization of mucociliary transport. Biophysical Journal, 2021, 120, 1387-1395.	0.2	15
1197	Modeling Airway Dysfunction in Asthma Using Synthetic Mucus Biomaterials. ACS Biomaterials Science and Engineering, 2021, 7, 2723-2733.	2.6	24
1198	Effect of adjunctive sodium hyaluronate versus surfactant nasal irrigation on mucociliary clearance in allergic rhinitis: a single-blind, randomised, controlled study. Journal of Laryngology and Otology, 2021, 135, 529-532.	0.4	3
1199	National early warning score on admission as risk factor for invasive mechanical ventilation in COVID-19 patients. Medicine (United States), 2021, 100, e25917.	0.4	1
1200	Influences of puff protocols and upper airway anatomy on cannabis pharmacokinetics: A CFPD-PK study. Computers in Biology and Medicine, 2021, 132, 104333.	3.9	8
1201	Discovery of Icenticaftor (QBW251), a Cystic Fibrosis Transmembrane Conductance Regulator Potentiator with Clinical Efficacy in Cystic Fibrosis and Chronic Obstructive Pulmonary Disease. Journal of Medicinal Chemistry, 2021, 64, 7241-7260.	2.9	19
1202	Proteases, Mucus, and Mucosal Immunity in Chronic Lung Disease. International Journal of Molecular Sciences, 2021, 22, 5018.	1.8	15
1203	Trypsin-Like Proteases and Their Role in Muco-Obstructive Lung Diseases. International Journal of Molecular Sciences, 2021, 22, 5817.	1.8	11
1204	Wrapping and Blocking of Influenza A Viruses by Sialylated 2D Nanoplatforms. Advanced Materials Interfaces, 2021, 8, 2100285.	1.9	17
1205	Correlation of Luminal Mucus Score in Large Airways with Lung Function and Quality of Life in Severe Acute Exacerbation of COPD: A Cross-Sectional Study. International Journal of COPD, 2021, Volume 16, 1449-1459.	0.9	7
1206	Inducible expression quantitative trait locus analysis of the MUC5AC gene in asthma in urban populations of children. Journal of Allergy and Clinical Immunology, 2021, 148, 1505-1514.	1.5	14
1207	The Japanese respiratory society guidelines for the management of cough and sputum (digest edition). Respiratory Investigation, 2021, 59, 270-290.	0.9	30
1209	In situ measurements of human cough aerosol hygroscopicity. Journal of the Royal Society Interface, 2021, 18, 20210209.	1.5	18

#	Article	IF	Citations
1210	Role for Mucin-5AC in Upper and Lower Airway Pathogenesis in Mice. Toxicologic Pathology, 2021, 49, 1077-1099.	0.9	10
1211	The Epithelial-Immune Crosstalk in Pulmonary Fibrosis. Frontiers in Immunology, 2021, 12, 631235.	2.2	22
1212	Airway-On-A-Chip: Designs and Applications for Lung Repair and Disease. Cells, 2021, 10, 1602.	1.8	25
1213	The barrier functions of crude cervical mucus plugs against HIV-1 infection in the context of cell-free and cell-to-cell transmission. Aids, 2021, 35, 2105-2117.	1.0	4
1214	Fungal Lung: The Risk of Fungal Exposure to Nail Care Professionals. Journal of the American Podiatric Medical Association, 2021, , .	0.2	1
1215	Epithelial Barrier Dysfunction in Chronic Respiratory Diseases. Frontiers in Physiology, 2021, 12, 691227.	1.3	64
1216	Biological effect of PM10 on airway epithelium-focus on obstructive lung diseases. Clinical Immunology, 2021, 227, 108754.	1.4	17
1217	Engineered modular microphysiological models of the human airway clearance phenomena. Biotechnology and Bioengineering, 2021, 118, 3898-3913.	1.7	5
1218	Comprehensive Analysis of Heat and Water Exchanges in the Human Lungs. Frontiers in Physiology, 2021, 12, 649497.	1.3	9
1219	Purified mucins in drug delivery research. Advanced Drug Delivery Reviews, 2021, 178, 113845.	6.6	15
1220	VEGF receptor 2 (KDR) protects airways from mucus metaplasia through a Sox9-dependent pathway. Developmental Cell, 2021, 56, 1646-1660.e5.	3.1	13
1221	Mucus, Microbiomes and Pulmonary Disease. Biomedicines, 2021, 9, 675.	1.4	23
1222	Oral inhalation for delivery of proteins and peptides to the lungs. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 163, 198-211.	2.0	55
1223	Bioinspired Supramolecular Slippery Organogels for Controlling Pathogen Spread by Respiratory Droplets. Advanced Functional Materials, 2021, 31, 2102888.	7.8	19
1224	Autophagy of mucin granules contributes to resolution of airway mucous metaplasia. Scientific Reports, 2021, 11, 13037.	1.6	6
1225	Effects of Rock Dust Particles on Airway Mucus Viscosity. Biotechnology and Bioprocess Engineering, 2021, 26, 427-434.	1.4	2
1226	Glutamine Supplementation Attenuates the Inflammation Caused by LPS-Induced Acute Lung Injury in Mice by Regulating the TLR4/MAPK Signaling Pathway. Inflammation, 2021, 44, 2180-2192.	1.7	15
1227	Towards homogenization of liquid plug distribution in reconstructed 3D upper airways of the preterm infant. Journal of Biomechanics, 2021, 122, 110458.	0.9	2

#	Article	IF	Citations
1228	A fungus-derived purpactin A as an inhibitor of TMEM16A chloride channels and mucin secretion in airway epithelial cells. Biomedicine and Pharmacotherapy, 2021, 139, 111583.	2.5	7
1229	Potential of helper-dependent Adenoviral vectors in CRISPR-cas9-mediated lung gene therapy. Cell and Bioscience, 2021, 11, 145.	2.1	17
1230	Targeting TL1A/DR3 Signaling Offers a Therapeutic Advantage to Neutralizing IL13/IL4RÎ± in Muco-Secretory Fibrotic Disorders. Frontiers in Immunology, 2021, 12, 692127.	2.2	5
1231	Airway Clearance and Mucoactive Therapies. Seminars in Respiratory and Critical Care Medicine, 2021, 42, 616-622.	0.8	2
1232	Quantitative Assessment of Ciliary Ultrastructure with the Use of Automatic Analysis: PCD Quant. Diagnostics, 2021, 11, 1363.	1.3	1
1233	Mechanical compression enhances ciliary beating through cytoskeleton remodeling in human nasal epithelial cells. Acta Biomaterialia, 2021, 128, 346-356.	4.1	6
1234	Yap/Taz inhibit goblet cell fate to maintain lung epithelial homeostasis. Cell Reports, 2021, 36, 109347.	2.9	24
1235	Sputum Protein Biomarkers in Airway Diseases: A Pilot Study. International Journal of COPD, 2021, Volume 16, 2203-2215.	0.9	12
1237	Airway Care Interventions for Invasively Ventilated Critically Ill Adultsâ€"A Dutch National Survey. Journal of Clinical Medicine, 2021, 10, 3381.	1.0	3
1239	Ocular surface disorders associated with the use of dupilumab based on WHO VigiBase. Scientific Reports, 2021, 11, 14293.	1.6	9
1240	Quantification of increased <scp>MUC5AC</scp> expression in airway mucus of smoker using an automated imageâ€based approach. Microscopy Research and Technique, 2022, 85, 5-18.	1.2	6
1241	An unexpected biomaterial against SARS-CoV-2: Bio-polyphosphate blocks binding of the viral spike to the cell receptor. Materials Today, 2021, 51, 504-524.	8.3	8
1242	Are Electronic Cigarettes Harmful? Mucin May Be the Key. Clinical and Experimental Otorhinolaryngology, 2021, 14, 249-250.	1.1	0
1243	Molecular dynamics simulations to explore the structure and rheological properties of normal and hyperconcentrated airway mucus. Studies in Applied Mathematics, 2021, 147, 1369-1387.	1.1	8
1244	Bordetella Adenylate Cyclase Toxin Elicits Airway Mucin Secretion through Activation of the cAMP Response Element Binding Protein. International Journal of Molecular Sciences, 2021, 22, 9064.	1.8	3
1245	The Neutrophil/Lymphocyte Ratio Could Predict Noninvasive Mechanical Ventilation Failure in Patients with Acute Exacerbation of Chronic Obstructive Pulmonary Disease: A Retrospective Observational Study. International Journal of COPD, 2021, Volume 16, 2267-2277.	0.9	6
1246	Inhaled Dual Phosphodiesterase 3/4 Inhibitors for the Treatment of Patients with COPD: A Short Review. International Journal of COPD, 2021, Volume 16, 2363-2373.	0.9	14
1247	Recent advances in human respiratory epithelium models for drug discovery. Biotechnology Advances, 2022, 54, 107832.	6.0	24

