Kathryn A Ramsey

List of Publications by Year
in descending order

74	1,539	361413	330143
papers	citations	20 h-index	37 g-index

78	78	78	1922
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mucus accumulation in the lungs precedes structural changes and infection in children with cystic fibrosis. Science Translational Medicine, 2019, 11, .	12.4	146
2	Lung Clearance Index and Structural Lung Disease on Computed Tomography in Early Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 60-67.	5.6	144
3	Early Respiratory Infection Is Associated with Reduced Spirometry in Children with Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 1111-1116.	5.6	142
4	Air pollution during pregnancy and lung development in the child. Paediatric Respiratory Reviews, 2017, 21, 38-46.	1.8	117
5	Preschool Multiple-Breath Washout Testing. An Official American Thoracic Society Technical Statement. American Journal of Respiratory and Critical Care Medicine, 2018, 197, e1-e19.	5.6	92
6	Normative data for multiple breath washout outcomes in school-aged Caucasian children. European Respiratory Journal, 2020, 55, 1901302.	6.7	79
7	Airway Mucus Hyperconcentration in Nonâ€“Cystic Fibrosis Bronchiectasis. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 661-670.	5.6	64
8	Correction of sensor crosstalk error in Exhalyzer D multiple-breath washout device significantly impacts outcomes in children with cystic fibrosis. Journal of Applied Physiology, 2021, 131, 1148-1156.	2.5	55
9	A Systematic Approach to Multiple Breath Nitrogen Washout Test Quality. PLoS ONE, 2016, 11, e0157523.	2.5	51
10	Early Life Arsenic Exposure and Acute and Long-term Responses to Influenza A Infection in Mice. Environmental Health Perspectives, 2013, 121, 1187-1193.	6.0	46
11	Progressive ventilation inhomogeneity in infants with cystic fibrosis after pulmonary infection. European Respiratory Journal, 2015, 46, 1680-1690.	6.7	42
12	Endotracheal tube mucus as a source of airway mucus for rheological study. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L498-L509.	2.9	42
13	In Utero Exposure to Arsenic Alters Lung Development and Genes Related to Immune and Mucociliary Function in Mice. Environmental Health Perspectives, 2013, 121, 244-250.	6.0	38
14	Structural and Functional Lung Impairment in Primary Ciliary Dyskinesia. Assessment with Magnetic Resonance Imaging and Multiple Breath Washout in Comparison to Spirometry. Annals of the American Thoracic Society, 2018, 15, 1434-1442.	3.2	36
15	In utero exposure to low dose arsenic via drinking water impairs early life lung mechanics in mice. BMC Pharmacology & Toxicology, 2013, 14, 13.	2.4	34
16	Longitudinal course of clinical lung clearance index in children with cystic fibrosis. European Respiratory Journal, 2021, 58, 2002686.	6.7	33
17	Ventilation and perfusion assessed by functional MRI in children with CF: reproducibility in comparison to lung function. Journal of Cystic Fibrosis, 2019, 18, 543-550.	0.7	32
18	Multiple-Breath Washout Outcomes Are Sensitive to Inflammation and Infection in Children with Cystic Fibrosis. Annals of the American Thoracic Society, 2017, 14, 1436-1442.	3.2	30

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19	Fiberâ€type dependence of stretchâ€induced force enhancement in rat skeletal muscle. Muscle and Nerve, 2010, 42, 769-777.	2.2	27
20	Impact of lung disease on respiratory impedance in young children with cystic fibrosis. European Respiratory Journal, 2015, 46, 1672-1679.	6.7	24
21	Mucin Agarose Gel Electrophoresis: Western Blotting for High-molecular-weight Glycoproteins. Journal of Visualized Experiments, 2016, , .	0.3	23
22	Biomarkers in Paediatric Cystic Fibrosis Lung Disease. Paediatric Respiratory Reviews, 2015, 16, 213-218.	1.8	19
23	Air trapping in early cystic fibrosis lung disease-Does CT tell the full story?. Pediatric Pulmonology, 2017, 52, 1150-1156.	2.0	19
24	Multiple breath washout quality control in the clinical setting. Pediatric Pulmonology, 2021, 56, 105-112.	2.0	18
25	Interpretation of lung function in infants and young children with cystic fibrosis. Respirology, 2014, 19, 792-799.	2.3	16
26	The impact of segmentation on wholeâ€lung functional MRI quantification: Repeatability and reproducibility from multiple human observers and an artificial neural network. Magnetic Resonance in Medicine, 2021, 85, 1079-1092.	3.0	16
27	Effect of posture on lung ventilation distribution and associations with structure in children with cystic fibrosis. Journal of Cystic Fibrosis, 2017, 16, 713-718.	0.7	12
28	Nasal Microbiota and Respiratory Tract Infections: The Role of Viral Detection. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 919-922.	5.6	12
29	Effect of breastfeeding duration on lung function, respiratory symptoms and allergic diseases in schoolâ€age children. Pediatric Pulmonology, 2020, 55, 1448-1455.	2.0	11
30	The Swiss Cystic Fibrosis Infant Lung Development (SCILD) cohort. Swiss Medical Weekly, 2018, 148, w14618.	1.6	11
31	The clinical utility of lung clearance index in early cystic fibrosis lung disease is not impacted by the number of multiple-breath washout trials. ERJ Open Research, 2018, 4, 00094-2017.	2.6	10
32	Nasal Resistome Development in Infants With Cystic Fibrosis in the First Year of Life. Frontiers in Microbiology, 2019, 10, 212.	3.5	10
33	Withinâ€breath changes in respiratory system impedance in children with cystic fibrosis. Pediatric Pulmonology, 2019, 54, 737-742.	2.0	10
34	Leaks during multiple-breath washout: characterisation and influence on outcomes. ERJ Open Research, 2018, 4, 00012-2017.	2.6	9
35	Singleâ€breath washout and association with structural lung disease in children with cystic fibrosis. Pediatric Pulmonology, 2019, 54, 587-594.	2.0	7
36	Respiratory infection rates differ between geographically distant paediatric cystic fibrosis cohorts. ERJ Open Research, 2016, 2, 00014-2016.	2.6	6

