Marcus A Mall

List of Publications by Year
in descending order

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173 papers	12,779 citations	28274 55 h-index	29157 104 g-index
179 all docs	179 docs citations	179 times ranked	13262 citing authors

#	Article	IF	Citations
1	Elexacaftorâ€“Tezacaftorâ€“Ivacaftor for Cystic Fibrosis with a Single Phe508del Allele. New England Journal of Medicine, 2019, 381, 1809-1819.	27.0	1,231
2	SARS-CoV-2-reactive T cells in healthy donors and patients with COVID-19. Nature, 2020, 587, 270-274.	27.8	1,115
3	Efficacy and safety of the elexacaftor plus tezacaftor plus ivacaftor combination regimen in people with cystic fibrosis homozygous for the F508del mutation: a double-blind, randomised, phase 3 trial. Lancet, The, 2019, 394, 1940-1948.	13.7	804
4	The future of cystic fibrosis care: a global perspective. Lancet Respiratory Medicine,the, 2020, 8, 65-124.	10.7	573
5	VX-445â€“Tezacaftorâ€“Ivacaftor in Patients with Cystic Fibrosis and One or Two Phe508del Alleles. New England Journal of Medicine, 2018, 379, 1612-1620.	27.0	509
6	VX-659â€“Tezacaftorâ€“Ivacaftor in Patients with Cystic Fibrosis and One or Two Phe508del Alleles. New England Journal of Medicine, 2018, 379, 1599-1611.	27.0	280
7	Magnetic Resonance Imaging Detects Changes in Structure and Perfusion, and Response to Therapy in Early Cystic Fibrosis Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 956-965.	5.6	228
8	Cross-reactive CD4 ⁺ T cells enhance SARS-CoV-2 immune responses upon infection and vaccination. Science, 2021, 374, eabh1823.	12.6	221
9	CFTR: cystic fibrosis and beyond. European Respiratory Journal, 2014, 44, 1042-1054.	6.7	207
10	CXCR2 mediates NADPH oxidaseâ€“independent neutrophil extracellular trap formation in cystic fibrosis airway inflammation. Nature Medicine, 2010, 16, 1018-1023.	30.7	189
11	The serine protease inhibitor SerpinA3N attenuates neuropathic pain by inhibiting T cellâ€“derived leukocyte elastase. Nature Medicine, 2015, 21, 518-523.	30.7	182
12	Development of Chronic Bronchitis and Emphysema in Î²-Epithelial Na⁺ Channelâ€“Overexpressing Mice. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 730-742.	5.6	170
13	Comparison of Lung Clearance Index and Magnetic Resonance Imaging for Assessment of Lung Disease in Children with Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 349-359.	5.6	169
14	Role of Cilia, Mucus, and Airway Surface Liquid in Mucociliary Dysfunction: Lessons from Mouse Models. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2008, 21, 13-24.	1.4	165
15	Morphologic and functional scoring of cystic fibrosis lung disease using MRI. European Journal of Radiology, 2012, 81, 1321-1329.	2.6	163
16	A Phase 3 Open-Label Study of Elexacaftor/Tezacaftor/Ivacaftor in Children 6 through 11 Years of Age with Cystic Fibrosis and at Least One F508del Allele. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1522-1532.	5.6	146
17	Triple Therapy for Cystic Fibrosis Phe508delâ€“Gating and â€“Residual Function Genotypes. New England Journal of Medicine, 2021, 385, 815-825.	27.0	140
18	Cystic Fibrosis: Emergence of Highly Effective Targeted Therapeutics and Potential Clinical Implications. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1193-1208.	5.6	137

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19	CRISPR-Based Adenine Editors Correct Nonsense Mutations in a Cystic Fibrosis Organoid Biobank. Cell Stem Cell, 2020, 26, 503-510.e7.	11.1	136
20	The ENaC-overexpressing mouse as a model of cystic fibrosis lung disease. Journal of Cystic Fibrosis, 2011, 10, S172-S182.	0.7	133
21	Comparison of Microbiomes from Different Niches of Upper and Lower Airways in Children and Adolescents with Cystic Fibrosis. PLoS ONE, 2015, 10, e0116029.	2.5	133
22	Airway mucus, inflammation and remodeling: emerging links in the pathogenesis of chronic lung diseases. Cell and Tissue Research, 2017, 367, 537-550.	2.9	128