#	Article	IF	Citations
1248	Anti-asthmatic effects of tannic acid from Chinese natural gall nuts in a mouse model of allergic asthma. International Immunopharmacology, 2021, 98, 107847.	1.7	8
1249	Exploring the Appropriate Dose of Nebulized Hypertonic Saline for Bronchiolitis: A Doseâ€“Response Meta-Analysis. Journal of Investigative Medicine, 2022, 70, 46-54.	0.7	3
1250	Rational mucolytic therapy in respiratory diseases: clinical interpretation of pharmacological properties for informed choice. Meditsinskiy Sovet, 2021, , 181-191.	0.1	2
1251	Early Lung Disease Exhibits Bacteria-Dependent and -Independent Abnormalities in Cystic Fibrosis Pigs. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 692-702.	2.5	8
1252	Abnormal Airway Mucus Secretion Induced by Virus Infection. Frontiers in Immunology, 2021, 12, 701443.	2.2	14
1253	A pilot study of spray cryotherapy effects on airway secretions. Cryobiology, 2021, 102, 76-81.	0.3	2
1254	The effect of ingredients commonly used in nasal and inhaled solutions on the secretion of mucus in vitro. International Journal of Pharmaceutics, 2021, 608, 121054.	2.6	3
1255	Meteorological factors contribute to the risk of pulmonary tuberculosis: A multicenter study in eastern China. Science of the Total Environment, 2021, 793, 148621.	3.9	20
1256	Mucus targeting as a plausible approach to improve lung function in COVID-19 patients. Medical Hypotheses, 2021, 156, 110680.	0.8	13
1257	Other Drugs for Asthma and COPD. , 2022, , 729-740.		0
1258	Acute Asthma. , 2022, , 278-295.		0
1259	Mucus Hypersecretion, Hyperconcentration and Chronic Bronchitis. , 2022, , 594-610.		0
1260	Club Cells. , 2022, , 26-36.		1
1261	Emerging investigator series: the role of chemical properties in human exposure to environmental chemicals. Environmental Sciences: Processes and Impacts, 2021, 23, 1839-1862.	1.7	15
1262	A Wearable Tele-Health System towards Monitoring COVID-19 and Chronic Diseases. IEEE Reviews in Biomedical Engineering, 2022, 15, 61-84.	13.1	48
1263	Dynamic light scattering microrheology for soft and living materials. Soft Matter, 2021, 17, 1929-1939.	1.2	25
1264	Mucociliary Respiratory Epithelium Integrity in Molecular Defense and Susceptibility to Pulmonary Viral Infections. Biology, 2021, 10, 95.	1.3	31
1265	Xenopus epidermal and endodermal epithelia as models for mucociliary epithelial evolution, disease, and metaplasia. Genesis, 2021, 59, e23406.	0.8	9

#	Article	IF	Citations
1266	Genetic Risk Factors for Idiopathic Pulmonary Fibrosis: Insights into Immunopathogenesis. Journal of Inflammation Research, 2020, Volume 13, 1305-1318.	1.6	29
1267	Human Pulmonary 3D Models For Translational Research. Biotechnology Journal, 2018, 13, 1700341.	1.8	50
1268	Role of Epithelial Cells in Chronic Inflammatory Lung Disease. , 2013, , 81-98.		1
1269	Airway Anatomy, Physiology, and Inflammation. , 2013, , 19-61.		3
1270	Airway Remodelling in Asthma. , 2017, , 17-25.		3
1271	Chronic Obstructive Pulmonary Disease (COPD). , 2015, , 1267-1274.		2
1272	Mucus as Physiological Barrier to Intracellular Delivery. Fundamental Biomedical Technologies, 2014, , 139-163.	0.2	5
1273	Pathogenesis of COPD (Persistence of Airway Inflammation): Why Does Airway Inflammation Persist After Cessation of Smoking?. Respiratory Disease Series, 2017, , 57-72.	0.1	2
1274	Pulmonary inflammation caused by silica dioxide nanoparticles in mice via TXNIP/NLRP3 signaling pathway. Molecular and Cellular Toxicology, 2020, 16, 245-252.	0.8	3
1275	Inclusion of vitexin in Î²-cyclodextrin: preparation, characterization and expectorant/antitussive activities. Heliyon, 2020, 6, e05461.	1.4	17
1276	Temperature and humidity associated with increases in tuberculosis notifications: a time-series study in Hong Kong. Epidemiology and Infection, 2021, 149, e8.	1.0	15
1277	Monocyte chemotactic protein-inducing protein 1 negatively regulating asthmatic airway inflammation and mucus hypersecretion involving Î³-aminobutyric acid type A receptor signaling pathway in vivo and in vitro. Chinese Medical Journal, 2021, 134, 88-97.	0.9	4
1288	Anomalous percolation flow transition of yield stress fluids in porous media. Physical Review Fluids, 2019, 4, .	1.0	9
1289	The Effects of Stiffness, Fluid Viscosity, and Geometry of Microenvironment in Homeostasis, Aging, and Diseases: A Brief Review. Journal of Biomechanical Engineering, 2020, 142, .	0.6	24
1290	Effect of Non-Newtonian Dynamics on the Clearance of Mucus From Bifurcating Lung Airway Models. Journal of Biomechanical Engineering, 2021, 143, .	0.6	10
1291	Requirement for MUC5AC in KRAS-dependent lung carcinogenesis. JCI Insight, 2018, 3, .	2.3	25
1292	Different Munc18 proteins mediate baseline and stimulated airway mucin secretion. JCI Insight, 2019, 4, .	2.3	15
1293	Mucus strands from submucosal glands initiate mucociliary transport of large particles. JCI Insight, 2019, 4, .	2.3	36

#	Article	IF	Citations
1294	A glycopolymer improves vascoelasticity and mucociliary transport of abnormal cystic fibrosis mucus. JCI Insight, 2019, 4, .	2.3	35
1295	Microstructural alterations of sputum in cystic fibrosis lung disease. JCI Insight, 2016, 1, e88198.	2.3	71
1296	Cigarette smoke and HIV synergistically affect lung pathology in cynomolgus macaques. Journal of Clinical Investigation, 2018, 128, 5428-5433.	3.9	21
1297	Revealing the molecular signaling pathways of mucus stasis in cystic fibrosis. Journal of Clinical Investigation, 2019, 129, 4089-4090.	3.9	7
1298	Cystic fibrosis airway secretions exhibit mucin hyperconcentration and increased osmotic pressure. Journal of Clinical Investigation, 2014, 124, 3047-3060.	3.9	272
1299	Airway epithelial SPDEF integrates goblet cell differentiation and pulmonary Th2 inflammation. Journal of Clinical Investigation, 2015, 125, 2021-2031.	3.9	125
1300	Acidic pH increases airway surface liquid viscosity in cystic fibrosis. Journal of Clinical Investigation, 2016, 126, 879-891.	3.9	207
1301	Expression of Piwi protein MIWI2 defines a distinct population of multiciliated cells. Journal of Clinical Investigation, 2017, 127, 3866-3876.	3.9	14
1302	Mucus plugs in patients with asthma linked to eosinophilia and airflow obstruction. Journal of Clinical Investigation, 2018, 128, 997-1009.	3.9	337
1303	Muc5b-deficient mice develop early histological lung abnormalities. Biology Open, 2019, 8, .	0.6	11
1304	Airway Hygiene in COVID-19 Pneumonia: Treatment Responses of 3 Critically Ill Cruise Ship Employees. American Journal of Case Reports, 2020, 21, e926596.	0.3	17
1305	Brain-Derived Neurotrophic Factor Inhibits the Wound-Healing and Cell Proliferative Ability of Human Airway Epithelial Cells in Asthmatic Children. Medical Science Monitor, 2020, 26, e923680.	0.5	2
1306	Understanding the role of neutrophils in chronic inflammatory airway disease. F1000Research, 2019, 8, 557.	0.8	108
1307	Turning up the heat on COVID-19: heat as a therapeutic intervention. F1000Research, 2020, 9, 292.	0.8	17
1308	Turning up the heat on COVID-19: heat as a therapeutic intervention. F1000Research, 2020, 9, 292.	0.8	19
1309	A new index for characterizing micro-bead motion in a flow induced by ciliary beating: Part I, experimental analysis. PLoS Computational Biology, 2017, 13, e1005605.	1.5	19
1310	A Pharmacologic Approach to Acquired Cystic Fibrosis Transmembrane Conductance Regulator Dysfunction in Smoking Related Lung Disease. PLoS ONE, 2012, 7, e39809.	1.1	159
1311	Iron Supplementation Decreases Severity of Allergic Inflammation in Murine Lung. PLoS ONE, 2012, 7, e45667.	1.1	15

