

# Gregory G King

## List of Publications by Year in descending order

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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	Oscillometry and Asthma Control in Patients With and Without Fixed Airflow Obstruction. Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 1260-1267.e1.	3.8	10
2	Technical standards for respiratory oscillometry and bronchodilator response cut-offs. European Respiratory Journal, 2022, 59, 2102663.	6.7	4
3	Clinical significance and applications of oscillometry. European Respiratory Review, 2022, 31, 210208.	7.1	64
4	Thoracic Society of Australia and New Zealand Position Statement on Acute Oxygen Use in Adults: "Swimming between the flags"™. Respirology, 2022, 27, 262-276.	2.3	10
5	Toward explaining fixed airflow obstruction in asthma. Journal of Allergy and Clinical Immunology, 2022, 149, 890-892.	2.9	2
6	Fixed Airflow Obstruction in Asthma: A Problem of the Whole Lung Not of Just the Airways. Frontiers in Physiology, 2022, 13, .	2.8	11
7	Caution in interpretation of abnormal carbon monoxide diffusion capacity in COVID-19 patients. European Respiratory Journal, 2021, 57, 2003263.	6.7	19
8	Long-term Variability of Oscillatory Impedance in Stable Obstructive Airways Disease. European Respiratory Journal, 2021, 58, 2004318.	6.7	8
9	Longitudinal monitoring of asthma in the clinic using respiratory oscillometry. Respirology, 2021, 26, 566-573.	2.3	3
10	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
11	Dynamic compliance and reactance in older non-smokers with asthma and fixed airflow obstruction. European Respiratory Journal, 2021, 58, 2004400.	6.7	6
12	Within-session variability as quality control for oscillometry in health and disease. ERJ Open Research, 2021, 7, 00074-2021.	2.6	5
13	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
14	Normal limits for oscillometric bronchodilator responses and relationships with clinical factors. ERJ Open Research, 2021, 7, 00439-2021.	2.6	7
15	Controlled <i>versus</i> free breathing for multiple breath nitrogen washout in healthy adults. ERJ Open Research, 2021, 7, 00435-2020.	2.6	5
16	Controlled <i>versus</i> free breathing for multiple-breath nitrogen washout in asthma. ERJ Open Research, 2021, 7, 00487-2021.	2.6	2
17	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
18	Reduced lung elastic recoil and fixed airflow obstruction in asthma. Respirology, 2020, 25, 613-619.	2.3	33

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19	Technical standards for respiratory oscillometry: test loads for calibration and verification. <i>European Respiratory Journal</i> , 2020, 56, 2003369.	6.7	7
20	Response. <i>Chest</i> , 2020, 158, 2698-2699.	0.8	0
21	Perception of Symptoms as the Next Frontier for Personalized Medicine. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 2651-2652.	3.8	1
22	Response. <i>Chest</i> , 2020, 158, 1283-1284.	0.8	1
23	Day-to-day variability of forced oscillatory mechanics for early detection of acute exacerbations in COPD. <i>European Respiratory Journal</i> , 2020, 56, 1901739.	6.7	23
24	Ventilation heterogeneity and oscillometry predict asthma control improvement following step-up inhaled therapy in uncontrolled asthma. <i>Respirology</i> , 2020, 25, 827-835.	2.3	24
25	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
26	Technical standards for respiratory oscillometry. <i>European Respiratory Journal</i> , 2020, 55, 1900753.	6.7	311
27	<p>& Relationships Between Forced Oscillatory Impedance and 6-minute Walk Distance After Pulmonary Rehabilitation in COPD</p>. <i>International Journal of COPD</i> , 2020, Volume 15, 157-166.	2.3	9
28	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. <i>Pathology</i> , 2020, 52, 497-499.	0.6	4
29	Time-based pulmonary features from electrical impedance tomography demonstrate ventilation heterogeneity in chronic obstructive pulmonary disease. <i>Journal of Applied Physiology</i> , 2019, 127, 1441-1452.	2.5	16
30	Dismantling the pathophysiology of asthma using imaging. <i>European Respiratory Review</i> , 2019, 28, 180111.	7.1	20
31	Obesity and the lungs: Not just a crush. <i>Respirology</i> , 2019, 24, 502-503.	2.3	2
32	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
33	Mepolizumab improves small airway function in severe eosinophilic asthma. <i>Respiratory Medicine</i> , 2019, 148, 49-53.	2.9	47
34	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
35	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
36	SPECT Ventilation Imaging in Asthma. <i>Seminars in Nuclear Medicine</i> , 2019, 49, 11-15.	4.6	8