23	Ion Channel Modulators in Cystic Fibrosis. Chest, 2018, 154, 383-393.	0.8	128
24	Targeting ion channels in cystic fibrosis. Journal of Cystic Fibrosis, 2015, 14, 561-570.	0.7	126
25	Complement activation induces excessive T cell cytotoxicity in severe COVID-19. Cell, 2022, 185, 493-512.e25.	28.9	122
26	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.	5.6	116
27	Safety and Efficacy of Elexacaftor/Tezacaftor/Ivacaftor for 24 Weeks or Longer in People with Cystic Fibrosis and One or More F508del Alleles: Interim Results of an Open-Label Phase 3 Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 381-385.	5.6	116
28	Preventive but Not Late Amiloride Therapy Reduces Morbidity and Mortality of Lung Disease in Î²ENaC-overexpressing Mice. American Journal of Respiratory and Critical Care Medicine, 2008, 178, 1245-1256.	5.6	109
29	Free DNA in Cystic Fibrosis Airway Fluids Correlates with Airflow Obstruction. Mediators of Inflammation, 2015, 2015, 1-11.	3.0	100
30	Validation of Fourier decomposition MRI with dynamic contrast-enhanced MRI using visual and automated scoring of pulmonary perfusion in young cystic fibrosis patients. European Journal of Radiology, 2013, 82, 2371-2377.	2.6	99
31	Membrane-bound FRET probe visualizes MMP12 activity in pulmonary inflammation. Nature Chemical Biology, 2009, 5, 628-630.	8.0	97
32	Preventive Inhalation of Hypertonic Saline in Infants with Cystic Fibrosis (PRESIS). A Randomized, Double-Blind, Controlled Study. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1238-1248.	5.6	96
33	Effects of Lumacaftorâ€“Ivacaftor Therapy on Cystic Fibrosis Transmembrane Conductance Regulator Function in Phe508del Homozygous Patients with Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1433-1442.	5.6	95
34	Hypoxia and sterile inflammation in cystic fibrosis airways: mechanisms and potential therapies. European Respiratory Journal, 2017, 49, 1600903.	6.7	90
35	Airway and Lung Pathology Due to Mucosal Surface Dehydration in Î²-Epithelial Na+ Channel-Overexpressing Mice: Role of TNF-Î± and IL-4RÎ± Signaling, Influence of Neonatal Development, and Limited Efficacy of Glucocorticoid Treatment. Journal of Immunology, 2009, 182, 4357-4367.	0.8	86
36	SLC26A9-mediated chloride secretion prevents mucus obstruction in airway inflammation. Journal of Clinical Investigation, 2012, 122, 3629-3634.	8.2	83

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37	Gene signature driving invasive mucinous adenocarcinoma of the lung. EMBO Molecular Medicine, 2017, 9, 462-481.	6.9	79
38	Normative data for multiple breath washout outcomes in school-aged Caucasian children. European Respiratory Journal, 2020, 55, 1901302.	6.7	79
39	Studying the pathophysiology of coronavirus disease 2019: a protocol for the Berlin prospective COVID-19 patient cohort (Pa-COVID-19). Infection, 2020, 48, 619-626.	4.7	79
40	Hypoxic Epithelial Necrosis Triggers Neutrophilic Inflammation via IL-1 Receptor Signaling in Cystic Fibrosis Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 902-913.	5.6	78
41	Effects of Elexacaftor/Tezacaftor/Ivacaftor Therapy on CFTR Function in Patients with Cystic Fibrosis and One or Two F508del Alleles. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 540-549.	5.6	78
42	Airway Mucus Obstruction Triggers Macrophage Activation and Matrix Metalloproteinase 12â€“Dependent Emphysema. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 709-720.	2.9	76
43	Spatially Resolved Monitoring of Neutrophil Elastase Activity with Ratiometric Fluorescent Reporters. Angewandte Chemie - International Edition, 2012, 51, 6258-6261.	13.8	75
44	Cellular uptake and localization of inhaled gold nanoparticles in lungs of mice with chronic obstructive pulmonary disease. Particle and Fibre Toxicology, 2013, 10, 19.	6.2	74
