Walter T Mcnicholas

List of Publications by Year in descending order

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136 papers 10,514 citations

52 h-index 100 g-index

139 all docs

139 docs citations

times ranked

139

8159 citing authors

#	Article	IF	CITATIONS
1	Selective Activation of Inflammatory Pathways by Intermittent Hypoxia in Obstructive Sleep Apnea Syndrome. Circulation, 2005, 112, 2660-2667.	1.6	793
2	Sleep apnoea as an independent risk factor for cardiovascular disease: current evidence, basic mechanisms and research priorities. European Respiratory Journal, 2006, 29, 156-178.	6.7	731
3	Obstructive sleep apnoea syndrome. Nature Reviews Disease Primers, 2015, 1, 15015.	30.5	681
4	An Official ATS Statement: Grading the Quality of Evidence and Strength of Recommendations in ATS Guidelines and Recommendations. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 605-614.	5.6	528
5	Long-term Effects of Nasal Continuous Positive Airway Pressure Therapy on Cardiovascular Outcomes in Sleep Apnea Syndrome. Chest, 2005, 127, 2076-2084.	0.8	439
6	Predictors of Elevated Nuclear Factor-κB–dependent Genes in Obstructive Sleep Apnea Syndrome. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 824-830.	5.6	325
7	Definition, discrimination, diagnosis and treatment of central breathing disturbances during sleep. European Respiratory Journal, 2017, 49, 1600959.	6.7	239
8	Hypoxemia in patients with COPD: cause, effects, and disease progression. International Journal of COPD, 2011, 6, 199.	2.3	222
9	Diagnosis of Obstructive Sleep Apnea in Adults. Proceedings of the American Thoracic Society, 2008, 5, 154-160.	3.5	211
10	Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 692-700.	5.6	207
11	Diabetes Mellitus Prevalence and Control in Sleep-Disordered Breathing. Chest, 2014, 146, 982-990.	0.8	192
12	Recommendations for the management of patients with obstructive sleep apnoea and hypertension. European Respiratory Journal, 2013, 41, 523-538.	6.7	190
13	On the rise and fall of the apneaâ^'hypopnea index: A historical review and critical appraisal. Journal of Sleep Research, 2020, 29, e13066.	3.2	167
14	Challenges and perspectives in obstructive sleep apnoea. European Respiratory Journal, 2018, 52, 1702616.	6.7	166
15	Effect of Supplemental Nocturnal Oxygen on Gas Exchange in Patients with Severe Obstructive Lung Disease. New England Journal of Medicine, 1984, 310, 425-429.	27.0	153
16	COPD-OSA Overlap Syndrome. Chest, 2017, 152, 1318-1326.	0.8	145
17	Sleep disorders in COPD: the forgotten dimension. European Respiratory Review, 2013, 22, 365-375.	7.1	140
18	Obstructive Sleep Apnea and Inflammation. Progress in Cardiovascular Diseases, 2009, 51, 392-399.	3.1	135

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19	Long-acting inhaled anticholinergic therapy improves sleeping oxygen saturation in COPD. European Respiratory Journal, 2004, 23, 825-831.	6.7	127
20	Ventilation and Gas Exchange During Sleep and Exercise in Severe COPD. Chest, 1996, 109, 387-394.	0.8	123
21	Sleepiness at the wheel across Europe: a survey of 19 countries. Journal of Sleep Research, 2015, 24, 242-253.	3.2	123
22	Reversible hypercapnia in chronic obstructive pulmonary disease: A distinct pattern of respiratory failure with a favorable prognosis. American Journal of Medicine, 1997, 102, 239-244.	1.5	122
23	Upper Airway Obstruction during Sleep in Normal Subjects after Selective Topical Oropharyngeal Anesthesia ^{1â€"} ³ . The American Review of Respiratory Disease, 1987, 135, 1316-1319.	2.9	118
24	Cardiovascular risk markers in obstructive sleep apnoea syndrome and correlation with obesity. Thorax, 2007, 62, 509-514.	5.6	118
25	Nocturnal intermittent hypoxia predicts prevalent hypertension in the European Sleep Apnoea Database cohort study. European Respiratory Journal, 2014, 44, 931-941.	6.7	118
26	Clinical Phenotypes and Comorbidity in European Sleep Apnoea Patients. PLoS ONE, 2016, 11, e0163439.	2.5	118
27	A critical role for p38 map kinase in NF-κB signaling during intermittent hypoxia/reoxygenation. Biochemical and Biophysical Research Communications, 2007, 355, 728-733.	2.1	106
28	Obstructive sleep apnea and inflammation: Relationship to cardiovascular co-morbidity. Respiratory Physiology and Neurobiology, 2011, 178, 475-481.	1.6	106
29	Theophylline Improves Gas Exchange during Rest, Exercise, and Sleep in Severe Chronic Obstructive Pulmonary Disease. The American Review of Respiratory Disease, 1993, 148, 1030-1036.	2.9	104
30	Impact of Sleep in COPD. Chest, 2000, 117, 48S-53S.	0.8	103
31	Sleep/wake measurement using a non-contact biomotion sensor. Journal of Sleep Research, 2011, 20, 356-366.	3.2	100
32	The diagnostic method has a strong influence on classification of obstructive sleep apnea. Journal of Sleep Research, 2015, 24, 730-738.	3.2	95
33	Public health and medicolegal implications of sleep apnoea. European Respiratory Journal, 2002, 20, 1594-1609.	6.7	91
34	Abnormal Respiratory Pattern Generation during Sleep in Patients with Autonomic Dysfunction. The American Review of Respiratory Disease, 1983, 128, 429-433.	2.9	90
35	Intermittent hypoxia and activation of inflammatory molecular pathways in OSAS. Archives of Physiology and Biochemistry, 2008, 114, 261-266.	2.1	90
36	Sleep quality in chronic obstructive pulmonary disease. Respirology, 2012, 17, 1119-1124.	2.3	89

