

Robert L Owens

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

4,607
citations

117453

34
h-index

110170

64
g-index

117
all docs

117
docs citations

117
times ranked

3878
citing authors

#	ARTICLE	IF	CITATIONS
1	Haloperidol and Ziprasidone for Treatment of Delirium in Critical Illness. <i>New England Journal of Medicine</i> , 2018, 379, 2506-2516.	13.9	390
2	Eszopiclone increases the respiratory arousal threshold and lowers the apnoea/hypopnoea index in obstructive sleep apnoea patients with a low arousal threshold. <i>Clinical Science</i> , 2011, 120, 505-514.	1.8	281
3	Acetazolamide improves loop gain but not the other physiological traits causing obstructive sleep apnoea. <i>Journal of Physiology</i> , 2012, 590, 1199-1211.	1.3	226
4	Clinical Predictors of the Respiratory Arousal Threshold in Patients with Obstructive Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1293-1300.	2.5	221
5	A method for measuring and modeling the physiological traits causing obstructive sleep apnea. <i>Journal of Applied Physiology</i> , 2011, 110, 1627-1637.	1.2	204
6	Quantifying the ventilatory control contribution to sleep apnoea using polysomnography. <i>European Respiratory Journal</i> , 2015, 45, 408-418.	3.1	195
7	A simplified method for determining phenotypic traits in patients with obstructive sleep apnea. <i>Journal of Applied Physiology</i> , 2013, 114, 911-922.	1.2	176
8	Upper-Airway Collapsibility and Loop Gain Predict the Response to Oral Appliance Therapy in Patients with Obstructive Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 1413-1422.	2.5	174
9	The Role of Weight Management in the Treatment of Adult Obstructive Sleep Apnea. An Official American Thoracic Society Clinical Practice Guideline. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, e70-e87.	2.5	136
10	An Integrative Model of Physiological Traits Can be Used to Predict Obstructive Sleep Apnea and Response to Non Positive Airway Pressure Therapy. <i>Sleep</i> , 2015, 38, 961-70.	0.6	110
11	More Than the Sum of the Respiratory Events: Personalized Medicine Approaches for Obstructive Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 691-703.	2.5	110
12	The influence of end-expiratory lung volume on measurements of pharyngeal collapsibility. <i>Journal of Applied Physiology</i> , 2010, 108, 445-451.	1.2	104
13	Enhanced Upper-Airway Muscle Responsiveness Is a Distinct Feature of Overweight/Obese Individuals without Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 930-937.	2.5	104
14	Trazodone Effects on Obstructive Sleep Apnea and Non-REM Arousal Threshold. <i>Annals of the American Thoracic Society</i> , 2015, 12, 758-764.	1.5	96
15	Sleep-disordered breathing and COPD: the overlap syndrome. <i>Respiratory Care</i> , 2010, 55, 1333-44; discussion 1344-6.	0.8	93
16	Long-Term Noninvasive Ventilation in Chronic Stable Hypercapnic Chronic Obstructive Pulmonary Disease. An Official American Thoracic Society Clinical Practice Guideline. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, e74-e87.	2.5	87
17	Limiting racial disparities and bias for wearable devices in health science research. <i>Sleep</i> , 2020, 43, .	0.6	72
18	Sleep in Congestive Heart Failure. <i>Medical Clinics of North America</i> , 2010, 94, 447-464.	1.1	70

