

# Gregory G King

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3843790/publications.pdf>

Version: 2024-02-01

91  
papers

3,446  
citations

147801

31  
h-index

149698

56  
g-index

91  
all docs

91  
docs citations

91  
times ranked

3471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiology of obesity and effects on lung function. <i>Journal of Applied Physiology</i> , 2010, 108, 206-211.	2.5	579
2	Technical standards for respiratory oscillometry. <i>European Respiratory Journal</i> , 2020, 55, 1900753.	6.7	311
3	Ventilation heterogeneity is a major determinant of airway hyperresponsiveness in asthma, independent of airway inflammation. <i>Thorax</i> , 2007, 62, 684-689.	5.6	199
4	<sc>T</sc>horacic <sc>S</sc>ociety of <sc>A</sc>ustralia and <sc>N</sc>ew <sc>Z</sc>ealand oxygen guidelines for acute oxygen use in adults: â€Swimming between the flagsâ€™. <i>Respirology</i> , 2015, 20, 1182-1191.	2.3	139
5	The role of the small airways in the clinical expression of asthma in adults. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 381-387.e1.	2.9	126
6	Phase 3 Randomized Study of the Efficacy and Safety of Inhaled Dry Powder Mannitol for the Symptomatic Treatment of Non-Cystic Fibrosis Bronchiectasis. <i>Chest</i> , 2013, 144, 215-225.	0.8	99
7	Airway Distensibility in Adults with Asthma and Healthy Adults, Measured by Forced Oscillation Technique. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 176, 129-137.	5.6	96
8	Obesity Is a Determinant of Asthma Control Independent of Inflammation and Lung Mechanics. <i>Chest</i> , 2011, 140, 659-666.	0.8	92
9	Ventilation heterogeneity predicts asthma control in adults following inhaled corticosteroid dose titration. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 61-68.	2.9	78
10	Peripheral lung function in patients with stable and unstable asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 1322-1328.	2.9	72
11	The mechanics of exaggerated airway narrowing in asthma: the role of smooth muscle. <i>Respiration Physiology</i> , 1999, 118, 1-13.	2.7	68
12	Pathophysiology of severe asthma: Weâ€™ve only just started. <i>Respirology</i> , 2018, 23, 262-271.	2.3	68
13	Clinical significance and applications of oscillometry. <i>European Respiratory Review</i> , 2022, 31, 210208.	7.1	64
14	The Relationship Between Airflow Obstruction, Emphysema Extent, and Small Airways Function in COPD. <i>Chest</i> , 2012, 142, 312-319.	0.8	61
15	Peripheral airway dysfunction and relationship with symptoms in smokers with preserved spirometry. <i>Respirology</i> , 2018, 23, 512-518.	2.3	52
16	Airway closure on imaging relates to airway hyperresponsiveness and peripheral airway disease in asthma. <i>Journal of Applied Physiology</i> , 2012, 113, 958-966.	2.5	51
17	Effect of airway smooth muscle tone on airway distensibility measured by the forced oscillation technique in adults with asthma. <i>Journal of Applied Physiology</i> , 2012, 112, 1494-1503.	2.5	49
18	Obesity, expiratory flow limitation and asthma symptoms. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 438-443.	2.6	49