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37	Theophylline in Obstructive Sleep Apnea. Chest, 1992, 101, 753-757.	0.8	86
38	Insulin resistance, glucose intolerance and diabetes mellitus in obstructive sleep apnoea. Journal of Thoracic Disease, 2015, 7, 1343-57.	1.4	83
39	Sleep apnoea management in Europe during the COVID-19 pandemic: data from the European Sleep Apnoea Database (ESADA). European Respiratory Journal, 2020, 55, 2001323.	6.7	77
40	Effects of Nasal Airflow on Breathing during Sleep in Normal Humans. The American Review of Respiratory Disease, 1993, 147, 620-623.	2.9	75
41	European Respiratory Society guideline on non-CPAP therapies for obstructive sleep apnoea. European Respiratory Review, 2021, 30, 210200.	7.1	75
42	Sleep in chronic respiratory disease: COPD and hypoventilation disorders. European Respiratory Review, 2019, 28, 190064.	7.1	69
43	Impact of Nasal Continuous Positive Airway Pressure Therapy on the Quality of Life of Bed Partners of Patients With Obstructive Sleep Apnea Syndrome. Chest, 2003, 124, 2209-2214.	0.8	67
44	Sleep apnoea severity independently predicts glycaemic health in nondiabetic subjects: the ESADA study. European Respiratory Journal, 2014, 44, 130-139.	6.7	65
45	Human adipocytes are highly sensitive to intermittent hypoxia induced NF-kappaB activity and subsequent inflammatory gene expression. Biochemical and Biophysical Research Communications, 2014, 447, 660-665.	2.1	63
46	Predictors of Decreased Spontaneous Baroreflex Sensitivity in Obstructive Sleep Apnea Syndrome. Chest, 2007, 131, 1100-1107.	0.8	62
47	Severity of obstructive sleep apnoea predicts coronary artery plaque burden: a coronary computed tomographic angiography study. European Respiratory Journal, 2013, 42, 1263-1270.	6.7	61
48	EAN/ERS/ESO/ESRS statement on the impact of sleep disorders on risk and outcome of stroke. European Respiratory Journal, 2020, 55, 1901104.	6.7	61
49	Controlled oxygen therapy and carbon dioxide retention during exacerbations of chronic obstructive pulmonary disease. Lancet, The, 2001, 357, 526-528.	13.7	56
50	Clinical prediction of the sleep apnea syndrome. Sleep Medicine Reviews, 1997, 1, 19-32.	8.5	54
51	Cardiovascular outcomes of CPAP therapy in obstructive sleep apnea syndrome. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R1666-R1670.	1.8	53
52	Comparison of Oxygen Desaturation during Sleep and Exercise in Patients with Cystic Fibrosis. Chest, 1991, 100, 659-662.	0.8	52
53	Obstructive sleep apnoea syndrome: Translating science to clinical practice. Respirology, 2006, 11, 136-144.	2.3	52
54	Assessment of sleepâ€disordered breathing using a nonâ€contact bioâ€motion sensor. Journal of Sleep Research, 2013, 22, 231-236.	3.2	52