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37	Impact of Spiroware re-analysis method on multiple-breath washout outcomes in children with cystic fibrosis. Journal of Cystic Fibrosis, 2022, 21, e208-e209.	0.7	6
38	The effect of 100% oxygen on tidal breathing parameters in preschool children. European Respiratory Journal, 2017, 49, 1601959.	6.7	5
39	Alternate gas washout indices: Assessment of ventilation inhomogeneity in mild to moderate pediatric cystic fibrosis lung disease. Pediatric Pulmonology, 2018, 53, 1485-1491.	2.0	5
40	Elucidating progression of early cystic fibrosis lung disease. European Respiratory Journal, 2017, 50, 1701916.	6.7	4
41	Are children born by cesarean delivery at higher risk for respiratory sequelae?. American Journal of Obstetrics and Gynecology, 2022, 226, 257.e1-257.e11.	1.3	4
42	Airways mucus pathogenesis in patients with non-cystic fibrosis bronchiectasis. , 2018, , .		4
43	Arsenic and Respiratory Disease. , 2015, , 335-347.		3
44	Association of lung clearance index with survival in individuals with cystic fibrosis. European Respiratory Journal, 2022, 59, 2100432.	6.7	3
45	Longitudinal course of clinically measured lung clearance index in children with cystic fibrosis. , 2020, , .		3
46	Quality of life is poorly correlated to lung disease severity in school-aged children with cystic fibrosis. Journal of Cystic Fibrosis, 2022, 21, e188-e203.	0.7	3
47	End-inspiratory molar mass step correction for analysis of infant multiple breath washout tests. Pediatric Pulmonology, 2017, 52, 10-13.	2.0	2
48	Shedding light into the black box of infant multipleâ€breath washout. Pediatric Pulmonology, 2021, 56, 2642-2653.	2.0	2
49	Feasibility of unsedated lung MRI in preschoolers with Cystic fibrosis â€“ a comparison to lung function. , 2020, , .		2
50	Respiratory symptoms do not reflect functional impairment in early CF lung disease. Journal of Cystic Fibrosis, 2021, 20, 957-964.	0.7	1
51	Repeatability of ventilation and perfusion assessment by functional MRI in children with CF. , 2018, , .		1
52	Does the mode of delivery influence respiratory outcomes in the first year of life?. , 2020, , .		1
53	Lung clearance index and functional MRI outcomes to assess lung disease in preschool children with cystic fibrosis. , 2020, , .		1
54	Inter-reader variation in lung segmentation of functional lung MRI quantification. , 2019, , .		1

#	Article	IF	Citations
55	Outcome differences in multiple-breath washout devices are explained primarily by sensor characteristics. , 2020, , .		1
56	Early Life Exposure To Arsenic And Influenza Has Additive Effects On Lung Function Impairment. , 2010, , .		0
57	Stepwise Changes In Lung Function And Growth With Age In Mice. , 2011, , .		0
58	Effect of intermittent inspiratory leaks on measurement of lung clearance index using nitrogen and sulfur hexafluoride. ERJ Open Research, 2018, 4, 00140-2018.	2.6	0
59	Early surveillance of infants and preschool children with cystic fibrosis. Current Opinion in Physiology, 2021, 22, 100443.	1.8	0
60	Emerging Early Life Environmental Exposures and Lung Development. Journal of Environmental Immunology and Toxicology, 2014, 2, 14.	1.1	0
61	Ability of the lung clearance index to detect inflammation and infection in preschool children with cystic fibrosis. , 2015, , .		0
62	Statistical properties of clinical trial outcome measures in pre-school aged children with cystic fibrosis. , 2015, , .		0
63	The effect of hyperoxia on tidal breathing in preschool children. , 2015, , .		0
64	Ability of the lung clearance index to monitor progression of early lung disease in children with cystic fibrosis. , 2016, , .		0
65	Possible predictors for allergic sensitization at school age in umbilical cord blood, a prospective birth cohort study. , 2018, , .		0
66	Normative data for the new setup of the SF6 multiple-breath washout in unsedated infants. , 2018, , .		0
67	Multiple Breath Washout in clinical routine: Quality control of N2MBW measurements in paediatric lung transplant recipients. , 2018, , .		0
68	Short- and mid-term reproducibility of lung clearance index in children with cystic fibrosis and healthy controls. , 2018, , .		0
69	Novel capnographic indices estimate ventilation inhomogeneity similarly to Lung Clearance Index. , 2019, , .		0
70	Simplified quality control criteria for the multiple breath washout technique. , 2019, , .		0
71	Lung clearance index tracks from preschool to school age in children with cystic fibrosis. , 2019, , .		0
72	Late Breaking Abstract - Association of lung clearance index with survival in patients with cystic fibrosis. , 2019, , .		0

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73	New method for quantification of ventilation and perfusion defects from functional lung MRI in children with Cystic fibrosis. , 2020, , .		0
74	Shedding light into the black box of infant multiple-breath washout. , 2020, , .		0