45	Clinical development of triple-combination CFTR modulators for cystic fibrosis patients with one or two F508del alleles. ERJ Open Research, 2019, 5, 00082-2019.	2.6	72
46	Fibroblast Activation Proteinâ€“Specific PET/CT Imaging in Fibrotic Interstitial Lung Diseases and Lung Cancer: A Translational Exploratory Study. Journal of Nuclear Medicine, 2022, 63, 127-133.	5.0	72
47	Multicentre standardisation of chest MRI as radiation-free outcome measure of lung disease in young children with cystic fibrosis. Journal of Cystic Fibrosis, 2018, 17, 518-527.	0.7	68
48	Elastase Exocytosis by Airway Neutrophils Is Associated with Early Lung Damage in Children with Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 873-881.	5.6	68
49	Elastase activity on sputum neutrophils correlates with severity of lung disease in cystic fibrosis. European Respiratory Journal, 2018, 51, 1701910.	6.7	67
50	Neutrophil Adaptations upon Recruitment to the Lung: New Concepts and Implications for Homeostasis and Disease. International Journal of Molecular Sciences, 2020, 21, 851.	4.1	67
51	Automatic Airway Analysis on Multidetector Computed Tomography in Cystic Fibrosis. Journal of Thoracic Imaging, 2013, 28, 104-113.	1.5	66
52	Homeostatic nuclear RAGEâ€“ATM interaction is essential for efficient DNA repair. Nucleic Acids Research, 2017, 45, 10595-10613.	14.5	66
53	Efficacy and safety of elexacaftor plus tezacaftor plus ivacaftor versus tezacaftor plus ivacaftor in people with cystic fibrosis homozygous for F508del-CFTR: a 24-week, multicentre, randomised, double-blind, active-controlled, phase 3b trial. Lancet Respiratory Medicine,the, 2022, 10, 267-277.	10.7	66
54	Effects of Lumacaftorâ€“Ivacaftor on Lung Clearance Index, Magnetic Resonance Imaging, and Airway Microbiome in Phe508del Homozygous Patients with Cystic Fibrosis. Annals of the American Thoracic Society, 2021, 18, 971-980.	3.2	65

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55	miR-17 overexpression in cystic fibrosis airway epithelial cells decreases interleukin-8 production. European Respiratory Journal, 2015, 46, 1350-1360.	6.7	64
56	Five years of experience with biochemical cystic fibrosis newborn screening based on IRT/PAP in Germany. Pediatric Pulmonology, 2015, 50, 655-664.	2.0	62
57	Airway Surface Liquid Volume Regulation Determines Different Airway Phenotypes in Liddle Compared with Î²ENaC-overexpressing Mice. Journal of Biological Chemistry, 2010, 285, 26945-26955.	3.4	61
58	Intestinal Current Measurements Detect Activation of Mutant CFTR in Patients with Cystic Fibrosis with the G551D Mutation Treated with Ivacaftor. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 1252-1255.	5.6	59
59	Pharmacological therapy for cystic fibrosis: From bench to bedside. Journal of Cystic Fibrosis, 2011, 10, S129-S145.	0.7	58
60	Bypassing CFTR dysfunction in cystic fibrosis with alternative pathways for anion transport. Current Opinion in Pharmacology, 2017, 34, 91-97.	3.5	58
61	The role of chitin, chitinases, and chitinase-like proteins in pediatric lung diseases. Molecular and Cellular Pediatrics, 2015, 2, 3.	1.8	52
62	Conditional deletion of Nedd4-2 in lung epithelial cells causes progressive pulmonary fibrosis in adult mice. Nature Communications, 2020, 11, 2012.	12.8	52
63	Role of the amilorideâ€sensitive epithelial Na⁺ channel in the pathogenesis and as a therapeutic target for cystic fibrosis lung disease. Experimental Physiology, 2009, 94, 171-174.	2.0	50
64	Quantification of heterogeneity in lung disease with image-based pulmonary function testing. Scientific Reports, 2016, 6, 29438.	3.3	50
65	Protean proteases: at the cutting edgeÂofÂlung diseases. European Respiratory Journal, 2017, 49, 1501200.	6.7	49
66	Compromised<scp>DNA</scp>repair is responsible for diabetesâ€associated fibrosis. EMBO Journal, 2020, 39, e103477.	7.8	49
67	Multiple Breath Washout Is Feasible in the Clinical Setting and Detects Abnormal Lung Function in Infants and Young Children with Cystic Fibrosis. Respiration, 2014, 87, 357-363.	2.6	48