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55	Effects of Heated Humidification and Topical Steroids on Compliance, Nasal Symptoms, and Quality of Life in Patients with Obstructive Sleep Apnea Syndrome Using Nasal Continuous Positive Airway Pressure. Journal of Clinical Sleep Medicine, 2009, 05, 422-427.	2.6	52
56	Bed Partners' Assessment of Nasal Continuous Positive Airway Pressure Therapy in Obstructive Sleep Apnea. Chest, 1997, 111, 1261-1265.	0.8	50
57	Mild obstructive sleep apnoea: clinical relevance and approaches to management. Lancet Respiratory Medicine,the, 2016, 4, 826-834.	10.7	49
58	Effects of Salmeterol on Sleeping Oxygen Saturation in Chronic Obstructive Pulmonary Disease. Respiration, 2010, 79, 475-481.	2.6	48
59	European Respiratory Society statement on sleep apnoea, sleepiness and driving risk. European Respiratory Journal, 2021, 57, 2001272.	6.7	48
60	Driving habits and risk factors for traffic accidents among sleep apnea patients – a <scp>E</scp> uropean multiâ€eentre cohort study. Journal of Sleep Research, 2014, 23, 689-699.	3.2	46
61	Bidirectional relationships of comorbidity with obstructive sleep apnoea. European Respiratory Review, 2022, 31, 210256.	7.1	46
62	Respiratory mechanics and ventilatory control in overlap syndrome and obesity hypoventilation. Respiratory Research, 2013, 14, 132.	3.6	45
63	Challenges in obstructive sleep apnoea. Lancet Respiratory Medicine, the, 2018, 6, 170-172.	10.7	45
64	Obstructive sleep apnea in chronic obstructive pulmonary disease patients. Current Opinion in Pulmonary Medicine, 2011, 17, 79-83.	2.6	43
65	Obstructive sleep apnea: transition from pathophysiology to an integrative disease model. Journal of Sleep Research, 2022, 31, .	3.2	43
66	The genetics of obstructive sleep apnoea. Current Opinion in Pulmonary Medicine, 2010, 16, 536-542.	2.6	39
67	Genioglossus fatigue in obstructive sleep apnea. Respiratory Physiology and Neurobiology, 2012, 183, 59-66.	1.6	38
68	Obstructive sleep apnoea as a cause of nocturnal nondipping blood pressure: recent evidence regarding clinical importance and underlying mechanisms. European Respiratory Journal, 2017, 49, 1601818.	6.7	37
69	Mild obstructive sleep apnea increases hypertension risk, challenging traditional severity classification. Journal of Clinical Sleep Medicine, 2020, 16, 889-898.	2.6	37
70	Electrocardiogram Recording as a Screening Tool for Sleep Disordered Breathing. Journal of Clinical Sleep Medicine, 2008, 04, 223-228.	2.6	36
71	Comorbid obstructive sleep apnoea and chronic obstructive pulmonary disease and the risk of cardiovascular disease. Journal of Thoracic Disease, 2018, 10, S4253-S4261.	1.4	36
72	Evaluation of a multicomponent grading system for obstructive sleep apnoea: the Baveno classification. ERJ Open Research, 2021, 7, 00928-2020.	2.6	36