#	Article	IF	Citations
1312	The Endogenous Th17 Response in NO2-Promoted Allergic Airway Disease Is Dispensable for Airway Hyperresponsiveness and Distinct from Th17 Adoptive Transfer. PLoS ONE, 2013, 8, e74730.	1.1	19
1313	Intraflagellar Transport Gene Expression Associated with Short Cilia in Smoking and COPD. PLoS ONE, 2014, 9, e85453.	1.1	69
1314	Sputum Leucine-Rich Alpha-2 Glycoprotein as a Marker of Airway Inflammation in Asthma. PLoS ONE, 2016, 11, e0162672.	1.1	44
1315	Pro-resolving lipid mediator Resolvin D1 serves as a marker of lung disease in cystic fibrosis. PLoS ONE, 2017, 12, e0171249.	1.1	42
1316	Mucus Hyperconcentration as a Unifying Aspect of the Chronic Bronchitic Phenotype. Annals of the American Thoracic Society, 2016, 13 Suppl 2, S156-62.	1.5	48
1317	Cell Jamming in the Airway Epithelium. Annals of the American Thoracic Society, 2016, 13, S64-S67.	1.5	14
1318	The Role of Guaifenesin in the Management of Chronic Mucus Hypersecretion Associated with Stable Chronic Bronchitis: A Comprehensive Review. Chronic Obstructive Pulmonary Diseases (Miami, Fla), 2019, 6, 341-349.	0.5	16
1319	Downregulation of semaphorin 3E promotes hallmarks of experimental chronic allergic asthma. Oncotarget, 2017, 8, 98953-98963.	0.8	18
1320	Asian Sand Dust Enhances the Inflammatory Response and Mucin Gene Expression in the Middle Ear. Clinical and Experimental Otorhinolaryngology, 2016, 9, 198-205.	1.1	12
1321	Thermostable Subunit Vaccines for Pulmonary Delivery: How Close Are We?. Current Pharmaceutical Design, 2016, 22, 2561-2576.	0.9	16
1322	Taming Influenza Virus: Role of Antisense Technology. Current Molecular Medicine, 2015, 15, 433-445.	0.6	7
1323	TMEM16A chloride channel does not drive mucus production. Life Science Alliance, 2019, 2, e201900462.	1.3	21
1324	A Time Series Observation of Chinese Children Undergoing Rigid Bronchoscopy for an Inhaled Foreign Body. Chinese Medical Journal, 2015, 128, 504-509.	0.9	22
1325	Regulation of MUC5AC mucin production by the cell attachment dependent pathway involving integrin <i>Î²</i>1 in NCI-H292 human lung epithelial cells. Advances in Biological Chemistry, 2013, 03, 1-10.	0.2	9
1326	Targeting the phosphoinositide-3-kinase/protein kinase B pathway in airway innate immunity. World Journal of Biological Chemistry, 2020, 11, 30-51.	1.7	7
1327	Inflammatory, anti-inflammatory and regulatory cytokines in relatively healthy lung tissue as an essential part of the local immune system. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2017, 161, 164-173.	0.2	8
1328	Coordinated genomic control of ciliogenesis and cell movement by RFX2. ELife, 2014, 3, e01439.	2.8	121
1329	Lack of airway submucosal glands impairs respiratory host defenses. ELife, 2020, 9, .	2.8	26

#	Article	IF	Citations
1330	COPD: Immunopathogenesis and Immunological Markers. Advances in Research, 2015, 3, 221-235.	0.3	4
1331	On harvesting and handling of porcine jejunal mucus: A few tricks of the trade. Journal of Pharmaceutical Sciences, 2021, , .	1.6	1
1332	Antimicrobial effects of Melaleuca alternifolia (tea tree) essential oil against biofilm-forming multidrug-resistant cystic fibrosis-associated Pseudomonas aeruginosa as a single agent and in combination with commonly nebulized antibiotics. Letters in Applied Microbiology, 2022, 75, 578-587.	1.0	1
1333	â€œA Major Quality of Life Issueâ€• A Survey-Based Analysis of the Experiences of Adults With Laryngotracheal Stenosis with Mucus and Cough. Annals of Otology, Rhinology and Laryngology, 2022, 131, 962-970.	0.6	1
1334	Evaluation of airway inflammation in mechanically ventilated patients using cell count and protein concentration. Scientific Reports, 2021, 11, 19803.	1.6	3
1335	Pathophysiological relevance of sputum MUC5AC and MUC5B levels in patients with mild asthma. Allergology International, 2022, 71, 193-199.	1.4	12
1337	Airway antibodies emerge according to COVID-19 severity and wane rapidly but reappear after SARS-CoV-2 vaccination. JCI Insight, 2021, 6, .	2.3	27
1338	The protective effect of solidagenone from Solidago chilensis Meyen in a mouse model of airway inflammation. Basic and Clinical Pharmacology and Toxicology, 2022, 130, 44-55.	1.2	4
1340	Mucus-producing 3D cell culture models. Advanced Drug Delivery Reviews, 2021, 178, 113993.	6.6	4
1341	Regulation of Mucin Exocytosis in Airway Secretory Cells. Korean Journal of Otorhinolaryngology-Head and Neck Surgery, 2013, 56, 123.	0.0	0
1342	Improved lung function using a therapeutic educational multidisciplinary program in a pediatric cystic fibrosis clinic. Education Therapeutique Du Patient, 2013, 5, 131-136.	0.5	0
1343	Chronic Obstructive Pulmonary Disease (COPD). , 2014, , 1-7.		0
1344	Pathophysiology of Allergic Inflammation. , 2014, , 327-342.		1
1346	Respiratory Tract Mucosal Immunology. , 2014, , 715-729.		0
1347	Examination of the Ability of N-acetylcysteine Administration during Anesthesia to Prevent Perioperative Deterioration of Pulmonary Function in Patients Undergoing Nephrectomy. Journal of Lifestyle Medicine, 2014, 4, 95-100.	0.3	0
1348	The Immunobiology of Asthma. , 2016, , 295-305.		1
1349	MUC5B Production Is Unaffected by Akt Inhibition in Human Lung Epithelial NCI-H292 Cells. Advances in Biological Chemistry, 2016, 06, 35-42.	0.2	0
1351	2. Drug Development for Hereditary Protein Misfolding Diseases. Japanese Journal of Clinical Pharmacology and Therapeutics, 2017, 48, 110-113.	0.1	0

