

Najib Ayas

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

7,085
citations

136950

32
h-index

62596

80
g-index

113
all docs

113
docs citations

113
times ranked

7719
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of the global prevalence and burden of obstructive sleep apnoea: a literature-based analysis. <i>Lancet Respiratory Medicine</i> , 2019, 7, 687-698.	10.7	1,866
2	A Prospective Study of Sleep Duration and Coronary Heart Disease in Women. <i>Archives of Internal Medicine</i> , 2003, 163, 205.	3.8	957
3	Diagnosis and Initial Management of Obstructive Sleep Apnea without Polysomnography. <i>Annals of Internal Medicine</i> , 2007, 146, 157.	3.9	321
4	Epidemiology, Risk Factors, and Consequences of Obstructive Sleep Apnea and Short Sleep Duration. <i>Progress in Cardiovascular Diseases</i> , 2009, 51, 285-293.	3.1	310
5	The RECOVER Program: Disability Risk Groups and 1-Year Outcome after 7 or More Days of Mechanical Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 831-844.	5.6	272
6	Impact of Continuous Positive Airway Pressure Therapy on Blood Pressure in Patients with Obstructive Sleep Apnea Hypopnea: A Meta-analysis of Randomized Controlled Trials. <i>Lung</i> , 2007, 185, 67-72.	3.3	249
7	Will This Hemodynamically Unstable Patient Respond to a Bolus of Intravenous Fluids?. <i>JAMA - Journal of the American Medical Association</i> , 2016, 316, 1298.	7.4	227
8	The Economic Impact of Obstructive Sleep Apnea. <i>Lung</i> , 2008, 186, 7-12.	3.3	214
9	Moral distress in intensive care unit professionals is associated with profession, age, and years of experience. <i>Journal of Critical Care</i> , 2016, 31, 178-182.	2.2	167
10	Metrics of sleep apnea severity: beyond the apnea-hypopnea index. <i>Sleep</i> , 2021, 44, .	1.1	154
11	Cost-effectiveness of Continuous Positive Airway Pressure Therapy for Moderate to Severe Obstructive Sleep Apnea/Hypopnea. <i>Archives of Internal Medicine</i> , 2006, 166, 977.	3.8	131
12	Predictors of Continuous Positive Airway Pressure Adherence in Patients with Obstructive Sleep Apnea. <i>Lung</i> , 2019, 197, 115-121.	3.3	120
13	Comparative efficacy of CPAP, MADs, exercise-training, and dietary weight loss for sleep apnea: a network meta-analysis. <i>Sleep Medicine</i> , 2017, 30, 7-14.	1.6	106
14	Obstructive Sleep Apnea and Kidney Disease: A Potential Bidirectional Relationship?. <i>Journal of Clinical Sleep Medicine</i> , 2015, 11, 915-924.	2.6	102
15	Epidemiology of Sleep Disturbances and Cardiovascular Consequences. <i>Canadian Journal of Cardiology</i> , 2015, 31, 873-879.	1.7	93
16	Diagnosis and treatment of obstructive sleep apnea in adults. <i>Cmaj</i> , 2017, 189, E1481-E1488.	2.0	93
17	Cardiovascular Outcomes and All-Cause Mortality in Patients with Obstructive Sleep Apnea and Chronic Obstructive Pulmonary Disease (Overlap Syndrome). <i>Annals of the American Thoracic Society</i> , 2019, 16, 71-81.	3.2	72
18	Cardiovascular Complications of Sleep Apnea: Role of Oxidative Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-10.	4.0	71