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19	On the cutting edge of obstructive sleep apnoea: where next?. <i>Lancet Respiratory Medicine</i> , 2015, 3, 397-403.	5.2	70
20	Silent hypoxaemia in COVID-19 patients. <i>Journal of Physiology</i> , 2021, 599, 1057-1065.	1.3	64
21	Age, gender, neck circumference, and Epworth sleepiness scale do not predict obstructive sleep apnea (OSA) in moderate to severe chronic obstructive pulmonary disease (COPD): The challenge to predict OSA in advanced COPD. <i>PLoS ONE</i> , 2017, 12, e0177289.	1.1	64
22	Research Priorities in Pathophysiology for Sleep-disordered Breathing in Patients with Chronic Obstructive Pulmonary Disease. An Official American Thoracic Society Research Statement. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 289-299.	2.5	61
23	Acetazolamide for OSA and Central Sleep Apnea. <i>Chest</i> , 2020, 158, 2632-2645.	0.4	57
24	Evaluation of Right Ventricular Remodeling Using Cardiac Magnetic Resonance Imaging in Co-Existent Chronic Obstructive Pulmonary Disease and Obstructive Sleep Apnea. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2013, 10, 4-10.	0.7	55
25	The overlaps of asthma or <scp>COPD</scp> with <scp>OSA</scp>: <scp>A</scp> focused review. <i>Respirology</i> , 2017, 22, 1073-1083.	1.3	55
26	Side effects of acetazolamide: a systematic review and meta-analysis assessing overall risk and dose dependence. <i>BMJ Open Respiratory Research</i> , 2020, 7, e000557.	1.2	55
27	Upper airway function in the pathogenesis of obstructive sleep apnea: a review of the current literature. <i>Current Opinion in Pulmonary Medicine</i> , 2008, 14, 519-524.	1.2	54
28	Effects of hyperoxia and hypoxia on the physiological traits responsible for obstructive sleep apnoea. <i>Journal of Physiology</i> , 2014, 592, 4523-4535.	1.3	53
29	Melatonin and Sleep in Preventing Hospitalized Delirium: A Randomized Clinical Trial. <i>American Journal of Medicine</i> , 2018, 131, 1110-1117.e4.	0.6	51
30	What is central sleep apnea?. <i>Respiratory Care</i> , 2010, 55, 1168-78.	0.8	46
31	Physiology-Based Modeling May Predict Surgical Treatment Outcome for Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 1029-1037.	1.4	45
32	Ramelteon for Prevention of Postoperative Delirium: A Randomized Controlled Trial in Patients Undergoing Elective Pulmonary Thromboendarterectomy*. <i>Critical Care Medicine</i> , 2019, 47, 1751-1758.	0.4	41
33	A State Space and Density Estimation Framework for Sleep Staging in Obstructive Sleep Apnea. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 1201-1212.	2.5	38
34	Sitting and Supine Esophageal Pressures in Overweight and Obese Subjects. <i>Obesity</i> , 2012, 20, 2354-2360.	1.5	37
35	Sound and Light Levels Are Similarly Disruptive in ICU and non-ICU Wards. <i>Journal of Hospital Medicine</i> , 2017, 12, 798-804.	0.7	32
36	Sleep in Chronic Obstructive Pulmonary Disease: Evidence Gaps and Challenges. <i>Canadian Respiratory Journal</i> , 2016, 2016, 1-5.	0.8	30