#	Article	IF	Citations
1353	A prolonged cough treatment strategy â€œprolonged cough and airway secretionâ€• Nihon Shoni Arerugi Gakkaishi the Japanese Journal of Pediatric Allergy and Clinical Immunology, 2018, 32, 205-210.	0.0	0
1354	Pulmonary Fibrosis: Hereditary and Non-hereditaryâ€”What Are the Role of Genetic Factors in the Pathogenesis of Pulmonary Fibrosis?. Respiratory Disease Series, 2018, , 107-133.	0.1	0
1355	All plugged up â€” noninvasive mucus score to assess airway dysfunction in asthma. Journal of Clinical Investigation, 2018, 128, 906-909.	3.9	2
1357	Current opportunities for the treatment of respiratory diseases in paediatric practice. Meditsinskiy Sovet, 2018, , 132-136.	0.1	2
1358	Clinical releveance of hemorrhagic component of endobronchial inflammation in severe chronic obstructive pulmonary disease exacerbation. Terapevticheskii Arkhiv, 2019, 91, 17-21.	0.2	5
1359	Viruses and the lung microbiome. , 2019, , 119-139.		1
1362	11. Scientific Significance and Clinical Impact of Sputum-based on the "Clinical Guideline of Cough and Sputum 2019" -. The Journal of the Japanese Society of Internal Medicine, 2019, 108, 1934-1938.	0.0	0
1363	Kinesiterapia y sÃndrome ventilatorio obstructivo, en fase estable. EMC - Kinesiterapia - Medicina FÃsica, 2019, 40, 1-24.	0.1	0
1364	Physiology of the Nose and Paranasal Sinuses. , 2020, , 57-63.		2
1365	Protection of upper respiratory tract of patient in conditions of respiratory support: current state of issue. Medical Alphabet, 2019, 1, 30-36.	0.0	4
1367	Special Kinds and Clinical Manifestation of Voice Disorders. European Manual of Medicine, 2020, , 239-347.	0.1	0
1368	Effect of radon therapy on epithelial cells of the respiratory tract mucosa in patients with occupational chronic obstructive pulmonary disease. Meditsina Truda I Promyshlennaia Ekologiia, 2020, , 195-199.	0.1	1
1369	A 3D â€œIn Vitroâ€•Model to Study Hyaluronan Effect in Nasal Epithelial Cell Line Exposed to Double-Stranded RNA Poly(I:C). Biomolecules and Therapeutics, 2020, 28, 272-281.	1.1	1
1373	Soda stream modifies airway fluid. Journal of Physiology, 2020, 598, 4143-4144.	1.3	2
1375	Lack of Kcnn4 improves mucociliary clearance in muco-obstructive lung disease. JCI Insight, 2020, 5, .	2.3	11
1376	Chest Physiotherapy. , 2020, , 649-659.		0
1377	Therapeutic effect of nebulized hypertonic saline for muco-obstructive lung diseases: a systematic review and meta-analysis with trial sequential analysis. Journal of Investigative Medicine, 2021, 69, 742-748.	0.7	4
1379	Optimizations of In Vitro Mucus and Cell Culture Models to Better Predict In Vivo Gene Transfer in Pathological Lung Respiratory Airways: Cystic Fibrosis as an Example. Pharmaceutics, 2021, 13, 47.	2.0	14

#	Article	IF	Citations
1381	Efficacy and safety of Cineole (SoledumÂ®) in the treatment of patients with acute bronchitis: results of an open-label randomized clinical phase III study. Clinical Phytoscience, 2021, 7, .	0.8	5
1382	Guifu Dihuang Pills Ameliorated Mucus Hypersecretion by Suppressing Muc5ac Expression and Inactivating the ERK-SP1 Pathway in Lipopolysaccharide/Cigarette Smoke-Induced Mice. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-15.	0.5	5
1383	Risk of an Adverse Event in Individuals Who Aspirate: A Review of Current Literature on Host Defenses and Individual Differences. American Journal of Speech-Language Pathology, 2021, , 1-15.	0.9	10
1386	Cilia proteins CFAP36 and sentan in induced sputum as possible new markers of epithelial damage in obstructive lung diseases: A preliminary study. Postepy Higieny I Medycyny Doswiadczalnej, 2020, 74, 437-442.	0.1	1
1387	Initial validation of a modified suction task training system. Canadian Journal of Respiratory Therapy, 2015, 51, 13-7.	0.2	0
1388	Berberine attenuates cigarette smoke-induced airway inflammation and mucus hypersecretion in mice. International Journal of Clinical and Experimental Medicine, 2015, 8, 8641-7.	1.3	12
1390	Shock Due to an Obstructed Endotracheal Tube. The Journal of Critical Care Medicine, 2021, 7, 308-311.	0.3	0
1391	Epigenetic reprogramming of airway macrophages promotes polarization and inflammation in muco-obstructive lung disease. Nature Communications, 2021, 12, 6520.	5.8	38
1392	Gingerâ€‘derived compounds exert inÂvivo and inÂvitro antiâ€‘asthmatic effects by inhibiting the Tâ€‘helper 2 cellâ€‘mediated allergic response. Experimental and Therapeutic Medicine, 2021, 23, 49.	0.8	2
1393	The Communication between Ocular Surface and Nasal Epithelia in 3D Cell Culture Technology for Translational Research: A Narrative Review. International Journal of Molecular Sciences, 2021, 22, 12994.	1.8	1
1394	The spectrum of inflammatory responses. Science, 2021, 374, 1070-1075.	6.0	198
1395	Airway Epithelial Innate Immunity. Frontiers in Physiology, 2021, 12, 749077.	1.3	21
1396	Intestinal mucus barrier: a missing piece of the puzzle in food allergy. Trends in Molecular Medicine, 2022, 28, 36-50.	3.5	27
1397	Nanotherapeutics for Nose-to-Brain Drug Delivery: An Approach to Bypass the Blood Brain Barrier. Pharmaceutics, 2021, 13, 2049.	2.0	64
1398	Influence of SARS-CoV-2 on airway mucus production: A review and proposed model. Veterinary Pathology, 2022, 59, 578-585.	0.8	14
1399	Engineering nanoparticles to overcome the mucus barrier for drug delivery: Design, evaluation and state-of-the-art. Medicine in Drug Discovery, 2021, 12, 100110.	2.3	21
1400	Non-Pharmaceutical Techniques for Obstructive Airway Clearance Focusing on the Role of Oscillating Positive Expiratory Pressure (OPEP): A Narrative Review. Pulmonary Therapy, 2022, 8, 1-41.	1.1	3
1402	State-of-the-art review of the application and development of various methods of aerosol therapy. International Journal of Pharmaceutics, 2022, 614, 121432.	2.6	4