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19	Biomarkers of dementia in obstructive sleep apnea. <i>Sleep Medicine Reviews</i> , 2018, 42, 139-148.	8.5	63
20	Depression and Sleep-Related Symptoms in an Adult, Indigenous, North American Population. <i>Journal of Clinical Sleep Medicine</i> , 2008, 04, 356-361.	2.6	63
21	The Effect of OSA on Work Disability and Work-Related Injuries. <i>Chest</i> , 2015, 147, 1422-1428.	0.8	58
22	Cardiovascular Events in Obstructive Sleep Apnea – Can CPAP Therapy SAVE Lives?. <i>New England Journal of Medicine</i> , 2016, 375, 994-996.	27.0	55
23	Cardiovascular Consequences of Sleep Apnea. <i>Lung</i> , 2012, 190, 113-132.	3.3	54
24	Chronic intermittent hypoxia causes endothelial dysfunction in a mouse model of diet-induced obesity. <i>Sleep Medicine</i> , 2014, 15, 596-602.	1.6	49
25	Impaired Sleep Quality in COPD Is Associated With Exacerbations. <i>Chest</i> , 2019, 156, 852-863.	0.8	47
26	New frontiers in obstructive sleep apnoea. <i>Clinical Science</i> , 2014, 127, 209-216.	4.3	46
27	Insights into obstructive sleep apnea research. <i>Sleep Medicine</i> , 2014, 15, 485-495.	1.6	46
28	Initial use of portable monitoring versus polysomnography to confirm obstructive sleep apnea in symptomatic patients: An economic decision model. <i>Sleep Medicine</i> , 2010, 11, 320-324.	1.6	44
29	Intermittent hypoxia causes histological kidney damage and increases growth factor expression in a mouse model of obstructive sleep apnea. <i>PLoS ONE</i> , 2018, 13, e0192084.	2.5	44
30	Gestational intermittent hypoxia induces endothelial dysfunction, reduces perivascular adiponectin and causes epigenetic changes in adult male offspring. <i>Journal of Physiology</i> , 2019, 597, 5349-5364.	2.9	43
31	Cardiovascular consequences of obstructive sleep apnea. <i>Current Opinion in Cardiology</i> , 2016, 31, 599-605.	1.8	39
32	Uncoupling of Vascular Nitric Oxide Synthase Caused by Intermittent Hypoxia. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-9.	4.0	38
33	Acute intermittent hypercapnic hypoxia and sympathetic neurovascular transduction in men. <i>Journal of Physiology</i> , 2020, 598, 473-487.	2.9	35
34	Moral distress is associated with general workplace distress in intensive care unit personnel. <i>Journal of Critical Care</i> , 2019, 50, 122-125.	2.2	33
35	<p>Impact Of Spinal Cord Injury On Sleep: Current Perspectives</p>. <i>Nature and Science of Sleep</i> , 2019, Volume 11, 219-229.	2.7	31
36	Pro-atherogenic cytokine profile of patients with suspected obstructive sleep apnea. <i>Sleep and Breathing</i> , 2009, 13, 391-395.	1.7	29

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37	Update in Sleep Medicine 2014. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 415-420.	5.6	28
38	Alpha Lipoic Acid Improves Endothelial Function and Oxidative Stress in Mice Exposed to Chronic Intermittent Hypoxia. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-13.	4.0	28
39	Impact of Work Schedules on Sleep Duration of Critical Care Nurses. American Journal of Critical Care, 2014, 23, 290-295.	1.6	27
40	Multipronged strategy to reduce routine-priority blood testing in intensive care unit patients. Journal of Critical Care, 2016, 31, 212-216.	2.2	26
41	Matrix metalloproteinases as possible biomarkers of obstructive sleep apnea severity – A systematic review. Sleep Medicine Reviews, 2019, 46, 9-16.	8.5	25
42	Pneumothorax after insertion of central venous catheters in the intensive care unit: association with month of year and week of month. Quality and Safety in Health Care, 2007, 16, 252-255.	2.5	24
43	The Interaction of Obesity and Nocturnal Hypoxemia on Cardiovascular Consequences in Adults with Suspected Obstructive Sleep Apnea. A Historical Observational Study. Annals of the American Thoracic Society, 2016, 13, 2234-2241.	3.2	23
44	Testing and treatment for obstructive sleep apnea in Canada: funding models must change. Cmaj, 2017, 189, E1524-E1528.	2.0	21
45	Intermittent hypoxia impairs uterine artery function in pregnant mice. Journal of Physiology, 2019, 597, 2639-2650.	2.9	21
46	Obstructive Sleep Apnea and Circulating Biomarkers of Oxidative Stress: A Cross-Sectional Study. Antioxidants, 2020, 9, 476.	5.1	21
47	Obstructive sleep apnoea and frequency of occupational injury. Thorax, 2016, 71, 664-666.	5.6	20
48	Circulating biomarkers to identify cardiometabolic complications in patients with Obstructive Sleep Apnea: A systematic review. Sleep Medicine Reviews, 2019, 44, 48-57.	8.5	20
49	Diagnostic accuracy of a two-stage model for detecting obstructive sleep apnoea in chronic tetraplegia. Thorax, 2018, 73, 864-871.	5.6	19
50	Association between risk of obstructive sleep apnea, inflammation and cognition after 45 years old in the Canadian Longitudinal Study on Aging. Sleep Medicine, 2022, 91, 21-30.	1.6	18
51	Nitric Oxide Bioavailability in Obstructive Sleep Apnea: Interplay of Asymmetric Dimethylarginine and Free Radicals. Sleep Disorders, 2015, 2015, 1-10.	1.4	16
52	Development of a patient decision aid prototype for adults with obstructive sleep apnea. Sleep and Breathing, 2016, 20, 653-661.	1.7	16
53	Air Pollution and Systemic Inflammation in Patients With Suspected OSA Living in an Urban Residential Area. Chest, 2020, 158, 1713-1722.	0.8	16
54	Sleep Quality and Nocturnal Symptoms in a Community-Based COPD Cohort. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2020, 17, 40-48.	1.6	16

