

Najib Ayas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

4,335
citations

28
h-index

65
g-index

113
ext. papers

5,704
ext. citations

4.5
avg, IF

5.59
L-index

#	Paper	IF	Citations
99	A prospective study of sleep duration and coronary heart disease in women. <i>Archives of Internal Medicine</i> , 2003 , 163, 205-9		793
98	Estimation of the global prevalence and burden of obstructive sleep apnoea: a literature-based analysis. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 687-698	35.1	730
97	Epidemiology, risk factors, and consequences of obstructive sleep apnea and short sleep duration. <i>Progress in Cardiovascular Diseases</i> , 2009 , 51, 285-93	8.5	251
96	Diagnosis and initial management of obstructive sleep apnea without polysomnography: a randomized validation study. <i>Annals of Internal Medicine</i> , 2007 , 146, 157-66	8	242
95	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	2.9	207
94	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	10.2	173
93	The economic impact of obstructive sleep apnea. <i>Lung</i> , 2008 , 186, 7-12	2.9	172
92	Will This Hemodynamically Unstable Patient Respond to a Bolus of Intravenous Fluids?. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 316, 1298-309	27.4	145
91	Moral distress in intensive care unit professionals is associated with profession, age, and years of experience. <i>Journal of Critical Care</i> , 2016 , 31, 178-82	4	110
90	Cost-effectiveness of continuous positive airway pressure therapy for moderate to severe obstructive sleep apnea/hypopnea. <i>Archives of Internal Medicine</i> , 2006 , 166, 977-84		101
89	Obstructive Sleep Apnea and Kidney Disease: A Potential Bidirectional Relationship?. <i>Journal of Clinical Sleep Medicine</i> , 2015 , 11, 915-24	3.1	75
88	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	4.6	71
87	Epidemiology of Sleep Disturbances and Cardiovascular Consequences. <i>Canadian Journal of Cardiology</i> , 2015 , 31, 873-9	3.8	65
86	Predictors of Continuous Positive Airway Pressure Adherence in Patients with Obstructive Sleep Apnea. <i>Lung</i> , 2019 , 197, 115-121	2.9	58
85	Cardiovascular complications of sleep apnea: role of oxidative stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2014 , 2014, 985258	6.7	54
84	Diagnosis and treatment of obstructive sleep apnea in adults. <i>Cmaj</i> , 2017 , 189, E1481-E1488	3.5	53
83	Cardiovascular consequences of sleep apnea. <i>Lung</i> , 2012 , 190, 113-32	2.9	43

82	Depression and Sleep-Related Symptoms in an Adult, Indigenous, North American Population. <i>Journal of Clinical Sleep Medicine</i> , 2008 , 04, 356-361	3.1	43
81	Chronic intermittent hypoxia causes endothelial dysfunction in a mouse model of diet-induced obesity. <i>Sleep Medicine</i> , 2014 , 15, 596-602	4.6	40
80	Insights into obstructive sleep apnea research. <i>Sleep Medicine</i> , 2014 , 15, 485-95	4.6	40
79	The effect of OSA on work disability and work-related injuries. <i>Chest</i> , 2015 , 147, 1422-1428	5.3	39
78	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	4.7	39
77	New frontiers in obstructive sleep apnoea. <i>Clinical Science</i> , 2014 , 127, 209-16	6.5	37
76	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, 320-4	4.6	37
75	Biomarkers of dementia in obstructive sleep apnea. <i>Sleep Medicine Reviews</i> , 2018 , 42, 139-148	10.2	36
74	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	3.7	31
73	Uncoupling of Vascular Nitric Oxide Synthase Caused by Intermittent Hypoxia. <i>Oxidative Medicine and Cellular Longevity</i> , 2016 , 2016, 2354870	6.7	28
72	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	3.9	27
71	Impaired Sleep Quality in COPD Is Associated With Exacerbations: The CanCOLD Cohort Study. <i>Chest</i> , 2019 , 156, 852-863	5.3	27
70	Cardiovascular consequences of obstructive sleep apnea. <i>Current Opinion in Cardiology</i> , 2016 , 31, 599-605	5.1	26
69	Pro-atherogenic cytokine profile of patients with suspected obstructive sleep apnea. <i>Sleep and Breathing</i> , 2009 , 13, 391-5	3.1	24
68	Acute intermittent hypercapnic hypoxia and sympathetic neurovascular transduction in men. <i>Journal of Physiology</i> , 2020 , 598, 473-487	3.9	22
67	Impact of work schedules on sleep duration of critical care nurses. <i>American Journal of Critical Care</i> , 2014 , 23, 290-5	1.7	21
66	Pneumothorax after insertion of central venous catheters in the intensive care unit: association with month of year and week of month. <i>Quality and Safety in Health Care</i> , 2007 , 16, 252-5		21
65	Alpha Lipoic Acid Improves Endothelial Function and Oxidative Stress in Mice Exposed to Chronic Intermittent Hypoxia. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 4093018	6.7	20