#	Article	IF	Citations
1403	Interacciones entre SARS-CoV-2 y el sistema de defensas del aparato respiratorio: consideraciones para la prevenciÃ³n y el manejo de las infecciones. Ciencia, TecnologÃa Y Salud, 2020, 7, 289-308.	0.0	0
1404	Euxanthone inhibits lipopolysaccharideâ€induced injury, inflammatory response, and MUC5AC hypersecretion in human airway epithelial cells by the TLR4/MyD88 pathway. Journal of Applied Toxicology, 2022, 42, 671-682.	1.4	2
1405	An Adverse Outcome Pathway for Decreased Lung Function Focusing on Mechanisms of Impaired Mucociliary Clearance Following Inhalation Exposure. Frontiers in Toxicology, 2021, 3, 750254.	1.6	8
1406	Investigation into the potential use of dietary supplementation to reduce the impact of Amoebic Gill Disease. Aquaculture, 2022, 552, 737983.	1.7	1
1407	Strategies to Overcome Biological Barriers Associated with Pulmonary Drug Delivery. Pharmaceutics, 2022, 14, 302.	2.0	12
1408	Refractory neutrophilic asthma and ciliary genes. Journal of Allergy and Clinical Immunology, 2022, 149, 1970-1980.	1.5	9
1409	Hereditary Mucin Deficiency Caused by Biallelic Loss of Function of MUC5B. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 761-768.	2.5	12
1410	Involvement of the Innate Immune System in the Pathogenesis of Chronic Obstructive Pulmonary Disease. International Journal of Molecular Sciences, 2022, 23, 985.	1.8	15
1411	Predicting the pulmonary effects of long-term e-cigarette use: are the clouds clearing?. European Respiratory Review, 2022, 31, 210121.	3.0	20
1412	The place of combined mucoactive drugs in the treatment of acute respiratory infections in children. Meditsinskiy Sovet, 2022, , 225-233.	0.1	0
1413	Transcriptomic Analysis Reveals a Link Between Hippo Signaling Pathway and Macrophages in Lungs of Mice with OVA-Induced Allergic Asthma. Journal of Inflammation Research, 2022, Volume 15, 423-437.	1.6	4
1414	Toward an optimized strategy of using various airway mucus clearance techniques to treat critically ill COVID-19 patients. Biocell, 2022, 46, 855-871.	0.4	4
1415	Environmental Factors Influencing COVID-19 Incidence and Severity. Annual Review of Public Health, 2022, 43, 271-291.	7.6	71
1416	Cellular and molecular architecture of submucosal glands in wild-type and cystic fibrosis pigs. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	14
1417	Typeâ€1 Laryngeal Cleft and Pathogenic Bacterial Growth in the Lower Airway in Children. Laryngoscope, 2022, , .	1.1	0
1418	Physiology and pathophysiology of human airway mucus. Physiological Reviews, 2022, 102, 1757-1836.	13.1	78
1419	The differentiation of embryonic stem cells and induced pluripotent stem cells into airway and alveolar epithelial cells. , 2022, , 95-127.		0
1420	Hybrid Lipid/Polymer Nanoparticles to Tackle the Cystic Fibrosis Mucus Barrier in siRNA Delivery to the Lungs: Does PEGylation Make the Difference?. ACS Applied Materials & Interfaces, 2022, 14, 7565-7578.	4.0	37

#	Article	IF	Citations
1421	Ex vivo pulmonary assay applied for screening of toxicity potential of chemicals. Food and Chemical Toxicology, 2022, 161, 112820.	1.8	2
1422	Models using native tracheobronchial mucus in the context of pulmonary drug delivery research: Composition, structure and barrier properties. Advanced Drug Delivery Reviews, 2022, 183, 114141.	6.6	17
1423	Association of Nonobstructive Chronic Bronchitis With All-Cause Mortality. Chest, 2022, 162, 92-100.	0.4	6
1424	Plant-Based Support of Respiratory Health during Viral Outbreaks. Journal of Agricultural and Food Chemistry, 2022, , .	2.4	5
1426	Distinct Secretion of MUC5AC and MUC5B in Upper and Lower Chronic Airway Diseases. Open Access Macedonian Journal of Medical Sciences, 2022, 10, 215-223.	0.1	0
1427	Mucus Plugs and Small Airway Dysfunction: An Important Concept in Airway Disease Pathophysiology. Allergy, Asthma and Immunology Research, 2022, 14, 151.	1.1	1
1428	Staphylococcus epidermidis Controls Opportunistic Pathogens in the Nose, Could It Help to Regulate SARS-CoV-2 (COVID-19) Infection?. Life, 2022, 12, 341.	1.1	5
1429	Methods of Sputum and Mucus Assessment for Muco-Obstructive Lung Diseases in 2022: Time to â€œUnplugâ€•from Our Daily Routine!. Cells, 2022, 11, 812.	1.8	6
1430	Age-Related Differences in Structure and Function of Nasal Epithelial Cultures From Healthy Children and Elderly People. Frontiers in Immunology, 2022, 13, 822437.	2.2	5
1431	Role of Histone Post-Translational Modifications in Inflammatory Diseases. Frontiers in Immunology, 2022, 13, 852272.	2.2	27
1432	Azithromycin inhibits mucin secretion, mucous metaplasia, airway inflammation, and airways hyperresponsiveness in mice exposed to house dust mite extract. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L683-L698.	1.3	5
1433	Influenza A virus diffusion through mucus gel networks. Communications Biology, 2022, 5, 249.	2.0	13
1434	DMBT1 is upregulated in cystic fibrosis, affects ciliary motility, and is reduced by acetylcysteine. Molecular and Cellular Pediatrics, 2022, 9, 4.	1.0	1
1436	Elastic mucus strands impair mucociliary clearance in cystic fibrosis pigs. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121731119.	3.3	7
1437	SARS-CoV-2 infection of airway cells causes intense viral and cell shedding, two spreading mechanisms affected by IL-13. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119680119.	3.3	53
1438	Study on the Associations between Meteorological Factors and the Incidence of Pulmonary Tuberculosis in Xinjiang, China. Atmosphere, 2022, 13, 533.	1.0	5
1439	Mucus secretion blocked at its source in the lungs. Nature, 2022, 603, 798-799.	13.7	1
1440	Respiratory MUC5B disproportion is involved in severe community-acquired pneumonia. BMC Pulmonary Medicine, 2022, 22, 90.	0.8	0

#	Article	IF	Citations
1441	Multi-omics evaluation of SARS-CoV-2 infected mouse lungs reveals dynamics of host responses. IScience, 2022, 25, 103967.	1.9	7
1443	The Pathogenesis of Bronchiectasis. Clinics in Chest Medicine, 2022, 43, 35-46.	0.8	4
1444	Mucus Clearance Strategies in Mechanically Ventilated Patients. Frontiers in Physiology, 2022, 13, 834716.	1.3	6
1445	SARS-CoV-2 Dynamics in the Mucus Layer of the Human Upper Respiratory Tract Based on Hostâ€“Cell Dynamics. Sustainability, 2022, 14, 3896.	1.6	7
1446	Ecklonia cava-Hizikia fusiformis complex extract alleviates inflammation in human lung epithelia. Journal of Plant Biotechnology, 2022, 49, 90-98.	0.1	2
1447	Inhibition of calcium-triggered secretion by hydrocarbon-stapled peptides. Nature, 2022, 603, 949-956.	13.7	39
1448	Regional Differences in Mucociliary Clearance in the Upper and Lower Airways. Frontiers in Physiology, 2022, 13, 842592.	1.3	5
1450	Nano-delivery to the lung - by inhalation or other routes and why nano when micro is largely sufficient?. Advanced Drug Delivery Reviews, 2022, 183, 114173.	6.6	44
1452	In vivo models of mucin biosynthesis and function. Advanced Drug Delivery Reviews, 2022, 184, 114182.	6.6	17
1453	Endoplasmic reticulum stress in airway hyperresponsiveness. Biomedicine and Pharmacotherapy, 2022, 149, 112904.	2.5	4
1456	Barrier Impairment and Type 2 Inflammation in Allergic Diseases: The Pediatric Perspective. Children, 2021, 8, 1165.	0.6	10
1457	Recurring exposure to low humidity induces transcriptional and protein level changes in the vocal folds of rabbits. Scientific Reports, 2021, 11, 24180.	1.6	5
1458	Cystic Fibrosis Mucus Model to Design More Efficient Drug Therapies. Molecular Pharmaceutics, 2022, 19, 520-531.	2.3	14
1459	A disorder clinically resembling cystic fibrosis caused by biallelic variants in the AGR2 gene. Journal of Medical Genetics, 2022, 59, 993-1001.	1.5	5
1460	Enhanced Cellular Permeation Efficiency Through Mechanical Vibration-induced Actin Cytoskeleton Changes in Human Nasal Epithelial Cells. Biotechnology and Bioprocess Engineering, 2021, 26, 1034-1042.	1.4	0
1461	Destiny of airway disease: interplay between epithelial barrier and the innate immune system. Tissue Barriers, 2021, , 2020706.	1.6	0
1462	The effectiveness of dexamethasone as a combination therapy for COVID-19. Acta Pharmaceutica, 2022, 72, 345-358.	0.9	2
1479	Surface Modification of Lipid-Based Nanoparticles. ACS Nano, 2022, 16, 7168-7196.	7.3	49