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37	Tube Law of the Pharyngeal Airway in Sleeping Patients with Obstructive Sleep Apnea. <i>Sleep</i> , 2016, 39, 337-343.	0.6	29
38	Association of Sleep Duration and Variability With Body Mass Index. <i>JAMA Internal Medicine</i> , 2020, 180, 1694.	2.6	29
39	Update in Sleep Medicine 2014. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 415-420.	2.5	28
40	Sleep and Breathing and Cancer?. <i>Cancer Prevention Research</i> , 2016, 9, 821-827.	0.7	28
41	Precision Medicine for Obstructive Sleep Apnea. <i>Sleep Medicine Clinics</i> , 2019, 14, 391-398.	1.2	26
42	Automatic EPAP intelligent volume- assured pressure support is effective in patients with chronic respiratory failure: A randomized trial. <i>Respirology</i> , 2019, 24, 1204-1211.	1.3	26
43	Test of the Starling resistor model in the human upper airway during sleep. <i>Journal of Applied Physiology</i> , 2014, 117, 1478-1485.	1.2	25
44	Female Physician Leadership During Cardiopulmonary Resuscitation Is Associated With Improved Patient Outcomes*. <i>Critical Care Medicine</i> , 2019, 47, e8-e13.	0.4	25
45	Conversations About Goals and Values Are Feasible and Acceptable in Long-Term Acute Care Hospitals: A Pilot Study. <i>Journal of Palliative Medicine</i> , 2017, 20, 710-715.	0.6	24
46	The Effect of Upper Airway Surgery on Loop Gain in Obstructive Sleep Apnea. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 907-913.	1.4	24
47	Continuous positive airway pressure device detects atrial fibrillation induced central sleep apnoea. <i>Lancet, The</i> , 2018, 392, 160.	6.3	23
48	T1 Measurements for Detection of Expansion of the Myocardial Extracellular Volume in Chronic Obstructive Pulmonary Disease. <i>Canadian Journal of Cardiology</i> , 2014, 30, 1668-1675.	0.8	22
49	Congestive Heart Failure and Central Sleep Apnea. <i>Critical Care Clinics</i> , 2015, 31, 473-495.	1.0	22
50	Gastric Banding Surgery versus Continuous Positive Airway Pressure for Obstructive Sleep Apnea: A Randomized Controlled Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1080-1083.	2.5	21
51	Usefulness of Low Cardiac Index to Predict Sleep-Disordered Breathing in Chronic Thromboembolic Pulmonary Hypertension. <i>American Journal of Cardiology</i> , 2016, 117, 1001-1005.	0.7	20
52	Effect of the chest wall on pressure-volume curve analysis of acute respiratory distress syndrome lungs*. <i>Critical Care Medicine</i> , 2008, 36, 2980-2985.	0.4	19
53	Influence of pharyngeal muscle activity on inspiratory negative effort dependence in the human upper airway. <i>Respiratory Physiology and Neurobiology</i> , 2014, 201, 55-59.	0.7	19
54	Pathogenesis of obstructive sleep apnea in individuals with the COPD+OSA Overlap syndrome versus OSA alone. <i>Physiological Reports</i> , 2020, 8, e14371.	0.7	18

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55	Effects of acetazolamide on control of breathing in sleep apnea patients: Mechanistic insights using meta-analyses and physiological model simulations. <i>Physiological Reports</i> , 2021, 9, e15071.	0.7	18
56	Congestive Heart Failure and Central Sleep Apnea. <i>Sleep Medicine Clinics</i> , 2016, 11, 127-142.	1.2	17
57	Impact of Sleep Deprivation in the Neurological Intensive Care Unit: A Narrative Review. <i>Neurocritical Care</i> , 2020, 32, 596-608.	1.2	17
58	Supplemental Oxygen Needs During Sleep. Who Benefits?. <i>Respiratory Care</i> , 2013, 58, 32-47.	0.8	16
59	Self-reported sleep disturbance and survival in myelodysplastic syndromes. <i>British Journal of Haematology</i> , 2017, 177, 562-566.	1.2	16
60	Screening for Obstructive Sleep Apnea in a Diverse Bariatric Surgery Population. <i>Obesity</i> , 2020, 28, 2028-2034.	1.5	16
61	Implementation and Outcomes of a Mobile Extracorporeal Membrane Oxygenation Program in the United States During the Coronavirus Disease 2019 Pandemic. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 2869-2874.	0.6	16
62	New Approaches to Diagnosing Sleep-Disordered Breathing. <i>Sleep Medicine Clinics</i> , 2016, 11, 143-152.	1.2	15
63	A Wake-up Call for Human Immunodeficiency Virus (HIV) Providers: Obstructive Sleep Apnea in People Living With HIV. <i>Clinical Infectious Diseases</i> , 2018, 67, 472-476.	2.9	15
64	The effect of isolated nocturnal oxygen desaturations on serum hsCRP and IL6 in patients with chronic obstructive pulmonary disease. <i>Clinical Respiratory Journal</i> , 2019, 13, 120-124.	0.6	15
65	OSA Endotypes: What Are They and What Are Their Potential Clinical Implications?. <i>Current Sleep Medicine Reports</i> , 2018, 4, 231-242.	0.7	14
66	The Respiratory Signature: A Novel Concept to Leverage Continuous Positive Airway Pressure Therapy as an Early Warning System for Exacerbations of Common Diseases such as Heart Failure. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 923-927.	1.4	13
67	The AWAKE-HF Study: Sacubitril/Valsartan Impact on Daily Physical Activity and Sleep in Heart Failure. <i>American Journal of Cardiovascular Drugs</i> , 2021, 21, 241-254.	1.0	13
68	Sleep in the Intensive Care Unit in a Model of Family-Centered Care. <i>AACN Advanced Critical Care</i> , 2017, 28, 171-178.	0.6	12
69	Sleep in the Intensive Care Unit: Strategies for Improvement. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2019, 40, 614-628.	0.8	12
70	A multisite study of nurse-reported perceptions and practice of ABCDEF bundle components. <i>Intensive and Critical Care Nursing</i> , 2020, 60, 102872.	1.4	11
71	Effect of Venlafaxine on Apnea-Hypopnea Index in Patients With Sleep Apnea. <i>Chest</i> , 2020, 158, 765-775.	0.4	10
72	Optimal NIV Medicare Access Promotion: Patients With COPD. <i>Chest</i> , 2021, 160, e389-e397.	0.4	10