68	Mucus obstruction and inflammation in early cystic fibrosis lung disease: Emerging role of the ILâ€1 signaling pathway. Pediatric Pulmonology, 2019, 54, S5-S12.	2.0	48
69	Interleukin-1 is associated with inflammation and structural lung disease in young children with cystic fibrosis. Journal of Cystic Fibrosis, 2018, 17, 715-722.	0.7	47
70	FRETâ€based and other fluorescent proteinase probes. Biotechnology Journal, 2014, 9, 266-281.	3.5	46
71	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.	2.9	45
72	Disruption of the Hepcidin/Ferroportin Regulatory System Causes Pulmonary Iron Overload and Restrictive Lung Disease. EBioMedicine, 2017, 20, 230-239.	6.1	45

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73	CFTR Regulates Early Pathogenesis of Chronic Obstructive Lung Disease in Î²ENaC-Overexpressing Mice. PLoS ONE, 2012, 7, e44059.	2.5	44
74	Early detection and sensitive monitoring of CF lung disease: Prospects of improved and safer imaging. Pediatric Pulmonology, 2016, 51, S49-S60.	2.0	44
75	The Chitinase-Like Protein YKL-40 Modulates Cystic Fibrosis Lung Disease. PLoS ONE, 2011, 6, e24399.	2.5	44
76	The K+ Channel Opener 1-EBIO Potentiates Residual Function of Mutant CFTR in Rectal Biopsies from Cystic Fibrosis Patients. PLoS ONE, 2011, 6, e24445.	2.5	43
77	Targeting Proteases in Cystic Fibrosis Lung Disease. Paradigms, Progress, and Potential. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 141-147.	5.6	43
78	Antisense oligonucleotide eluforsen improves CFTR function in F508del cystic fibrosis. Journal of Cystic Fibrosis, 2019, 18, 536-542.	0.7	41
79	Magnetic Resonance Imaging Detects Progression of Lung Disease and Impact of Newborn Screening in Preschool Children with Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 943-953.	5.6	41
80	Unplugging Mucus in Cystic Fibrosis and Chronic Obstructive Pulmonary Disease. Annals of the American Thoracic Society, 2016, 13 Suppl 2, S177-85.	3.2	41
81	Pulmonary Emphysema in Cystic Fibrosis Detected by Densitometry on Chest Multidetector Computed Tomography. PLoS ONE, 2013, 8, e73142.	2.5	40
82	Initial evaluation of a biochemical cystic fibrosis newborn screening by sequential analysis of immunoreactive trypsinogen and pancreatitisâ€associated protein (IRT/PAP) as a strategy that does not involve DNA testing in a Northern European population. Journal of Inherited Metabolic Disease, 2010, 33, 263-271.	3.6	39
83	Comparison of different IRT-PAP protocols to screen newborns for cystic fibrosis in three central European populations. Journal of Cystic Fibrosis, 2014, 13, 15-23.	0.7	39
84	Magnetic resonance imaging detects improvements of pulmonary and paranasal sinus abnormalities in response to elexacaftor/tezacaftor/ivacaftor therapy in adults with cystic fibrosis. Journal of Cystic Fibrosis, 2022, 21, 1053-1060.	0.7	39
85	Epigenetic reprogramming of airway macrophages promotes polarization and inflammation in muco-obstructive lung disease. Nature Communications, 2021, 12, 6520.	12.8	38
86	Neutrophil elastase and matrix metalloproteinase 12 in cystic fibrosis lung disease. Molecular and Cellular Pediatrics, 2016, 3, 25.	1.8	37
87	Emerging Concepts and Therapies for Mucoobstructive Lung Disease. Annals of the American Thoracic Society, 2018, 15, S216-S226.	3.2	37
88	Generation and functional characterization of epithelial cells with stable expression of SLC26A9 Cl^{â^'} channels. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L593-L602.	2.9	36
89	CFTR functional measurements in human models for diagnosis, prognosis and personalized therapy. Journal of Cystic Fibrosis, 2014, 13, 363-372.	0.7	34
90	Imaging modalities in cystic fibrosis. Current Opinion in Pulmonary Medicine, 2015, 21, 609-616.	2.6	34