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73	A portable automated assessment tool for sleep apnea using a combined Holter-oximeter. Sleep, 2008, 31, 1432-9.	1.1	36
74	Clusters of sleep apnoea phenotypes: A large panâ€European study from the European Sleep Apnoea Database (ESADA). Respirology, 2021, 26, 378-387.	2.3	34
75	New rules on driver licensing for patients with obstructive sleep apnoea: EU Directive 2014/85/EU. European Respiratory Journal, 2016, 47, 39-41.	6.7	32
76	Invariant Natural Killer T Cell Deficiency and Functional Impairment in Sleep Apnea: Links to Cancer Comorbidity. Sleep, 2015, 38, 1629-1634.	1.1	31
77	Nondipping Nocturnal Blood Pressure Predicts Sleep Apnea in Patients With Hypertension. Journal of Clinical Sleep Medicine, 2019, 15, 957-963.	2.6	31
78	Chronic obstructive pulmonary disease and obstructive sleep apnoea-the overlap syndrome. Journal of Thoracic Disease, 2016, 8, 236-42.	1.4	31
79	Effects of heated humidification and topical steroids on compliance, nasal symptoms, and quality of life in patients with obstructive sleep apnea syndrome using nasal continuous positive airway pressure. Journal of Clinical Sleep Medicine, 2009, 5, 422-7.	2.6	31
80	Reflex respiratory response to changes in upper airway pressure in the anaesthetized rat. Journal of Physiology, 2001, 537, 251-265.	2.9	30
81	Fixed But Not Autoadjusting Positive Airway Pressure Attenuates the Time-dependent Decline in Glomerular Filtration Rate in Patients With OSA. Chest, 2018, 154, 326-334.	0.8	30
82	Comparison of a novel nonâ€contact biomotion sensor with wrist actigraphy in estimating sleep quality in patients with obstructive sleep apnoea. Journal of Sleep Research, 2014, 23, 475-484.	3.2	29
83	Sleep apnoea and driving risk: the need for regulation. European Respiratory Review, 2015, 24, 602-606.	7.1	29
84	Variability in recording and scoring of respiratory events during sleep in Europe: a need for uniform standards. Journal of Sleep Research, 2016, 25, 144-157.	3.2	28
85	CrossTalk proposal: Metabolic syndrome causes sleep apnoea. Journal of Physiology, 2016, 594, 4687-4690.	2.9	28
86	Obstructive sleep apnoea and comorbidity – an overview of the association and impact of continuous positive airway pressure therapy. Expert Review of Respiratory Medicine, 2019, 13, 251-261.	2.5	27
87	Improved surface EMG electrode for measuring genioglossus muscle activity. Respiratory Physiology and Neurobiology, 2007, 159, 55-67.	1.6	25
88	Excessive Daytime Sleepiness in Obstructive Sleep Apnea Patients Treated With Continuous Positive Airway Pressure: Data From the European Sleep Apnea Database. Frontiers in Neurology, 2021, 12, 690008.	2.4	24
89	The Sleep Revolution project: the concept and objectives. Journal of Sleep Research, 2022, 31, .	3.2	24
90	Genetic aspects of hypertension and metabolic disease in the obstructive sleep apnoea–hypopnoea syndrome. Sleep Medicine Reviews, 2008, 12, 49-63.	8.5	23

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91	New rules on driver licensing for patients with obstructive sleep apnea: European Union Directive 2014/85/EU. Journal of Sleep Research, 2016, 25, 3-4.	3.2	23
92	Clinical presentation of patients with suspected obstructive sleep apnea and selfâ€reported physicianâ€diagnosed asthma in the <scp>ESADA</scp> cohort. Journal of Sleep Research, 2018, 27, e12729.	3.2	22
93	Cancer prevalence is increased in females with sleep apnoea: data from the ESADA study. European Respiratory Journal, 2019, 53, 1900091.	6.7	22
94	Sleep-related disorders in chronic obstructive pulmonary disease. Expert Review of Respiratory Medicine, 2014, 8, 79-88.	2.5	21
95	Technologic advances in the assessment and management of obstructive sleep apnoea beyond the apnoea-hypopnoea index: a narrative review. Journal of Thoracic Disease, 2020, 12, 5020-5038.	1.4	21
96	Effects of topical anesthesia on upper airway resistance during wake-sleep transitions. Journal of Applied Physiology, 2005, 99, 549-555.	2.5	19
97	A Portable Automated Assessment Tool for Sleep Apnea Using a Combined Holter-Oximeter. Sleep, 2008,	1.1	19
98	Continuous positive airway pressure therapy and cardiovascular outcomes in obstructive sleep apnoea syndrome: where are we now?. Journal of Thoracic Disease, 2016, 8, E1644-E1646.	1.4	17
99	Ambulatory detection of sleep apnea using a nonâ€contact biomotion sensor. Journal of Sleep Research, 2020, 29, e12889.	3.2	17
100	Treatment choice by patients with obstructive sleep apnea: data from two centers in China. Journal of Thoracic Disease, 2018, 10, 1941-1950.	1.4	15
101	A pilot study of the nocturnal respiration rates in COPD patients in the home environment using a non-contact biomotion sensor. Physiological Measurement, 2014, 35, 2513-2527.	2.1	14
102	Management of obstructive sleep apnea in Europe – A 10-year follow-up. Sleep Medicine, 2022, 97, 64-72.	1.6	13
103	Sleepiness and Driving. Sleep Medicine Clinics, 2019, 14, 491-498.	2.6	10
104	Sleep medicine catalogue of knowledge and skills – Revision. Journal of Sleep Research, 2021, 30, e13394.	3.2	10
105	Screening for sleep-disordered breathing: the continuing search for a reliable predictive questionnaire. Lancet Respiratory Medicine, the, 2016, 4, 683-685.	10.7	9
106	Obstructive sleep apnoea of mild severity. Current Opinion in Pulmonary Medicine, 2017, 23, 506-511.	2.6	9
107	Non-dipping nocturnal blood pressure correlates with obstructive sleep apnoea severity in normotensive subjects and may reverse with therapy. ERJ Open Research, 2021, 7, 00338-2021.	2.6	9
108	The Impact of Telehealth on the Organization of the Health System and Integrated Care. Sleep Medicine Clinics, 2020, 15, 431-440.	2.6	8