#	ARTICLE	IF	CITATIONS
19	Effects of methacholine on small airway function measured by forced oscillation technique and multiple breath nitrogen washout in normal subjects. <i>Respiratory Physiology and Neurobiology</i> , 2005, 148, 165-177.	1.6	48
20	Mepolizumab improves small airway function in severe eosinophilic asthma. <i>Respiratory Medicine</i> , 2019, 148, 49-53.	2.9	47
21	Bronchodilator Response Assessed by the Forced Oscillation Technique Identifies Poor Asthma Control With Greater Sensitivity Than Spirometry. <i>Chest</i> , 2020, 157, 1435-1441.	0.8	47
22	Predictors of Airway Hyperresponsiveness Differ Between Old and Young Patients With Asthma. <i>Chest</i> , 2011, 139, 1395-1401.	0.8	46
23	The effect of low lung volume on airway function in obesity. <i>Respiratory Physiology and Neurobiology</i> , 2013, 188, 192-199.	1.6	44
24	V/Q SPECT: Utility for Investigation of Pulmonary Physiology. <i>Seminars in Nuclear Medicine</i> , 2010, 40, 467-473.	4.6	40
25	Profiling of healthy and asthmatic airway smooth muscle cells following interleukin-1 $\beta$ treatment: a novel role for CCL20 in chronic mucus hypersecretion. <i>European Respiratory Journal</i> , 2018, 52, 1800310.	6.7	38
26	Respiratory system reactance is an independent determinant of asthma control. <i>Journal of Applied Physiology</i> , 2013, 115, 1360-1369.	2.5	37
27	Reference equations for respiratory system resistance and reactance in adults. <i>Respiratory Physiology and Neurobiology</i> , 2010, 172, 162-168.	1.6	36
28	Advanced imaging in COPD: insights into pulmonary pathophysiology. <i>Journal of Thoracic Disease</i> , 2014, 6, 1570-85.	1.4	36
29	Respiratory system reactance reflects communicating lung volume in chronic obstructive pulmonary disease. <i>Journal of Applied Physiology</i> , 2019, 126, 1223-1231.	2.5	34
30	Day-to-day variability of oscillatory impedance and spirometry in asthma and COPD. <i>Respiratory Physiology and Neurobiology</i> , 2013, 185, 416-424.	1.6	33
31	Reduced lung elastic recoil and fixed airflow obstruction in asthma. <i>Respirology</i> , 2020, 25, 613-619.	2.3	33
32	Cutting edge technologies in respiratory research: Lung function testing. <i>Respirology</i> , 2011, 16, 883-890.	2.3	29
33	A "Good" muscle in a "Bad" environment: The importance of airway smooth muscle force adaptation to airway hyperresponsiveness. <i>Respiratory Physiology and Neurobiology</i> , 2011, 179, 269-275.	1.6	29
34	Peripheral ventilation heterogeneity determines the extent of bronchoconstriction in asthma. <i>Journal of Applied Physiology</i> , 2017, 123, 1188-1194.	2.5	28
35	Target oxygen saturation range: 92%–96% Versus 94%–98%. <i>Respirology</i> , 2017, 22, 200-202.	2.3	26
36	Association between peripheral airway function and neutrophilic inflammation in asthma. <i>Respirology</i> , 2015, 20, 975-981.	2.3	25