64	Metrics of sleep apnea severity: beyond the apnea-hypopnea index. <i>Sleep</i> , 2021 , 44,	1.1	20
63	Multipronged strategy to reduce routine-priority blood testing in intensive care unit patients. <i>Journal of Critical Care</i> , 2016 , 31, 212-6	4	18
62	Obstructive sleep apnoea and frequency of occupational injury. <i>Thorax</i> , 2016 , 71, 664-6	7.3	18
61	Matrix metalloproteinases as possible biomarkers of obstructive sleep apnea severity - A systematic review. <i>Sleep Medicine Reviews</i> , 2019 , 46, 9-16	10.2	16
60	Update in Sleep Medicine 2014. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 415-20	10.2	16
59	The Interaction of Obesity and Nocturnal Hypoxemia on Cardiovascular Consequences in Adults with Suspected Obstructive Sleep Apnea. A Historical Observational Study. <i>Annals of the American Thoracic Society</i> , 2016 , 13, 2234-2241	4.7	16
58	Moral distress is associated with general workplace distress in intensive care unit personnel. <i>Journal of Critical Care</i> , 2019 , 50, 122-125	4	16
57	Impact Of Spinal Cord Injury On Sleep: Current Perspectives. <i>Nature and Science of Sleep</i> , 2019 , 11, 219-230	3.0	13
56	Testing and treatment for obstructive sleep apnea in Canada: funding models must change. <i>Cmaj</i> , 2017 , 189, E1524-E1528	3.5	13
55	If you weigh too much, maybe you should try sleeping more. <i>Sleep</i> , 2010 , 33, 143-4	1.1	12
54	Development of a patient decision aid prototype for adults with obstructive sleep apnea. <i>Sleep and Breathing</i> , 2016 , 20, 653-61	3.1	12
53	Circulating biomarkers to identify cardiometabolic complications in patients with Obstructive Sleep Apnea: A systematic review. <i>Sleep Medicine Reviews</i> , 2019 , 44, 48-57	10.2	12
52	Implementation of a quality improvement initiative to reduce daily chest radiographs in the intensive care unit. <i>BMJ Quality and Safety</i> , 2016 , 25, 379-85	5.4	11
51	Diagnostic accuracy of a two-stage model for detecting obstructive sleep apnoea in chronic tetraplegia. <i>Thorax</i> , 2018 , 73, 864-871	7.3	11
50	Nitric Oxide Bioavailability in Obstructive Sleep Apnea: Interplay of Asymmetric Dimethylarginine and Free Radicals. <i>Sleep Disorders</i> , 2015 , 2015, 387801	1.7	11
49	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	0.6	9
48	Differences in hospital mortality among critically ill patients of Asian, Native Indian, and European descent. <i>Chest</i> , 2008 , 134, 1217-1222	5.3	9
47	Hypercoagulability: another potential mechanism of obstructive sleep apnea-related cardiovascular disease?. <i>Lung</i> , 2008 , 186, 195-196	2.9	9