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73	Executive Summary. Chest, 2021, 160, 1808-1821.	0.4	9
74	Individualized sleep promotion in acute care hospitals: Identifying factors that affect patient sleep. Applied Nursing Research, 2019, 48, 63-67.	1.0	8
75	Objectively measured sleep fragmentation is associated with incident delirium in older hospitalized patients: Analysis of data collected from an randomized controlled trial. Journal of Sleep Research, 2021, 30, e13205.	1.7	8
76	Raising awareness about sleep disorders. Lung India, 2017, 34, 262-268.	0.3	8
77	The Chicken-or-Egg Debate in OSA Pathogenesis. Sleep, 2009, 32, 1255-1256.	0.6	7
78	Impact of Built Design on Nighttime Family Presence in the Intensive Care Unit. Herd, 2020, 13, 106-113.	0.9	7
79	Summary for Clinicians: Clinical Practice Guideline for Long-Term Noninvasive Ventilation in Chronic Stable Hypercapnic Chronic Obstructive Pulmonary Disease. Annals of the American Thoracic Society, 2021, 18, 395-398.	1.5	7
80	Pathogenesis of obstructive sleep apnea in people living with HIV. Journal of Applied Physiology, 2021, 131, 1671-1678.	1.2	7
81	Sleep Deficiency, Sleep Apnea, and Chronic Lung Disease. Clinics in Chest Medicine, 2022, 43, 337-352.	0.8	7
82	The impact of a daily "medication time out" in the Intensive Care Unit. Journal of Critical Care, 2018, 43, 366-369.	1.0	6
83	The Implementation and Outcomes of a Nurse-Run Extracorporeal Membrane Oxygenation Program, a Retrospective Single-Center Study. , 2021, 3, e0449.		6
84	Practices and Patterns of Hourly Neurochecks: Analysis of 8,936 Patients With Neurological Injury. Journal of Intensive Care Medicine, 2022, 37, 784-792.	1.3	6
85	The impact of daytime transoral neuromuscular stimulation on upper airway physiology " A mechanistic clinical investigation. Physiological Reports, 2022, 10, .	0.7	6
86	Treatment of Bronchopleural and Alveolopleural Fistulas in Acute Respiratory Distress Syndrome With Extracorporeal Membrane Oxygenation, a Case Series and Literature Review. , 2021, 3, e0393.		5
87	STOP-BANG screener versus objective obstructive sleep apnea testing among younger veterans with PTSD and insomnia: STOP-BANG does not sufficiently detect risk. Journal of Clinical Sleep Medicine, 2021, , .	1.4	5
88	Statistical uncertainty quantification to augment clinical decision support: a first implementation in sleep medicine. Npj Digital Medicine, 2021, 4, 142.	5.7	5
89	Passive longitudinal weight and cardiopulmonary monitoring in the home bed. Scientific Reports, 2021, 11, 24376.	1.6	5
90	Better Sleep in the Intensive Care Unit: Blue Pill or Red Pill? or No Pill?. Anesthesiology, 2016, 125, 835-837.	1.3	4