#	ARTICLE	IF	CITATIONS
37	Bronchodilator Responses in Respiratory Impedance, Hyperinflation and Gas Trapping in COPD. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2018, 15, 341-349.	1.6	24
38	Ventilation heterogeneity and oscillometry predict asthma control improvement following step-up inhaled therapy in uncontrolled asthma. Respirology, 2020, 25, 827-835.	2.3	24
39	Day-to-day variability of forced oscillatory mechanics for early detection of acute exacerbations in COPD. European Respiratory Journal, 2020, 56, 1901739.	6.7	23
40	Changes in oscillatory impedance and nitrogen washout with combination fluticasone/salmeterol therapy in COPD. Respiratory Medicine, 2014, 108, 344-350.	2.9	21
41	Determinants of peripheral airway function in adults with and without asthma. Respirology, 2017, 22, 1110-1117.	2.3	21
42	Discrepancy between in vivo and in vitro comparisons of forced oscillation devices. Journal of Clinical Monitoring and Computing, 2018, 32, 509-512.	1.6	21
43	Increased Day-to-Day Variability of Forced Oscillatory Resistance in Poorly Controlled or Persistent Pediatric Asthma. Chest, 2014, 146, 974-981.	0.8	20
44	Dismantling the pathophysiology of asthma using imaging. European Respiratory Review, 2019, 28, 180111.	7.1	20
45	The quantitative link of lung clearance index to bronchial segments affected by bronchiectasis. Thorax, 2018, 73, 82-84.	5.6	19
46	Caution in interpretation of abnormal carbon monoxide diffusion capacity in COVID-19 patients. European Respiratory Journal, 2021, 57, 2003263.	6.7	19
47	Airway smooth muscle tone increases airway responsiveness in healthy young adults. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L348-L357.	2.9	18
48	Improved respiratory system conductance following bronchodilator predicts reduced exertional dyspnoea. Respiratory Medicine, 2011, 105, 1345-1351.	2.9	16
49	Measurement duration impacts variability but not impedance measured by the forced oscillation technique in healthy, asthma and COPD subjects. ERJ Open Research, 2016, 2, 00094-2015.	2.6	16
50	Time-based pulmonary features from electrical impedance tomography demonstrate ventilation heterogeneity in chronic obstructive pulmonary disease. Journal of Applied Physiology, 2019, 127, 1441-1452.	2.5	16
51	The effect of airway remodelling on airway hyper-responsiveness in asthma. Respiratory Medicine, 2011, 105, 1798-1804.	2.9	15
52	Bronchodilator responsiveness of peripheral airways in smokers with normal spirometry. Respirology, 2016, 21, 1270-1276.	2.3	15
53	Toward Predicting Individual Risk in Asthma Using Daily Home Monitoring of Resistance. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 265-267.	5.6	15
54	Smooth muscle in human bronchi is disposed to resist airway distension. Respiratory Physiology and Neurobiology, 2016, 229, 51-58.	1.6	13

#	ARTICLE	IF	CITATIONS
55	Early onset of airway derecruitment assessed using the forced oscillation technique in subjects with asthma. <i>Journal of Applied Physiology</i> , 2019, 126, 1399-1408.	2.5	13
56	Lung elastic recoil and ventilation heterogeneity of diffusion-dependent airways in older people with asthma and fixed airflow obstruction. <i>European Respiratory Journal</i> , 2019, 53, 1801028.	6.7	12
57	Fixed Airflow Obstruction in Asthma: A Problem of the Whole Lung Not of Just the Airways. <i>Frontiers in Physiology</i> , 2022, 13, .	2.8	11
58	Oscillometry and Asthma Control in Patients With and Without Fixed Airflow Obstruction. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 1260-1267.e1.	3.8	10
59	Thoracic Society of Australia and New Zealand Position Statement on Acute Oxygen Use in Adults: "Swimming between the flags"™. <i>Respirology</i> , 2022, 27, 262-276.	2.3	10
60	A locally constrained statistical shape model for robust nasal cavity segmentation in computed tomography. , 2016, , .		9
61	&lt;p&gt;Relationships Between Forced Oscillatory Impedance and 6-minute Walk Distance After Pulmonary Rehabilitation in COPD&lt;/p&gt;. <i>International Journal of COPD</i> , 2020, Volume 15, 157-166.	2.3	9
62	Current and emerging imaging in relation to drug discovery in airways disease. <i>Pulmonary Pharmacology and Therapeutics</i> , 2011, 24, 497-504.	2.6	8
63	Airway remodelling in asthma: It's not going away. <i>Respirology</i> , 2016, 21, 203-204.	2.3	8
64	Automated quality control of forced oscillation measurements: respiratory artifact detection with advanced feature extraction. <i>Journal of Applied Physiology</i> , 2017, 123, 781-789.	2.5	8
65	SPECT Ventilation Imaging in Asthma. <i>Seminars in Nuclear Medicine</i> , 2019, 49, 11-15.	4.6	8
66	Long-term Variability of Oscillatory Impedance in Stable Obstructive Airways Disease. <i>European Respiratory Journal</i> , 2021, 58, 2004318.	6.7	8
67	Tomographic Imaging of Small Airways. <i>Respiration</i> , 2012, 84, 265-274.	2.6	7
68	Contribution of peripheral airway function to changes in FEV1/FVC and RV/TLC with aging. <i>Journal of Applied Physiology</i> , 2018, 125, 1378-1383.	2.5	7
69	Technical standards for respiratory oscillometry: test loads for calibration and verification. <i>European Respiratory Journal</i> , 2020, 56, 2003369.	6.7	7
70	Normal limits for oscillometric bronchodilator responses and relationships with clinical factors. <i>ERJ Open Research</i> , 2021, 7, 00439-2021.	2.6	7
71	Application of texture analysis to ventilation SPECT/CT data. <i>Computerized Medical Imaging and Graphics</i> , 2011, 35, 438-450.	5.8	6
72	Dynamic compliance and reactance in older non-smokers with asthma and fixed airflow obstruction. <i>European Respiratory Journal</i> , 2021, 58, 2004400.	6.7	6