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91	Three-center feasibility of lung clearance index in infants and preschool children with cystic fibrosis and other lung diseases. Journal of Cystic Fibrosis, 2018, 17, 249-255.	0.7	33
92	ENaC inhibition in cystic fibrosis: potential role in the new era of CFTR modulator therapies. European Respiratory Journal, 2020, 56, 2000946.	6.7	33
93	Chronic but not intermittent infection withPseudomonas aeruginosais associated with global changes of the lung microbiome in cystic fibrosis. European Respiratory Journal, 2017, 50, 1701086.	6.7	33
94	Role of the SLC26A9 Chloride Channel as Disease Modifier and Potential Therapeutic Target in Cystic Fibrosis. Frontiers in Pharmacology, 2018, 9, 1112.	3.5	32
95	SARS-CoV-2 infection and transmission in school settings during the second COVID-19 wave: a cross-sectional study, Berlin, Germany, November 2020. Eurosurveillance, 2021, 26, .	7.0	32
96	BPIFB1 (LPLUNC1) is upregulated in cystic fibrosis lung disease. Histochemistry and Cell Biology, 2012, 138, 749-758.	1.7	31
97	Targeting of cathepsin S reduces cystic fibrosis-like lung disease. European Respiratory Journal, 2019, 53, 1801523.	6.7	31
98	One time quantitative PCR detection of Pseudomonas aeruginosa to discriminate intermittent from chronic infection in cystic fibrosis. Journal of Cystic Fibrosis, 2018, 17, 348-355.	0.7	29
99	Use of a New-Generation Reverse Tetracycline Transactivator System for Quantitative Control of Conditional Gene Expression in the Murine Lung. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 244-254.	2.9	28
100	Early cystic fibrosis lung disease: Role of airway surface dehydration and lessons from preventive rehydration therapies in mice. International Journal of Biochemistry and Cell Biology, 2014, 52, 174-179.	2.8	28
101	Protease FRET Reporters Targeting Neutrophil Extracellular Traps. Journal of the American Chemical Society, 2020, 142, 20299-20305.	13.7	28
102	miRNA-221 is elevated in cystic fibrosis airway epithelial cells and regulates expression of ATF6. Molecular and Cellular Pediatrics, 2015, 2, 1.	1.8	27
103	Non-contrast enhanced magnetic resonance imaging detects mosaic signal intensity in early cystic fibrosis lung disease. European Journal of Radiology, 2018, 101, 178-183.	2.6	26
104	Validation of automated lobe segmentation on paired inspiratory-expiratory chest CT in 8-14 year-old children with cystic fibrosis. PLoS ONE, 2018, 13, e0194557.	2.5	25
105	Midterm Reproducibility of Chest Magnetic Resonance Imaging in Adults with Clinically Stable Cystic Fibrosis and Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 103-107.	5.6	25
106	Relationship between airway dysbiosis, inflammation and lung function in adults with cystic fibrosis. Journal of Cystic Fibrosis, 2021, 20, 754-760.	0.7	25
107	Keratinocyte Growth Factor and Dexamethasone Plus Elevated cAMP Levels Synergistically Support Pluripotent Stem Cell Differentiation into Alveolar Epithelial Type II Cells. Tissue Engineering - Part A, 2013, 19, 938-951.	3.1	23
108	Comparison of Organoid Swelling and In Vivo Biomarkers of CFTR Function to Determine Effects of Lumacaftorâ€“Ivacaftor in Patients with Cystic Fibrosis Homozygous for the F508del Mutation. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1589-1592.	5.6	23

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109	Magnetic Resonance Imaging Detects Chronic Rhinosinusitis in Infants and Preschool Children with Cystic Fibrosis. Annals of the American Thoracic Society, 2020, 17, 714-723.	3.2	23
110	mCLCA3 Does Not Contribute to Calcium-Activated Chloride Conductance in Murine Airways. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 87-93.	2.9	22
111	Cigarette smoke causes acute airway disease and exacerbates chronic obstructive lung disease in neonatal mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L602-L610.	2.9	22
112	Airway Surface Dehydration Aggravates Cigarette Smoke-Induced Hallmarks of COPD in Mice. PLoS ONE, 2015, 10, e0129897.	2.5	21