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55	A portrait of obstructive sleep apnea risk factors in 27,210 middle-aged and older adults in the Canadian Longitudinal Study on Aging. <i>Scientific Reports</i> , 2022, 12, 5127.	3.3	16
56	Symptom subtypes and risk of incident cardiovascular and cerebrovascular disease in a clinic-based obstructive sleep apnea cohort. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 2093-2102.	2.6	16
57	Implementation of a quality improvement initiative to reduce daily chest radiographs in the intensive care unit. <i>BMJ Quality and Safety</i> , 2016, 25, 379-385.	3.7	15
58	Moral distress in intensive care unit personnel is not consistently associated with adverse medication events and other adverse events. <i>Journal of Critical Care</i> , 2019, 53, 258-263.	2.2	14
59	C-Reactive Protein Levels and the Risk of Incident Cardiovascular and Cerebrovascular Events in Patients with Obstructive Sleep Apnea. <i>Lung</i> , 2019, 197, 459-464.	3.3	14
60	Could Adjunctive Pharmacology Mitigate Cardiovascular Consequences of Obstructive Sleep Apnea?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 551-555.	5.6	13
61	Positive airway pressure for sleep-disordered breathing in acute quadriplegia: a randomised controlled trial. <i>Thorax</i> , 2019, 74, 282-290.	5.6	13
62	Risk of chronic kidney disease in patients with obstructive sleep apnea. <i>Sleep</i> , 2022, 45, .	1.1	13
63	If You Weigh Too Much, Maybe You Should Try Sleeping More. <i>Sleep</i> , 2010, 33, 143-144.	1.1	12
64	Hypercoagulability: Another Potential Mechanism of Obstructive Sleep Apnea-Related Cardiovascular Disease?. <i>Lung</i> , 2008, 186, 195-196.	3.3	11
65	The antioxidant α -lipoic acid attenuates intermittent hypoxia-related renal injury in a mouse model of sleep apnea. <i>Sleep</i> , 2019, 42, .	1.1	11
66	Association of intensive care unit occupancy during admission and inpatient mortality: a retrospective cohort study. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 213-224.	1.6	11
67	Helping Canadian health care providers to optimize Sleep Disordered Breathing management for their patients during the COVID-19 pandemic. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2020, 4, 81-82.	0.5	11
68	Key Highlights From the Canadian Thoracic Society's Position Statement on Optimizing the Management of Sleep Disordered Breathing During the Coronavirus Disease 2019 Pandemic. <i>Chest</i> , 2020, 158, 899-900.	0.8	11
69	Differences in Hospital Mortality Among Critically Ill Patients of Asian, Native Indian, and European Descent. <i>Chest</i> , 2008, 134, 1217-1222.	0.8	10
70	Effect of tidal volume and positive end-expiratory pressure on expiratory time constants in experimental lung injury. <i>Physiological Reports</i> , 2016, 4, e12737.	1.7	10
71	Exploring the Potential Cost-Effectiveness of Patient Decision Aids for Use in Adults with Obstructive Sleep Apnea. <i>Medical Decision Making</i> , 2015, 35, 671-682.	2.4	9
72	Sleep Stage Coordination of Respiration and Swallowing: A Preliminary Study. <i>Dysphagia</i> , 2016, 31, 579-586.	1.8	8