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91	Activity Sensors to Evaluate the Effect of Sacubitril/Valsartan on Quality of Life in Heart Failure: rationale and design of the AWAKE-HF study. <i>ESC Heart Failure</i> , 2019, 6, 1313-1321.	1.4	4
92	Optimal NIV Medicare Access Promotion: Patients With Hypoventilation Syndromes. <i>Chest</i> , 2021, 160, e377-e387.	0.4	4
93	Sleep Outcomes From AWAKE-HF: A Randomized Clinical Trial of Sacubitril/Valsartan vs Enalapril in Patients With Heart Failure and Reduced Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2021, 27, 1466-1471.	0.7	4
94	Why do we sometimes ignore the chief complaint in patients evaluated for obstructive sleep apnea?. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 657-659.	1.4	4
95	ATS Core Curriculum 2020. <i>Adult Sleep Medicine. ATS Scholar</i> , 2020, 1, 476-494.	0.5	4
96	Point-of-care prediction model of loop gain in patients with obstructive sleep apnea: development and validation. <i>BMC Pulmonary Medicine</i> , 2022, 22, 158.	0.8	4
97	Nocturnal bilevel positive airway pressure for the treatment of asthma. <i>Respiratory Physiology and Neurobiology</i> , 2020, 274, 103355.	0.7	3
98	Home Noninvasive Positive Pressure Ventilation for Chronic Obstructive Pulmonary Disease. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 2432.	3.8	3
99	Still just the tip of the iceberg. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 9-10.	1.4	3
100	Expiratory Resistance Increases End-Expiratory Lung Volume during Sleep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 185, e10-e11.	2.5	2
101	A Big Problem in the ICU. <i>Journal of Clinical Sleep Medicine</i> , 2014, 10, 1161-1162.	1.4	2
102	Long-Term Domiciliary Noninvasive Ventilation for COPD. <i>Respiratory Care</i> , 2021, 66, 1120-1127.	0.8	2
103	A Pilot Randomized Controlled Trial of Effect of Genioglossus Muscle Strengthening on Obstructive Sleep Apnea Outcomes. <i>Journal of Clinical Medicine</i> , 2021, 10, 4554.	1.0	2
104	The impact of sleep disordered breathing on cardiac troponin in acutely decompensated heart failure. <i>Sleep and Breathing</i> , 2023, 27, 553-560.	0.9	2
105	Sleep and critical illness: bridging the two pillars at the ATS 2016. <i>Journal of Thoracic Disease</i> , 2016, 8, S536-S538.	0.6	1
106	Can a Floppy Upper Airway Lead to Stiff Lungs?. <i>Annals of the American Thoracic Society</i> , 2017, 14, 1759-1760.	1.5	1
107	The Future of the Sleep Lab: It's Complicated. <i>Journal of Clinical Sleep Medicine</i> , 2018, 14, 499-500.	1.4	1
108	All that wheezes at night is not asthma. <i>Respirology</i> , 2019, 24, 1127-1128.	1.3	1

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109	Diagnostic performance of screening tools for the detection of obstructive sleep apnea in people living with HIV. <i>Journal of Clinical Sleep Medicine</i> , 2022, 18, 1797-1804.	1.4	1
110	ATS Core Curriculum 2015: Part II. Adult Sleep Medicine. <i>Annals of the American Thoracic Society</i> , 2015, 12, 1542-1550.	1.5	0
111	Obstructive sleep apnea: can the downward spiral be reversed—a summary of John Stradling’s ATS keynote speech. <i>Journal of Thoracic Disease</i> , 2016, 8, S539-S541.	0.6	0
112	COPD+OSA: can two bad things be good for you?. <i>Thorax</i> , 2017, 72, 204-205.	2.7	0
113	Dexmedetomidine as add-on sedation to reduce continuous infusion sedative use in mechanically ventilated patients. <i>American Journal of Health-System Pharmacy</i> , 2021, 78, S1-S9.	0.5	0
114	A Good Night’s Sleep After the ICU. <i>Chest</i> , 2021, 159, 19-20.	0.4	0
115	The freshman sleep and health (FRoSH) study: Examining sleep and weight gain in incoming college freshmen. <i>Journal of American College Health</i> , 2024, 72, 285-292.	0.8	0