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37	Pathophysiology of severe asthma: Weâ€™ve only just started. <i>Respirology</i> , 2018, 23, 262-271.	2.3	68
38	The quantitative link of lung clearance index to bronchial segments affected by bronchiectasis. <i>Thorax</i> , 2018, 73, 82-84.	5.6	19
39	Peripheral airway dysfunction and relationship with symptoms in smokers with preserved spirometry. <i>Respirology</i> , 2018, 23, 512-518.	2.3	52
40	Discrepancy between in vivo and in vitro comparisons of forced oscillation devices. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 509-512.	1.6	21
41	Distribution of Air: Ventilation Distribution and Heterogeneity. <i>Respiratory Medicine</i> , 2018, , 61-76.	0.1	0
42	Potential clinical utility for the multiple breath nitrogen washout. <i>Respirology</i> , 2018, 23, 729-730.	2.3	1
43	Bronchodilator Responses in Respiratory Impedance, Hyperinflation and Gas Trapping in COPD. COPD: <i>Journal of Chronic Obstructive Pulmonary Disease</i> , 2018, 15, 341-349.	1.6	24
44	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
45	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
46	Toward Predicting Individual Risk in Asthma Using Daily Home Monitoring of Resistance. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 265-267.	5.6	15
47	Determinants of peripheral airway function in adults with and without asthma. <i>Respirology</i> , 2017, 22, 1110-1117.	2.3	21
48	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
49	COPD: Lessons learned, forging a fantastic future. <i>Respirology</i> , 2017, 22, 632-633.	2.3	3
50	Airway smooth muscle tone increases airway responsiveness in healthy young adults. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L348-L357.	2.9	18
51	Peripheral ventilation heterogeneity determines the extent of bronchoconstriction in asthma. <i>Journal of Applied Physiology</i> , 2017, 123, 1188-1194.	2.5	28
52	Target oxygen saturation range: 92â€“96% Versus 94â€“98%. <i>Respirology</i> , 2017, 22, 200-202.	2.3	26
53	Bronchodilator responsiveness of peripheral airways in smokers with normal spirometry. <i>Respirology</i> , 2016, 21, 1270-1276.	2.3	15
54	Complex lung function in severe asthma: seeing is believing. <i>European Respiratory Journal</i> , 2016, 48, 294-296.	6.7	1

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55	Airway remodelling in asthma: It's not going away. <i>Respirology</i> , 2016, 21, 203-204.	2.3	8
56	A locally constrained statistical shape model for robust nasal cavity segmentation in computed tomography. , 2016, , .		9
57	Measurement duration impacts variability but not impedance measured by the forced oscillation technique in healthy, asthma and COPD subjects. <i>ERJ Open Research</i> , 2016, 2, 00094-2015.	2.6	16
58	Smooth muscle in human bronchi is disposed to resist airway distension. <i>Respiratory Physiology and Neurobiology</i> , 2016, 229, 51-58.	1.6	13
59	Unravelling the many faces of chronic obstructive pulmonary disease: A hitchhiker's guide to <scp>COPD</scp>. <i>Respirology</i> , 2016, 21, 12-13.	2.3	1
60	Association between peripheral airway function and neutrophilic inflammation in asthma. <i>Respirology</i> , 2015, 20, 975-981.	2.3	25
61	<scp>T</scp>horacic <scp>S</scp>ociety of <scp>A</scp>ustralia and <scp>N</scp>ew <scp>Z</scp>ealand oxygen guidelines for acute oxygen use in adults: â€Swimming between the flagsâ€™. <i>Respirology</i> , 2015, 20, 1182-1191.	2.3	139
62	Changes in oscillatory impedance and nitrogen washout with combination fluticasone/salmeterol therapy in COPD. <i>Respiratory Medicine</i> , 2014, 108, 344-350.	2.9	21
63	Increased Day-to-Day Variability of Forced Oscillatory Resistance in Poorly Controlled or Persistent Pediatric Asthma. <i>Chest</i> , 2014, 146, 974-981.	0.8	20
64	Advanced imaging in COPD: insights into pulmonary pathophysiology. <i>Journal of Thoracic Disease</i> , 2014, 6, 1570-85.	1.4	36
65	Obesity, expiratory flow limitation and asthma symptoms. <i>Pulmonary Pharmacology and Therapeutics</i> , 2013, 26, 438-443.	2.6	49
66	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
67	The effect of low lung volume on airway function in obesity. <i>Respiratory Physiology and Neurobiology</i> , 2013, 188, 192-199.	1.6	44
68	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
69	Respiratory system reactance is an independent determinant of asthma control. <i>Journal of Applied Physiology</i> , 2013, 115, 1360-1369.	2.5	37
70	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
71	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
72	The Relationship Between Airflow Obstruction, Emphysema Extent, and Small Airways Function in COPD. <i>Chest</i> , 2012, 142, 312-319.	0.8	61

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73	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
74	Tomographic Imaging of Small Airways. <i>Respiration</i> , 2012, 84, 265-274.	2.6	7
75	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
76	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
77	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
78	Improved respiratory system conductance following bronchodilator predicts reduced exertional dyspnoea. <i>Respiratory Medicine</i> , 2011, 105, 1345-1351.	2.9	16
79	The effect of airway remodelling on airway hyper-responsiveness in asthma. <i>Respiratory Medicine</i> , 2011, 105, 1798-1804.	2.9	15
80	Obesity Is a Determinant of Asthma Control Independent of Inflammation and Lung Mechanics. <i>Chest</i> , 2011, 140, 659-666.	0.8	92
81	Predictors of Airway Hyperresponsiveness Differ Between Old and Young Patients With Asthma. <i>Chest</i> , 2011, 139, 1395-1401.	0.8	46
82	Cutting edge technologies in respiratory research: Lung function testing. <i>Respirology</i> , 2011, 16, 883-890.	2.3	29
83	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
84	Application of texture analysis to ventilation SPECT/CT data. <i>Computerized Medical Imaging and Graphics</i> , 2011, 35, 438-450.	5.8	6
85	Reference equations for respiratory system resistance and reactance in adults. <i>Respiratory Physiology and Neurobiology</i> , 2010, 172, 162-168.	1.6	36
86	V/Q SPECT: Utility for Investigation of Pulmonary Physiology. <i>Seminars in Nuclear Medicine</i> , 2010, 40, 467-473.	4.6	40
87	Physiology of obesity and effects on lung function. <i>Journal of Applied Physiology</i> , 2010, 108, 206-211.	2.5	579
88	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
89	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
90	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

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91	The mechanics of exaggerated airway narrowing in asthma: the role of smooth muscle. <i>Respiration Physiology</i> , 1999, 118, 1-13.	2.7	68