# Jean Louis Pepin

List of Publications by Year
in descending order



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|---|---|---|---|
| 194 papers | 10,018 citations | 41258 49 h-index | 42291 92 g-index |
| 204 all docs | 204 docs citations | 204 times ranked | 7891 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Estimation of the global prevalence and burden of obstructive sleep apnoea: a literature-based analysis. Lancet Respiratory Medicine,the, 2019, 7, 687-698. | 5.2 | 1,866 |
| 2 | Obstructive sleep apnoea syndrome. Nature Reviews Disease Primers, 2015, 1, 15015. | 18.1 | 681 |
| 3 | Definition, discrimination, diagnosis and treatment of central breathing disturbances during sleep. European Respiratory Journal, 2017, 49, 1600959. | 3.1 | 239 |
| 4 | Comparison of Continuous Positive Airway Pressure and Valsartan in Hypertensive Patients with Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 954-960. | 2.5 | 202 |
| 5 | Diabetes Mellitus Prevalence and Control in Sleep-Disordered Breathing. Chest, 2014, 146, 982-990. | 0.4 | 192 |
| 6 | Nocturnal monitoring of home non-invasive ventilation: the contribution of simple tools such as pulse oximetry, capnography, built-in ventilator software and autonomic markers of sleep fragmentation. Thorax, 2011, 66, 438-445. | 2.7 | 183 |
| 7 | Hypertension and sleep: Overview of a tight relationship. Sleep Medicine Reviews, 2014, 18, 509-519. | 3.8 | 181 |
| 8 | European Respiratory Society guidelines on long-term home non-invasive ventilation for management of COPD. European Respiratory Journal, 2019, 54, 1901003. | 3.1 | 181 |
| 9 | Obesity hypoventilation syndrome. European Respiratory Review, 2019, 28, 180097. | 3.0 | 176 |
| 10 | Challenges and perspectives in obstructive sleep apnoea. European Respiratory Journal, 2018, 52, 1702616. | 3.1 | 166 |
| 11 | Evaluation and Management of Obesity Hypoventilation Syndrome. An Official American Thoracic Society Clinical Practice Guideline. American Journal of Respiratory and Critical Care Medicine, 2019, 200, e6-e24. | 2.5 | 165 |
| 12 | Increased Lipid Peroxidation in Patients with Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 1038-1042. | 2.5 | 162 |
| 13 | Impact of obstructive sleep apnea treatment by continuous positive airway pressure on cardiometabolic biomarkers: A systematic review from sham CPAP randomized controlled trials. Sleep Medicine Reviews, 2015, 21, 23-38. | 3.8 | 155 |
| 14 | Mandibular Advancement Devices. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 274-278. | 2.5 | 152 |
| 15 | Obstructive Sleep Apnea: A Cluster Analysis at Time of Diagnosis. PLoS ONE, 2016, 11, e0157318. | 1.1 | 146 |
| 16 | Noninvasive Ventilation in Mild Obesity Hypoventilation Syndrome. Chest, 2012, 141, 692-702. | 0.4 | 133 |
| 17 | Impaired Objective Daytime Vigilance in Obesity-Hypoventilation Syndrome. Chest, 2007, 131, 148-155. | 0.4 | 126 |
| 18 | Type of Mask May Impact on Continuous Positive Airway Pressure Adherence in Apneic Patients. PLoS ONE, 2013, 8, e64382. | 1.1 | 124 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Short-term CPAP adherence in obstructive sleep apnea: a big data analysis using real world data. Sleep Medicine, 2019, 59, 114-116. | 0.8 | 123 |
| 20 | Prevention and care of respiratory failure in obese patients. Lancet Respiratory Medicine,the, 2016, 4, 407-418. | 5.2 | 117 |
| 21 | Intermittent hypoxia in obstructive sleep apnoea mediates insulin resistance through adipose tissue inflammation. European Respiratory Journal, 2017, 49, 1601731. | 3.1 | 117 |