113	Cathepsin G Activity as a New Marker for Detecting Airway Inflammation by Microscopy and Flow Cytometry. ACS Central Science, 2019, 5, 539-548.	11.3	21
114	Comparison of lung clearance index determined by washout of N2 and SF6 in infants and preschool children with cystic fibrosis. Journal of Cystic Fibrosis, 2019, 18, 399-406.	0.7	21
115	Optical coherence tomography detects structural abnormalitiesof the nasal mucosa in patients with cystic fibrosis. Journal of Cystic Fibrosis, 2016, 15, 216-222.	0.7	19
116	CFTR Modulator Therapy with Lumacaftor/Ivacaftor Alters Plasma Concentrations of Lipid-Soluble Vitamins A and E in Patients with Cystic Fibrosis. Antioxidants, 2021, 10, 483.	5.1	19
117	Multicentre feasibility of multiple-breath washout in preschool children with cystic fibrosis and other lung diseases. ERJ Open Research, 2020, 6, 00408-2020.	2.6	18
118	The value of chest magnetic resonance imaging compared to chest radiographs with and without additional lung ultrasound in children with complicated pneumonia. PLoS ONE, 2020, 15, e0230252.	2.5	18
119	Impaired mucus clearance exacerbates allergen-induced type 2 airway inflammation in juvenile mice. Journal of Allergy and Clinical Immunology, 2017, 140, 190-203.e5.	2.9	17
120	Echo Timeâ€Dependence of Observed Lung <scp>T₁</scp> in Patients With Cystic Fibrosis and Correlation With Clinical Metrics. Journal of Magnetic Resonance Imaging, 2020, 52, 1645-1654.	3.4	17
121	Rhinovirus Infection Is Associated With Airway Epithelial Cell Necrosis and Inflammation via Interleukin-1 in Young Children With Cystic Fibrosis. Frontiers in Immunology, 2020, 11, 596.	4.8	16
122	Pseudomonas aeruginosa Modulates the Antiviral Response of Bronchial Epithelial Cells. Frontiers in Immunology, 2020, 11, 96.	4.8	16
123	Proteases, Mucus, and Mucosal Immunity in Chronic Lung Disease. International Journal of Molecular Sciences, 2021, 22, 5018.	4.1	15
124	Hfe Deficiency Impairs Pulmonary Neutrophil Recruitment in Response to Inflammation. PLoS ONE, 2012, 7, e39363.	2.5	14
125	Nanoparticle uptake by airway phagocytes after fungal spore challenge in murine allergic asthma and chronic bronchitis. BMC Pulmonary Medicine, 2014, 14, 116.	2.0	14
126	A product of immunoreactive trypsinogen and pancreatitis-associated protein as second-tier strategy in cystic fibrosis newborn screening. Journal of Cystic Fibrosis, 2016, 15, 752-758.	0.7	14

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127	Ten years of chest MRI for patients with cystic fibrosis. Der Radiologe, 2019, 59, 10-20.	1.7	14
128	Cellular distribution and function of ion channels involved in transport processes in rat tracheal epithelium. Physiological Reports, 2017, 5, e13290.	1.7	13
129	Ductal Mucus Obstruction and Reduced Fluid Secretion Are Early Defects in Chronic Pancreatitis. Frontiers in Physiology, 2018, 9, 632.	2.8	13
130	MRI accelerating progress in functional assessment of cystic fibrosis lung disease. Journal of Cystic Fibrosis, 2017, 16, 165-167.	0.7	12
131	Expression and function of Anoctamin 1/TMEM16A calcium-activated chloride channels in airways of in vivo mouse models for cystic fibrosis research. Pflugers Archiv European Journal of Physiology, 2018, 470, 1335-1348.	2.8	12
132	Congenital Deletion of Nedd4-2 in Lung Epithelial Cells Causes Progressive Alveolitis and Pulmonary Fibrosis in Neonatal Mice. International Journal of Molecular Sciences, 2021, 22, 6146.	4.1	12
133	Lung arginase expression and activity is increased in cystic fibrosis mouse models. Journal of Applied Physiology, 2014, 117, 284-288.	2.5	11
134	Intravital microscopic optical coherence tomography imaging to assess mucus-mobilizing interventions for muco-obstructive lung disease in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L518-L524.	2.9	11