#	Article	IF	Citations
1480	An Airway-Centric View of Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 410-416.	2.5	5
1483	SARS-CoV-2: An Overview of the Genetic Profile and Vaccine Effectiveness of the Five Variants of Concern. Pathogens, 2022, 11, 516.	1.2	10
1484	Influence of cough airflow characteristics on respiratory mucus clearance. Physics of Fluids, 2022, 34, .	1.6	6
1485	Respiratory Viral and Bacterial Exacerbations of COPDâ€"The Role of the Airway Epithelium. Cells, 2022, 11, 1416.	1.8	10
1486	Bronchocele, a common but underrecognized condition: a systematic review. Monaldi Archives for Chest Disease, 2022, , .	0.3	1
1487	The Promise of Nanotechnology in Personalized Medicine. Journal of Personalized Medicine, 2022, 12, 673.	1.1	27
1488	Shell Disorder Models Detect That Omicron Has Harder Shells with Attenuation but Is Not a Descendant of the Wuhan-Hu-1 SARS-CoV-2. Biomolecules, 2022, 12, 631.	1.8	4
1489	Identification, diversity and domain structure analysis of mucin and mucin-like genes in sea anemone Actinia tenebrosa. PeerJ, 2022, 10, e13292.	0.9	2
1490	Non-Cellular Layers of the Respiratory Tract: Protection against Pathogens and Target for Drug Delivery. Pharmaceutics, 2022, 14, 992.	2.0	4
1492	An improved, filtration-based process to purify functional mucins from mucosal tissues with high yields. Separation and Purification Technology, 2022, 294, 121209.	3.9	7
1493	Pulsatile parallel flow of air and a viscoelastic fluid with multiple characteristic times. An application to mucus in the trachea and the frequency of cough. Journal of Physics Condensed Matter, 2022, 34, 314003.	0.7	2
1494	Oxidative Stress in Chronic Obstructive Pulmonary Disease. Antioxidants, 2022, 11, 965.	2.2	54
1495	Angiogenesis, Lymphangiogenesis, and Inflammation in Chronic Obstructive Pulmonary Disease (COPD): Few Certainties and Many Outstanding Questions. Cells, 2022, 11, 1720.	1.8	12
1496	The Short Term Influence of Chest Physiotherapy on Lung Function Parameters in Children With Cystic Fibrosis and Primary Ciliary Dyskinesia. Frontiers in Pediatrics, 2022, 10, .	0.9	3
1497	Treatment With LAU-7b Complements CFTR Modulator Therapy by Improving Lung Physiology and Normalizing Lipid Imbalance Associated With CF Lung Disease. Frontiers in Pharmacology, 0, 13, .	1.6	0
1498	The Use of Mechanical Insufflation-Exsufflation in Invasively Ventilated Critically Ill Adults. Respiratory Care, 2022, 67, 1043-1057.	0.8	8
1500	Mechanistic Insights into the Impact of Air Pollution on Pneumococcal Pathogenesis and Transmission. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1070-1080.	2.5	12
1501	Inhaled delivery of a lipid nanoparticle encapsulated messenger RNA encoding a ciliary protein for the treatment of primary ciliary dyskinesia. Pulmonary Pharmacology and Therapeutics, 2022, 75, 102134.	1.1	14

#	Article	IF	Citations
1503	Pulmonary Drug Delivery. , 2022, , 1029-1040.		0
1504	Basiliximab Does Not Impair Airway Mucociliary Clearance of Rats. Inflammation, 0, , .	1.7	0
1505	Screening of Hydrocarbon-Stapled Peptides for Inhibition of Calcium-Triggered Exocytosis. Frontiers in Pharmacology, 0, 13, .	1.6	6
1506	3D numerical simulation of hot airflow in the human nasal cavity and trachea. Computers in Biology and Medicine, 2022, 147, 105702.	3.9	6
1507	From Static to Dynamic: A Review on the Role of Mucus Heterogeneity in Particle and Microbial Transport. ACS Biomaterials Science and Engineering, 2022, 8, 2825-2848.	2.6	8
1508	Biochemical, biophysical, and immunological characterization of respiratory secretions in severe SARS-CoV-2 infections. JCI Insight, 2022, 7, .	2.3	16
1509	The Use of Artificial Sputum Media to Enhance Investigation and Subsequent Treatment of Cystic Fibrosis Bacterial Infections. Microorganisms, 2022, 10, 1269.	1.6	10
1510	Machine learning-informed predictions of nanoparticle mobility and fate in the mucus barrier. APL Bioengineering, 2022, 6, .	3.3	5
1511	Iristectorigenin A exerts novel protective properties against airway inflammation and mucus hypersecretion in OVA-induced asthmatic mice. Phytomedicine, 2022, 104, 154252.	2.3	4
1512	Respiratory management in daily life. , 2022, , 31-57.		0
1513	The Fate of Inhaled Uranium-Containing Particles upon Clearance to Gastrointestinal Tract. Environmental Sciences: Processes and Impacts, 0, , .	1.7	1
1514	Pathophysiology of Asthma-Chronic Obstructive Pulmonary Disease Overlap. Immunology and Allergy Clinics of North America, 2022, , .	0.7	0
1515	Adenophora Stricta Root Extract Protects Lung Injury from Exposure to Particulate Matter 2.5 in Mice. Antioxidants, 2022, 11, 1376.	2.2	9
1516	Experience of inhaled hypertonic saline use in pediatric pulmonology. Meditsinskiy Sovet, 2022, , 36-39.	0.1	0
1517	Allergic Asthma in the Era of Personalized Medicine. Journal of Personalized Medicine, 2022, 12, 1162.	1.1	13
1518	Pharmacokinetics and Bioequivalence of Fudosteine in Healthy Chinese Volunteers Under Fasting and Fed Conditions: A 4â€Way Replicate Crossover Study. Clinical Pharmacology in Drug Development, 0, , .	0.8	0
1519	Colocalization of Gene Expression and DNA Methylation with Genetic Risk Variants Supports Functional Roles of MUC5B and DSP in Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1259-1270.	2.5	12
1520	Mucins MUC5AC and MUC5B Are Variably Packaged in the Same and in Separate Secretory Granules. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1081-1095.	2.5	10

#	Article	IF	Citations
1521	Airway Mucus Dysfunction in COVID-19. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 1304-1306.	2.5	1
1522	Autocrine TGF-alpha is associated with Benzo(a)pyrene-induced mucus production and MUC5AC expression during allergic asthma. Ecotoxicology and Environmental Safety, 2022, 241, 113833.	2.9	5
1523	Nanomechanics and Morphology of Simulated Respiratory Particles. Environmental Science & Technology, 2022, 56, 10879-10890.	4.6	8
1524	Polymeric particle-based therapies for acute inflammatory diseases. Nature Reviews Materials, 2022, 7, 796-813.	23.3	34
1525	Muc5b plays a role in the development of inflammation and fibrosis in hypersensitivity pneumonitis induced bySaccharopolyspora rectivirgula. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 323, L329-L337.	1.3	3
1526	Discovery of a drug to treat airway mucus hypersecretion. Clinical and Translational Medicine, 2022, 12, .	1.7	0
1527	Home Dust Mites Promote MUC5AC Hyper-Expression by Modulating the sNASP/TRAF6 Axis in the Airway Epithelium. International Journal of Molecular Sciences, 2022, 23, 9405.	1.8	1
1528	Mucin Transiently Sustains Coronavirus Infectivity through Heterogenous Changes in Phase Morphology of Evaporating Aerosol. Viruses, 2022, 14, 1856.	1.5	8
1529	The medical model, with a human face. Philosophical Studies, 2022, 179, 3747-3770.	0.5	2
1530	Molecular determinants of peritoneal dissemination in gastric adenocarcinoma. Digestive Diseases, 0, , .	0.8	0
1531	Intravital imaging of mucus transport in asthmatic mice using microscopic optical coherence tomography. American Journal of Physiology - Lung Cellular and Molecular Physiology, 0, , .	1.3	0
1532	Differential airway remodeling changes were observed in patients with asthma COPD overlap compared to patients with asthma and COPD alone. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 323, L473-L483.	1.3	5
1533	Targeting mucus barrier in respiratory diseases by chemically modified advanced delivery systems. Chemico-Biological Interactions, 2022, 365, 110048.	1.7	12
1534	Association between chronic obstructive pulmonary disease and periodontitis: The common role of innate immune cells?. Cytokine, 2022, 158, 155982.	1.4	3
1535	Effect of Paeoniae Radix Rubra (Paeonia Lactiflora Pall.) Extract on Mucin Secretion, Gene Expression in Human Airway Epithelial Cells. SSRN Electronic Journal, 0, , .	0.4	0
1536	Engineering Lipid Nanoparticles for Enhanced Intracellular Delivery of mRNA through Inhalation. ACS Nano, 2022, 16, 14792-14806.	7.3	59
1537	The physics of respiratory particle generation, fate in the air, and inhalation. Nature Reviews Physics, 2022, 4, 723-734.	11.9	21
1539	Mucus-Inspired Dynamic Hydrogels: Synthesis and Future Perspectives. Journal of the American Chemical Society, 2022, 144, 20137-20152.	6.6	19