| 22 | Masked hypertension in obstructive sleep apnea syndrome. Journal of Hypertension, 2008, 26, 885-892. | 0.3 | 114 |
| 23 | Pulse Transit Time Improves Detection of Sleep Respiratory Events and Microarousals in Children. Chest, 2005, 127, 722-730. | 0.4 | 109 |
| 24 | The Inflammatory Preatherosclerotic Remodeling Induced by Intermittent Hypoxia Is Attenuated by RANTES/CCL5 Inhibition. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 724-731. | 2.5 | 109 |
| 25 | Trajectories of Emergent Central Sleep Apnea During CPAP Therapy. Chest, 2017, 152, 751-760. | 0.4 | 96 |
| 26 | Wearable Activity Trackers for Monitoring Adherence to Home Confinement During the COVID-19 Pandemic Worldwide: Data Aggregation and Analysis. Journal of Medical Internet Research, 2020, 22, e19787. | 2.1 | 95 |
| 27 | Nonalcoholic fatty liver disease and obstructive sleep apnea. Metabolism: Clinical and Experimental, 2016, 65, 1124-1135. | 1.5 | 87 |
| 28 | Arterial Stiffness in COPD. Chest, 2014, 145, 861-875. | 0.4 | 85 |
| 29 | Impact of Different Backup Respiratory Rates on the Efficacy of Noninvasive Positive Pressure Ventilation in Obesity Hypoventilation Syndrome. Chest, 2013, 143, 37-46. | 0.4 | 81 |
| 30 | Comorbidities and Mortality in Hypercapnic Obese under Domiciliary Noninvasive Ventilation. PLoS ONE, 2013, 8, e52006. | 1.1 | 79 |
| 31 | Polysomnography in stable COPD under non-invasive ventilation to reduce patientâ€“ventilator asynchrony and morning breathlessness. Sleep and Breathing, 2012, 16, 1081-1090. | 0.9 | 75 |
| 32 | Endothelial Dysfunction and Specific Inflammation in Obesity Hypoventilation Syndrome. PLoS ONE, 2009, 4, e6733. | 1.1 | 70 |
| 33 | Intentional Leaks in Industrial Masks Have a Significant Impact on Efficacy of Bilevel Noninvasive Ventilation. Chest, 2009, 135, 669-677. | 0.4 | 70 |
| 34 | Nonalcoholic Fatty Liver Disease, Nocturnal Hypoxia, and Endothelial Function in Patients With Sleep Apnea. Chest, 2014, 145, 525-533. | 0.4 | 70 |
| 35 | POLLAR: Impact of air POLLution on Asthma and Rhinitis; a European Institute of Innovation and Technology Health (EIT Health) project. Clinical and Translational Allergy, 2018, 8, 36. | 1.4 | 70 |
| 36 | Adipose tissue as a key player in obstructive sleep apnoea. European Respiratory Review, 2019, 28, 190006. | 3.0 | 69 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Solriamfetol for the Treatment of Excessive Sleepiness in OSA. Chest, 2019, 155, 364-374. | 0.4 | 68 |
| 38 | Endotypes and phenotypes in obstructive sleep apnea. Current Opinion in Pulmonary Medicine, 2020, 26, 609-614. | 1.2 | 68 |
| 39 | Longâ€term adherence with nonâ€invasive ventilation improves prognosis in obese <scp>COPD</scp> patients. Respirology, 2014, 19, 857-865. | 1.3 | 64 |
| 40 | CPAP Treatment Supported by Telemedicine Does Not Improve Blood Pressure in High Cardiovascular Risk OSA Patients: A Randomized, Controlled Trial. Sleep, 2014, 37, 1863-1870. | 0.6 | 62 |
| 41 | Adherence to Positive Airway Therapy After Switching From CPAP to ASV: A Big Data Analysis. Journal of Clinical Sleep Medicine, 2018, 14, 57-63. | 1.4 | 62 |
| 42 | Obstructive sleep apnoea independently predicts lipid levels: Data from the European Sleep Apnea Database. Respirology, 2018, 23, 1180-1189. | 1.3 | 62 |
| 43 | Comorbidities and Subgroups of Patients Surviving Severe Acute Hypercapnic Respiratory Failure in the Intensive Care Unit. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 200-207. | 2.5 | 59 |