135	Lack of Kcnn4 improves mucociliary clearance in muco-obstructive lung disease. JCI Insight, 2020, 5, .	5.0	11
136	Comparison of the Lung Clearance Index in Preschool Children With Primary Ciliary Dyskinesia and Cystic Fibrosis. Chest, 2022, 162, 534-542.	0.8	11
137	A New Player in the Game: Epithelial Cathepsin S in Early Cystic Fibrosis Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 126-127.	5.6	10
138	Supplementation with Red Palm Oil IncreasesÎ²-Carotene and Vitamin A Blood Levels in Patients with Cystic Fibrosis. Mediators of Inflammation, 2015, 2015, 1-7.	3.0	10
139	Lung disease phenotypes caused by over-expression of combinations of alpha, beta, and gamma subunits of the epithelial sodium channel in mouse airways. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, ajplung.00382.2.	2.9	10
140	Potential of Intestinal Current Measurement for Personalized Treatment of Patients with Cystic Fibrosis. Journal of Personalized Medicine, 2021, 11, 384.	2.5	9
141	Chronic rhinosinusitis with nasal polyps is associated with impaired TMEM16A-mediated epithelial chloride secretion. Journal of Allergy and Clinical Immunology, 2021, 147, 2191-2201.e2.	2.9	9
142	Prevalence of SARS-CoV-2 Infections Among Students, Teachers, and Household Members During Lockdown and Split Classes in Berlin, Germany. JAMA Network Open, 2021, 4, e2127168.	5.9	9
143	Chronic ivacaftor treatment: Getting F508del-CFTR into more trouble?. Journal of Cystic Fibrosis, 2014, 13, 605-607.	0.7	8
144	An informative intragenic microsatellite marker suggests the IL-1 receptor as a genetic modifier in cystic fibrosis. European Respiratory Journal, 2017, 50, 1700426.	6.7	8

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145	Increased Inflammatory Markers Detected in Nasal Lavage Correlate with Paranasal Sinus Abnormalities at MRI in Adolescent Patients with Cystic Fibrosis. Antioxidants, 2021, 10, 1412.	5.1	8
146	Final results of the southwest German pilot study on cystic fibrosis newborn screening â€“ Evaluation of an IRT/PAP protocol with IRT-dependent safety net. Journal of Cystic Fibrosis, 2022, 21, 422-433.	0.7	8
147	Bronchoalveolar Sublineage Specification of Pluripotent Stem Cells: Effect of Dexamethasone Plus cAMP-Elevating Agents and Keratinocyte Growth Factor. Tissue Engineering - Part A, 2015, 21, 669-682.	3.1	7
148	Lack of IL-1 Receptor Signaling Reduces Spontaneous Airway Eosinophilia in Juvenile Mice with Muco-Obstructive Lung Disease. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 300-309.	2.9	7
149	CRISPRi-mediated functional analysis of lung disease-associated loci at non-coding regions. NAR Genomics and Bioinformatics, 2020, 2, lqaa036.	3.2	7
150	Drug allergy to CFTR modulator therapy associated with lumacaftor-specific CD4+ T lymphocytes. Journal of Allergy and Clinical Immunology, 2021, 147, 753-756.	2.9	7
151	Quantification of Phenotypic Variability of Lung Disease in Children with Cystic Fibrosis. Genes, 2021, 12, 803.	2.4	6
152	Impact of lockdown during the COVID-19 pandemic on health status in patients with cystic fibrosis: a mono-centre observational study. ERJ Open Research, 2022, 8, 00588-2021.	2.6	6
153	A PI3KÎ³ mimetic peptide triggers CFTR gating, bronchodilation, and reduced inflammation in obstructive airway diseases. Science Translational Medicine, 2022, 14, eabl6328.	12.4	6
154	Changes in Microbiome Dominance Are Associated With Declining Lung Function and Fluctuating Inflammation in People With Cystic Fibrosis. Frontiers in Microbiology, 2022, 13, .	3.5	6
155	Cystic fibrosis research topics featured at the 14th ECFS Basic Science Conference: Chairman's summary. Journal of Cystic Fibrosis, 2018, 17, S1-S4.	0.7	5
156	Linking Fibrotic Remodeling and Ultrastructural Alterations of Alveolar Epithelial Cells after Deletion of Nedd4-2. International Journal of Molecular Sciences, 2021, 22, 7607.	4.1	5
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