#	Article	IF	Citations
1540	Ghrelin Downregulates Lipopolysaccharide/ Leptin-Induced MUC5AC Expression in Human Nasal Epithelial Cells. Clinical and Experimental Otorhinolaryngology, 2023, 16, 49-58.	1.1	1
1541	Frontline workers: Mediators of mucosal immunity in community acquired pneumonia and COVID-19. Frontiers in Immunology, 0, 13, .	2.2	0
1542	Guidance for Administering Biologics for Severe Asthma and Allergic Conditions. Canadian Respiratory Journal, 2022, 2022, 1-9.	0.8	2
1543	Vesicle trafficking and vesicle fusion: mechanisms, biological functions, and their implications for potential disease therapy. Molecular Biomedicine, 2022, 3, .	1.7	21
1544	Modeling mucus physiology and pathophysiology in human organs-on-chips. Advanced Drug Delivery Reviews, 2022, 191, 114542.	6.6	9
1545	Pulmonary neuroendocrine cells sense succinate to stimulate myoepithelial cell contraction. Developmental Cell, 2022, 57, 2221-2236.e5.	3.1	4
1546	Epithelial Endoplasmic Reticulum Stress Enhances the Risk of Muc5b-associated Lung Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2023, 68, 62-74.	1.4	6
1547	A Study on the Nature of SARS-CoV-2 Using the Shell Disorder Models: Reproducibility, Evolution, Spread, and Attenuation. Biomolecules, 2022, 12, 1353.	1.8	2
1548	Capsaicin suppresses ciliary function, while inducing permeability in bronchial epithelial cell cultures of COPD patients. Frontiers in Pharmacology, 0, 13, .	1.6	1
1549	Negative Cross-Talk between TLR2/4-Independent AMPKÎ±1 and TLR2/4-Dependent JNK Regulates S. pneumoniaeâ€“Induced Mucosal Innate Immune Response. Journal of Immunology, 2022, 209, 1532-1544.	0.4	2
1550	Increased CAP37 Expression in Stable Chronic Obstructive Pulmonary Disease. Current Medical Science, 2022, 42, 949-957.	0.7	0
1551	Airway clearance physiotherapy and health-related quality of life in cystic fibrosis. PLoS ONE, 2022, 17, e0276310.	1.1	2
1552	Greater central airway luminal area in people with COVID-19: a caseâ€“control series. Scientific Reports, 2022, 12, .	1.6	1
1553	Plasticity of ocular surface epithelia: Using a murine model of limbal stem cell deficiency to delineate metaplasia and transdifferentiation. Stem Cell Reports, 2022, 17, 2451-2466.	2.3	6
1554	Asthma and COPD: distinct diseases or components of a continuum?. , 2023, , 195-216.		0
1555	Prognostic Implication of Exfoliative Airway Pathology in Cancer-Free Coal Workersâ€™ Pneumoconiosis. International Journal of Environmental Research and Public Health, 2022, 19, 14975.	1.2	0
1556	Transcriptional adaptation of staphylococci during colonization of the authentic human environment: An overview of transcriptomic changes and their relationship to physiological conditions. Frontiers in Cellular and Infection Microbiology, 0, 12, .	1.8	1
1557	Arachidonate 15-lipoxygenase type B: Regulation, function, and its role in pathophysiology. Frontiers in Pharmacology, 0, 13, .	1.6	9

#	Article	IF	Citations
1558	Triptonide, a Diterpenoid Displayed Anti-Inflammation, Antinociceptive, and Anti-Asthmatic Efficacy in Ovalbumin-Induced Mouse Model. Applied Biochemistry and Biotechnology, 0, , .	1.4	0
1559	Boosting lung accumulation of gallium with inhalable nano-embedded microparticles for the treatment of bacterial pneumonia. International Journal of Pharmaceutics, 2022, 629, 122400.	2.6	8
1560	Bovine colostrum supplementation in prevention of upper respiratory tract infections â€“ Systematic review, meta-analysis and meta-regression of randomized controlled trials. Journal of Functional Foods, 2022, 99, 105316.	1.6	4
1561	Cell identity changes in ocular surface Epithelia. Progress in Retinal and Eye Research, 2023, 95, 101148.	7.3	4
1562	Functions of the aryl hydrocarbon receptor (AHR) beyond the canonical AHR/ARNT signaling pathway. Biochemical Pharmacology, 2023, 208, 115371.	2.0	24
1563	Effect of Paeoniae Radix Rubra (Paeonia lactiflora Pall.) extract on mucin secretion, gene expression in human airway epithelial cells. Journal of Ethnopharmacology, 2023, 303, 115959.	2.0	0
1564	Smoking induces shifts in cellular composition and transcriptome within the bronchial mucus barrier. Respirology, 2023, 28, 132-142.	1.3	2
1565	MUC5B mobilizes and MUC5AC spatially aligns mucociliary transport on human airway epithelium. Science Advances, 2022, 8, .	4.7	9
1566	Citrus junos Tanaka Peel Extract Ameliorates HDM-Induced Lung Inflammation and Immune Responses In Vivo. Nutrients, 2022, 14, 5024.	1.7	0
1567	Bâ€cell lymphomaâ€2 family proteinsâ€activated proteases as potential therapeutic targets for influenza A virus and severe acute respiratory syndrome coronavirusâ€2: Killing two birds with one stone?. Reviews in Medical Virology, 0, , .	3.9	0
1568	Reduction in Mortality of Calves with Bovine Respiratory Disease in Detection with Influenza C and D Virus. Animals, 2022, 12, 3252.	1.0	1
1569	Synthetic mucus for an ex vivo phonation setup: Creation, application, and effect on excised porcine larynges. Journal of the Acoustical Society of America, 2022, 152, 3245-3259.	0.5	3
1570	Mechanical insufflationâ€exsufflation for invasively ventilated critically ill patientsâ€”A focus group study. Nursing in Critical Care, 0, , .	1.1	2
1571	Statistical topology of the streamlines of a two-dimensional flow. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 505001.	0.7	0
1573	CFTR pharmacological modulators: A great advance in cystic fibrosis management. Archives De Pediatrie, 2022, , .	0.4	0
1574	Organoid technology and applications in lung diseases: Models, mechanism research and therapy opportunities. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	7
1575	The Human Respiratory Microbiome: Current Understandings and Future Directions. American Journal of Respiratory Cell and Molecular Biology, 2023, 68, 245-255.	1.4	7
1576	Eosinophilic otitis media; state-of-the-art diagnosis and treatment. Auris Nasus Larynx, 2022, , .	0.5	1