46	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	2.9	7
45	Intermittent hypoxia impairs uterine artery function in pregnant mice. <i>Journal of Physiology</i> , 2019 , 597, 2639-2650	3.9	7
44	Could Adjunctive Pharmacology Mitigate Cardiovascular Consequences of Obstructive Sleep Apnea?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 551-555	10.2	7
43	Exploring the Potential Cost-Effectiveness of Patient Decision Aids for Use in Adults with Obstructive Sleep Apnea: A Case Study. <i>Medical Decision Making</i> , 2015 , 35, 671-82	2.5	7
42	Effect of tidal volume and positive end-expiratory pressure on expiratory time constants in experimental lung injury. <i>Physiological Reports</i> , 2016 , 4, e12737	2.6	7
41	Positive airway pressure for sleep-disordered breathing in acute quadriplegia: a randomised controlled trial. <i>Thorax</i> , 2019 , 74, 282-290	7.3	7
40	The antioxidant lipoic acid attenuates intermittent hypoxia-related renal injury in a mouse model of sleep apnea. <i>Sleep</i> , 2019 , 42,	1.1	6
39	Obstructive Sleep Apnea and Circulating Biomarkers of Oxidative Stress: A Cross-Sectional Study. <i>Antioxidants</i> , 2020 , 9,	7.1	6
38	Sleep Quality and Nocturnal Symptoms in a Community-Based COPD Cohort. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2020 , 17, 40-48	2	6
37	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	4	6
36	The demise of portable monitoring to diagnose OSA? Not so fast!. <i>Sleep</i> , 2011 , 34, 691-2	1.1	6
35	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	3	6
34	Air Pollution and Systemic Inflammation in Patients With Suspected OSA Living in an Urban Residential Area. <i>Chest</i> , 2020 , 158, 1713-1722	5.3	5
33	Adhesion molecule gene variants and plasma protein levels in patients with suspected obstructive sleep apnea. <i>PLoS ONE</i> , 2019 , 14, e0210732	3.7	4
32	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, 23-7	1.9	4
31	Sleep Stage Coordination of Respiration and Swallowing: A Preliminary Study. <i>Dysphagia</i> , 2016 , 31, 579-867	3.67	4
30	Gas density alters expiratory time constants before and after experimental lung injury. <i>Experimental Physiology</i> , 2015 , 100, 1217-28	2.4	4
29	Obstructive Sleep Apnea Severity, Body Mass Index, and Circulating Levels of Cellular Adhesion Molecules. <i>Lung</i> , 2020 , 198, 939-945	2.9	4

28	Obstructive Sleep Apnea Severity and the Risk of Occupational Injury: A Prospective Observational Cohort. <i>Lung</i> , 2020 , 198, 283-287	2.9	3
27	Screening for Obstructive Sleep Apnea in an Atrial Fibrillation Population: What's the Best Test?. <i>CJC Open</i> , 2021 , 3, 442-449	2	3
26	Shift working and cardiovascular health. <i>Chronobiology International</i> , 2021 , 1-6	3.6	3
25	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	0.6	2
24	Risk of chronic kidney disease in patients with obstructive sleep apnea. <i>Sleep</i> , 2021 ,	1.1	2
23	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	2.8	2
22	Outcomes of Critically Ill Patients Who Have Serotype 5 Invasive Pneumococcal Disease. <i>Journal of Intensive Care Medicine</i> , 2020 , 35, 63-67	3.3	2
21	Symptom subtypes and cognitive function in a clinic-based OSA cohort: a multi-centre Canadian study. <i>Sleep Medicine</i> , 2020 , 74, 92-98	4.6	1
20	Addressing challenges with current therapies for obstructive sleep apnea. <i>Cmaj</i> , 2018 , 190, E573	3.5	1
19	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	3.1	1
18	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	0.6	1
17	Contribution of hypercapnia to cognitive impairment in severe sleep-disordered breathing. <i>Journal of Clinical Sleep Medicine</i> , 2021 ,	3.1	1
16	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	1.2	1
15	Circulating levels of cell adhesion molecules and risk of cardiovascular events in obstructive sleep apnea. <i>PLoS ONE</i> , 2021 , 16, e0255306	3.7	1
14	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	3.1	1
13	Association between risk of obstructive sleep apnea, inflammation and cognition after 45 years old in the Canadian Longitudinal Study on Aging.. <i>Sleep Medicine</i> , 2022 , 91, 21-30	4.6	1
12	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	3	0
11	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	3.1	0

10	Vascular and renal telomere shortening in mice exposed to chronic intermittent hypoxia. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021 , 99, 1112-1113	2.4	o
9	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	4.9	o
8	The public health burden of obstructive sleep apnea.. <i>Sleep Science</i> , 2021 , 14, 257-265	1.8	o
7	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	10.2	
6	Sleep disordered breathing. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2020 , 4, S15-S17	0.6	
5	Response. <i>Chest</i> , 2015 , 148, e166-e167	5.3	
4	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	0.9	
3	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	0.6	
2	Sleep disordered breathing. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2021 , 5, 118-120	0.6	
1	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> , 1-2	0.6	