#	ARTICLE	IF	CITATIONS
73	Within-session variability as quality control for oscillometry in health and disease. ERJ Open Research, 2021, 7, 00074-2021.	2.6	5
74	Effect of combination inhaled therapy on ventilation distribution measured by SPECT/CT imaging in uncontrolled asthma. Journal of Applied Physiology, 2021, 131, 621-629.	2.5	5
75	Controlled <i>versus</i> free breathing for multiple breath nitrogen washout in healthy adults. ERJ Open Research, 2021, 7, 00435-2020.	2.6	5
76	The fluorescence enzyme immunoassay has greater utility than the gel precipitin test for the detection of specific IgG antibodies to <i>Aspergillus fumigatus</i> in the diagnosis of allergic bronchopulmonary aspergillosis. Pathology, 2020, 52, 497-499.	0.6	4
77	Airway smooth muscle cells from severe asthma patients with fixed airflow obstruction are responsive to steroid and bronchodilator treatment in vitro. ERJ Open Research, 2021, 7, 00117-2021.	2.6	4
78	Technical standards for respiratory oscillometry and bronchodilator response cut-offs. European Respiratory Journal, 2022, 59, 2102663.	6.7	4
79	COPD: Lessons learned, forging a fantastic future. Respiriology, 2017, 22, 632-633.	2.3	3
80	Longitudinal monitoring of asthma in the clinic using respiratory oscillometry. Respiriology, 2021, 26, 566-573.	2.3	3
81	Higher body mass index is associated with increased lung stiffness and less airway obstruction in individuals with asthma and fixed airflow obstruction. ERJ Open Research, 2021, 7, 00336-2020.	2.6	3
82	Obesity and the lungs: Not just a crush. Respiriology, 2019, 24, 502-503.	2.3	2
83	Controlled <i>versus</i> free breathing for multiple-breath nitrogen washout in asthma. ERJ Open Research, 2021, 7, 00487-2021.	2.6	2
84	Toward explaining fixed airflow obstruction in asthma. Journal of Allergy and Clinical Immunology, 2022, 149, 890-892.	2.9	2
85	Complex lung function in severe asthma: seeing is believing. European Respiratory Journal, 2016, 48, 294-296.	6.7	1
86	Unravelling the many faces of chronic obstructive pulmonary disease: A hitchhiker's guide to <i>COPD</i> . Respiriology, 2016, 21, 12-13.	2.3	1
87	Potential clinical utility for the multiple breath nitrogen washout. Respiriology, 2018, 23, 729-730.	2.3	1
88	Perception of Symptoms as the Next Frontier for Personalized Medicine. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 2651-2652.	3.8	1
89	Response. Chest, 2020, 158, 1283-1284.	0.8	1
90	Distribution of Air: Ventilation Distribution and Heterogeneity. Respiratory Medicine, 2018, , 61-76.	0.1	0

#	ARTICLE	IF	CITATIONS
91	Response. Chest, 2020, 158, 2698-2699.	0.8	0