#	Article	IF	Citations
1577	Cystic fibrosis transmembrane conductance regulator in COPD: a role in respiratory epithelium and beyond. European Respiratory Journal, 2023, 61, 2201307.	3.1	9
1578	Systematic Pharmacology-Based Strategy to Explore the Mechanism of Bufei Huoxue Capsule in the Treatment of Chronic Obstructive Pulmonary Disease. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-16.	0.5	1
1579	Chest physiotherapy guided by electrical impedance tomography in high-dependency unit patients with pulmonary diseases: an introduction of methodology and feasibility. Critical Care, 2023, 27, .	2.5	4
1580	Propagation of an idealized infection in an airway tree, consequences of the inflammation on the oxygen transfer to blood. Journal of Theoretical Biology, 2023, , 111405.	0.8	0
1581	Genomic Fingerprint Associated with Familial Idiopathic Pulmonary Fibrosis: A Review. International Journal of Medical Sciences, 2023, 20, 329-345.	1.1	0
1582	Airway epithelial cell-specific deletion of HMGB1 exaggerates inflammatory responses in mice with muco-obstructive airway disease. Frontiers in Immunology, 0, 13, .	2.2	1
1583	Frequent body position changes and physical activity as effective as standard care for infants hospitalised with acute respiratory infections - a randomised controlled trial. Multidisciplinary Respiratory Medicine, 0, 18, .	0.6	0
1585	Airway mucus, infection, and therapeutic strategies. , 2023, , 19-28.		0
1586	Inhalation of virus-loaded droplets as a clinically plausible pathway to deep lung infection. Frontiers in Physiology, 0, 14, .	1.3	1
1587	Airway Clearance in Chronic Respiratory Disorders: Obstructive CF, COPD, and Asthma. , 2023, , 207-218.		0
1588	Reactive Cu2+-peptide intermediates revealed by kinetic studies gain relevance by matching time windows in copper metallomics. Metallomics, 2023, 15, .	1.0	2
1589	Morphologically intact airways in lung fibrosis have an abnormal proteome. Respiratory Research, 2023, 24, .	1.4	4
1591	cAMP-PDE signaling in COPD: Review of cellular, molecular and clinical features. Biochemistry and Biophysics Reports, 2023, 34, 101438.	0.7	2
1593	Airway mucus in pulmonary diseases: Muco-adhesive and muco-penetrating particles to overcome the airway mucus barriers. International Journal of Pharmaceutics, 2023, 634, 122661.	2.6	15
1594	Vagal Reflexes in Airway Hyperreactivity: Novel Pathways and a Note of Caution for Studies in Mice. American Journal of Respiratory Cell and Molecular Biology, 2023, 68, 231-233.	1.4	0
1595	Epithelial Barrier in the Nasal Mucosa, Related Risk Factors and Diseases. International Archives of Allergy and Immunology, 2023, 184, 481-501.	0.9	12
1596	Iron and mitochondria in the susceptibility, pathogenesis and progression of COPD. Clinical Science, 2023, 137, 219-237.	1.8	1
1598	Efficacy of Antibiotic Eradication Therapy of Early Pseudomonas aeruginosa Infection in Children with Primary Ciliary Dyskinesia. Annals of the American Thoracic Society, 2023, 20, 854-860.	1.5	2

#	Article	IF	Citations
1600	An inhaled bioadhesive hydrogel to shield non-human primates from SARS-CoV-2 infection. Nature Materials, 2023, 22, 903-912.	13.3	13
1602	Underlying mucus plugging during central line placement: a time-sensitive diagnostic dilemma. Clinical and Experimental Emergency Medicine, 2023, 10, 116-118.	0.5	0
1603	Effective-compound combination of Bufei Yishen formula IIIÂcombined with ER suppress airway mucus hypersecretionÂin COPD rats: via EGFR/MAPK signaling. Bioscience Reports, 0, , .	1.1	0
1604	Airway clearance in patients with neuromuscular disease. Paediatric Respiratory Reviews, 2023, 47, 33-40.	1.2	0
1605	Sputum-Rheology-Based Strategy for Guiding Azithromycin Prescription in COPD Patients with Frequent Exacerbations: A Randomized, Controlled Study (â€œCOPD CARhEâ€). Biomedicines, 2023, 11, 740.	1.4	0
1606	The immunometabolite itaconate stimulates OXGR1 to promote mucociliary clearance during the pulmonary innate immune response. Journal of Clinical Investigation, 2023, 133, .	3.9	16
1607	At the crossroads of epidemiology and biology: Bridging the gap between SARS-CoV-2 viral strain properties and epidemic wave characteristics. Biochimie, 2023, 213, 54-65.	1.3	0
1608	Drug Absorption via the Nasal Route: Opportunities and Challenges. , 2023, , 25-42.		0
1609	A Toxicological Study of the Respirable Coal Mine Dust: Assessment of Different Dust Sources within the Same Mine. Minerals (Basel, Switzerland), 2023, 13, 433.	0.8	2
1610	Ionocyte-Specific Regulation of Cystic Fibrosis Transmembrane Conductance Regulator. American Journal of Respiratory Cell and Molecular Biology, 2023, 69, 281-294.	1.4	3
1611	Pulmonary epithelial markers in phenotypes of chronic lung allograft dysfunction. Journal of Heart and Lung Transplantation, 2023, 42, 1152-1160.	0.3	3
1612	Delivery technology of inhaled therapy for asthma and COPD. Advances in Pharmacology, 2023, , .	1.2	0
1613	Non-assisted Airway Clearance Techniques. , 2023, , 281-285.		0
1614	é¼»é»è†œçºæ¯›æ¯¾å¾®å†…çª¥é•œå…‰å¦ç³»ç»Ÿè®¾è®¡. Guangxue Xuebao/Acta Optica Sinica, 2023, 43, 0417001.	0.7	1
1615	SARS-CoV-2 infection aggravates cigarette smoke-exposed cell damage in primary human airway epithelia. Virology Journal, 2023, 20, .	1.4	4
1616	Moderate Dose Bovine Colostrum Supplementation in Prevention of Upper Respiratory Tract Infections in Medical University Students: A Randomized, Triple Blind, Placebo-Controlled Trial. Nutrients, 2023, 15, 1925.	1.7	3
1617	Effect of Nebulized BromAc on Rheology of Artificial Sputum: Relevance to Muco-Obstructive Respiratory Diseases. Advances in Respiratory Medicine, 2023, 91, 146-163.	0.5	0
1619	A novel thiol-saccharide mucolytic for the treatment of muco-obstructive lung diseases. European Respiratory Journal, 2023, 61, 2202022.	3.1	10

#	Article	IF	Citations
1620	Research highlights from the 2022 European Respiratory Society International Congress: Airway diseases. ERJ Open Research, 0, , 00034-2023.	1.1	0
1622	Novel treatments against airway inflammation in COPD based on drug repurposing. Advances in Pharmacology, 2023, , .	1.2	0
1625	Basic Science Perspective on Engineering and Modeling the Large Airways. Advances in Experimental Medicine and Biology, 2023, , 73-106.	0.8	0
1634	Editorial: Mucus and the mucociliary interface: continuity and clearance. Frontiers in Physiology, 0, 14, .	1.3	0
1685	An Introduction to Particle Tracking Techniques with Applications in Biomedical Research. , 2023, , 103-123.		0
1686	Protracted Bacterial Bronchitis in Children. , 2023, , 1-20.		0
1708	Nano vs Resistant Tuberculosis: Taking the Lung Route. AAPS PharmSciTech, 2023, 24, .	1.5	0
1714	Parasitic Signals: Multimodal Sonata for Real-time Interactive Simulation of the SARS-CoV-2 Virus. , 2023, , .		0
1721	Strategies for non-viral vectors targeting organs beyond the liver. Nature Nanotechnology, 0, , .	15.6	2
1724	Macrolides and Cystic Fibrosis. , 2024, , 59-92.		0
1725	Macrolides and Inflammatory Cells, Signaling, and Mediators. , 2024, , 25-41.		0
1728	Macrolides and Asthma Therapy. , 2024, , 149-160.		0
1730	Pharmacokinetics of Inhaled Medications â€“ What Do We Know About Biological Macromolecules?. AAPS Introductions in the Pharmaceutical Sciences, 2023, , 193-213.	0.1	0
1735	Design Strategies of Dry Powders for Pulmonary Delivery of Pharmaceutical Peptides. AAPS Introductions in the Pharmaceutical Sciences, 2023, , 1-20.	0.1	0
1746	Mechanisms and mediators of disease. , 2024, , 100-117.		0
1747	Herbal Medicines for the Treatment of COPD. , 2023, , 167-184.		0