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73	Obstructive Sleep Apnea Severity, Body Mass Index, and Circulating Levels of Cellular Adhesion Molecules. <i>Lung</i> , 2020, 198, 939-945.	3.3	8
74	Symptom subtypes and cognitive function in a clinic-based OSA cohort: a multi-centre Canadian study. <i>Sleep Medicine</i> , 2020, 74, 92-98.	1.6	8
75	The Demise of Portable Monitoring to Diagnose OSA? Not So Fast!. <i>Sleep</i> , 2011, 34, 691-692.	1.1	7
76	Attributable Length of Stay and Mortality of Major Bleeding as a Complication of Therapeutic Anticoagulation in the Intensive Care Unit. <i>Journal of Patient Safety</i> , 2015, 11, 23-27.	1.7	7
77	Adhesion molecule gene variants and plasma protein levels in patients with suspected obstructive sleep apnea. <i>PLoS ONE</i> , 2019, 14, e0210732.	2.5	7
78	Obstructive Sleep Apnea Severity and the Risk of Occupational Injury: A Prospective Observational Cohort. <i>Lung</i> , 2020, 198, 283-287.	3.3	7
79	Shift working and cardiovascular health. <i>Chronobiology International</i> , 2023, 40, 27-32.	2.0	7
80	Contribution of hypercapnia to cognitive impairment in severe sleep-disordered breathing. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 245-254.	2.6	7
81	Circulating levels of cell adhesion molecules and risk of cardiovascular events in obstructive sleep apnea. <i>PLoS ONE</i> , 2021, 16, e0255306.	2.5	7
82	The public health burden of obstructive sleep apnea.. <i>Sleep Science</i> , 2021, 14, 257-265.	1.0	7
83	Association of insomnia and short sleep duration, alone or with comorbid obstructive sleep apnea, and the risk of chronic kidney disease. <i>Sleep</i> , 2022, 45, .	1.1	6
84	Suboptimal CPAP adherence: half a loaf is better than no bread at all. <i>European Respiratory Journal</i> , 2020, 55, 2000144.	6.7	5
85	Screening for Obstructive Sleep Apnea in an Atrial Fibrillation Population: What's the Best Test?. <i>CJC Open</i> , 2021, 3, 442-449.	1.5	5
86	Revisiting level II sleep studies in the era of COVID-19: a theoretical economic decision model in patients with suspected obstructive sleep apnea. <i>Sleep Science and Practice</i> , 2021, 5, 11.	1.3	5
87	The efficacy of a titrated tongue-stabilizing device on obstructive sleep apnea: a quasi-experimental study. <i>Journal of Clinical Sleep Medicine</i> , 2021, 17, 1607-1618.	2.6	5
88	Vascular and renal telomere shortening in mice exposed to chronic intermittent hypoxia. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 1112-1113.	1.4	5
89	Gas density alters expiratory time constants before and after experimental lung injury. <i>Experimental Physiology</i> , 2015, 100, 1217-1228.	2.0	4
90	Continuous Positive Airway Pressure Use for Obstructive Sleep Apnea in Acute, Traumatic Tetraplegia. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 2276-2282.	0.9	4

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91	Association between intensive care unit occupancy at discharge, afterhours discharges, and clinical outcomes: a historical cohort study. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 1359-1370.	1.6	3
92	Circulating C-reactive protein levels in patients with suspected obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 993-1001.	2.6	3
93	Impact of Obstructive Sleep Apnea and Current Treatments on the Development and Progression of Type 2 Diabetes. <i>Current Diabetes Reviews</i> , 2022, 18, .	1.3	3
94	Risk of occupational injury in patients with suspected obstructive sleep apnea. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2017, 1, 186-190.	0.5	2
95	Outcomes of Critically Ill Patients Who Have Serotype 5 Invasive Pneumococcal Disease. <i>Journal of Intensive Care Medicine</i> , 2020, 35, 63-67.	2.8	2
96	Updated recommendations for resumption of sleep clinic and laboratory testing. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2020, 4, 160-162.	0.5	2
97	Perioperative myocardial injury risk after elective knee and hip arthroplasty in patients with a high risk of obstructive sleep apnea. <i>Sleep and Breathing</i> , 2021, 25, 513-515.	1.7	2
98	Addressing challenges with current therapies for obstructive sleep apnea. <i>Cmaj</i> , 2018, 190, E573-E573.	2.0	1
99	High-flow nasal cannula and infection control precautions in COVID-19. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2020, 4, 279-280.	0.5	1
100	Consecutive nursing shifts and the risk of hypoglycemia in critically ill patients who are receiving intravenous insulin: a multicenter study. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 949-953.	2.6	1
101	The rs579459 ABO gene polymorphism and risk of incident cardiovascular events in obstructive sleep apnea: a pilot study. <i>Sleep and Breathing</i> , 0, , .	1.7	1
102	Changes in Positive Airway Pressure Use in Adults with Sleep-Related Breathing Disorder During the COVID-19 Pandemic: A Cross-Sectional National Community-Based Survey. <i>Sleep and Vigilance</i> , 2022, 6, 281-286.	0.8	1
103	The Patient's or Society's: Whose Quality of Life is it Anyway?. <i>Sleep</i> , 2014, 37, 1885-1886.	1.1	0
104	Response. <i>Chest</i> , 2015, 148, e166-e167.	0.8	0
105	AJRCCM: 100-Year Anniversary. Sleep-Disordered Breathing: Still the New Kid on the Block. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1107-1111.	5.6	0
106	Sleep disordered breathing. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2020, 4, S15-S17.	0.5	0
107	Sleep disordered breathing. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2021, 5, 118-120.	0.5	0
108	Canadian Sleep Society statement regarding Continuous Positive Airway Pressure coverage for patients with Obstructive Sleep Apnea and an Apnea Hypopnea Index between 5 and 15/hour. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2021, 5, 346-347.	0.5	0

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109	Chronic intermittent hypoxia induces endothelial dysfunction in mice fed a high fat diet but not in mice fed a normal diet. <i>FASEB Journal</i> , 2013, 27, lb534.	0.5	0
110	Circulating markers of oxidative stress and risk of incident cardiovascular events in obstructive sleep apnea. <i>Sleep and Biological Rhythms</i> , 0, , .	1.0	0