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109	Sleep apnoea: a major and under-recognised public health concern. Journal of Thoracic Disease, 2015, 7, 1269-72.	1.4	8
110	Disturbed sleep and COPD outcomes: Cart meets horse. Sleep Medicine, 2012, 13, 453-454.	1.6	7
111	Upper lobe bronchiectasis in the yellow nail syndrome : Report of a case. Irish Journal of Medical Science, 1984, 153, 394-395.	1.5	6
112	Effects of (nCPAP) on cardiac function awake and asleep. Journal of Sleep Research, 1995, 4, 59-63.	3.2	6
113	Sleep apnoea and hypertension: time for recommendations. European Respiratory Journal, 2013, 41, 505-506.	6.7	6
114	Diagnostic accuracy of carotid intima media thickness in predicting coronary plaque burden on coronary computed tomography angiography in patients with obstructive sleep apnoea. Journal of Cardiovascular Computed Tomography, 2017, 11, 227-233.	1.3	6
115	Introducing a core curriculum for respiratory sleep practitioners. Breathe, 2015, 11, 50-56.	1.3	5
116	Sleep and breathing disorders: a multidisciplinary approach. European Respiratory Review, 2013, 22, 197-198.	7.1	4
117	Screening for diabetes mellitus in patients with OSAS: a case for glycosylated haemoglobin. European Respiratory Journal, 2012, 40, 273-274.	6.7	3
118	Diagnostic criteria for obstructive sleep apnea: time for reappraisal. Journal of Thoracic Disease, 2018, 10, 531-533.	1.4	3
119	Does Associated Chronic Obstructive Pulmonary Disease Increase Morbidity and Mortality in Obstructive Sleep Apnea?. Annals of the American Thoracic Society, 2019, 16, 50-53.	3.2	3
120	Active management of mild obstructive sleep apnoea: the evidence grows. Lancet Respiratory Medicine, the, 2020, 8, 322-323.	10.7	3
121	Reliability of the Turkish version of the European Obstructive Sleep Apnea Screening (EUROSAS) questionnaire for drivers. Sleep and Breathing, 2021, 25, 907-913.	1.7	3
122	Positive airway pressure (PAP) treatment reduces glycated hemoglobin (HbA1c) levels in obstructive sleep apnea patients with concomitant weight loss: Longitudinal data from the ESADA. Journal of Sleep Research, 2021, 30, e13331.	3.2	3
123	The European Sleep Research Society – past, present and future. Journal of Sleep Research, 2022, , e13601.	3.2	3
124	Chronic Obstructive Pulmonary Disease–Obstructive Sleep Apnea Overlap: More Than a Casual Acquaintance. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 139-141.	5.6	3
125	Sleep duration and physical function in people with severe obesity: a prospective cross-sectional study. Irish Journal of Medical Science, 2020, 189, 517-523.	1.5	2
126	Getting More from the Sleep Recording. Sleep Medicine Clinics, 2021, 16, 567-574.	2.6	2

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127	Driving risk in obstructive sleep apnoea: Do new European regulations contribute to safer roads?. Expert Review of Respiratory Medicine, 2016, 10, 473-475.	2.5	2
128	Identifying and treating obstructive sleep apnea in sleepy drivers: Everybody wins. Journal of Sleep Research, 2018, 27, e12787.	3.2	1
129	Sleepiness Behind the Wheel and the Implementation of European Driving Regulations. Sleep Medicine Clinics, 2021, 16, 533-543.	2.6	1
130	Rebuttal from Alexandros N. Vgontzas, Jordan Gaines, Silke Ryan and Walter T. McNicholas. Journal of Physiology, 2016, 594, 4695-4695.	2.9	0
131	Obstructive sleep apnoea and cardiovascular comorbidityâ€"growing evidence of independent association but recent doubts about benefits from therapy. Journal of Thoracic Disease, 2018, 10, S4186-S4188.	1.4	0
132	Response. Chest, 2018, 154, 225-226.	0.8	0
133	Sleep Disturbances and Disorders: A Poorly Recognized Accident Risk. Sleep Medicine Clinics, 2019, 14, xiii-xiv.	2.6	0
134	Comment to the Editorial by KS Park and EW Kang "ls only fixed positive airway pressure a robust tool for kidney protection in patients with obstructive sleep apnea?― Journal of Thoracic Disease, 2019, 11, S480-S482.	1.4	0
135	Medico Legal and Economic Aspects of OSA. , 2022, , 261-266.		0
136	Impact of other respiratory conditions and disorders during sleep. , 2023, , 521-528.		0