| 44 | Nonalcoholic fatty liver disease in chronic obstructive pulmonary disease. European Respiratory Journal, 2017, 49, 1601923. | 3.1 | 56 |
| 45 | Long-Term Noninvasive Ventilation in the Geneva Lake Area. Chest, 2020, 158, 279-291. | 0.4 | 54 |
| 46 | Relationship Between CPAP Termination and All-Cause Mortality. Chest, 2022, 161, 1657-1665. | 0.4 | 54 |
| 47 | Multimodal Remote Monitoring of High Cardiovascular Risk Patients With OSA Initiating CPAP. Chest, 2019, 155, 730-739. | 0.4 | 53 |
| 48 | Impact of Mandibular Advancement Therapy on Endothelial Function in Severe Obstructive Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1244-1252. | 2.5 | 52 |
| 49 | Obstructive sleep apnoea and metabolic syndrome: put CPAP efficacy in a more realistic perspective. Thorax, 2012, 67, 1025-1027. | 2.7 | 51 |
| 50 | CPAP Therapy Termination Rates by OSA Phenotype: A French Nationwide Database Analysis. Journal of Clinical Medicine, 2021, 10, 936. | 1.0 | 51 |
| 51 | Maxillomandibular advancement for obstructive sleep apnea syndrome treatment: Long-term results. Journal of Cranio-Maxillo-Facial Surgery, 2017, 45, 183-191. | 0.7 | 50 |
| 52 | A critical review of peripheral arterial tone and pulse transit time as indirect diagnostic methods for detecting sleep disordered breathing and characterizing sleep structure. Current Opinion in Pulmonary Medicine, 2009, 15, 550-558. | 1.2 | 47 |
| 53 | Diagnosis and management of central sleep apnea syndrome. Expert Review of Respiratory Medicine, 2019, 13, 545-557. | 1.0 | 46 |
| 54 | Pitolisant for Residual Excessive Daytime Sleepiness in OSA Patients Adhering to CPAP. Chest, 2021, 159, 1598-1609. | 0.4 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Challenges in obstructive sleep apnoea. Lancet Respiratory Medicine,the, 2018, 6, 170-172. | 5.2 | 45 |
| 56 | Diseases of the retina and the optic nerve associated with obstructive sleep apnea. Sleep Medicine Reviews, 2018, 38, 113-130. | 3.8 | 45 |
| 57 | Usefulness of transcutaneous PCO<sub>2</sub> to assess nocturnal hypoventilation in restrictive lung disorders. Respirology, 2016, 21, 1300-1306. | 1.3 | 43 |
| 58 | Severe Central Sleep Apnea Associated WithÂChronic Baclofen Therapy. Chest, 2016, 149, e127-e131. | 0.4 | 43 |
| 59 | Sleep apnoea and ischaemic stroke: current knowledge and future directions. Lancet Neurology, The, 2022, 21, 78-88. | 4.9 | 41 |
| 60 | Early cardiovascular abnormalities in newly diagnosed obstructive sleep apnea. Vascular Health and Risk Management, 2009, 5, 1063. | 1.0 | 40 |
| 61 | Reliability of Apnea-Hypopnea Index Measured by a Home Bi-Level Pressure Support Ventilator Versus a Polysomnographic Assessment. Respiratory Care, 2015, 60, 1051-1056. | 0.8 | 40 |
| 62 | Big Data in sleep apnoea: Opportunities and challenges. Respirology, 2020, 25, 486-494. | 1.3 | 39 |
| 63 | Assessment of Mandibular Movement Monitoring With Machine Learning Analysis for the Diagnosis of Obstructive Sleep Apnea. JAMA Network Open, 2020, 3, e1919657. | 2.8 | 39 |
| 64 | Pressure Reduction During Exhalation in Sleep Apnea Patients Treated by Continuous Positive Airway Pressure. Chest, 2009, 136, 490-497. | 0.4 | 38 |
| 65 | Sleep apnoea and endothelial dysfunction: An individual patient data meta-analysis. Sleep Medicine Reviews, 2020, 52, 101309. | 3.8 | 38 |
| 66 | Association between glaucoma and sleep apnea in a large French multicenter prospective cohort. Sleep Medicine, 2014, 15, 576-581. | 0.8 | 37 |
| 67 | Factors Contributing to Unintentional Leak During CPAP Treatment. Chest, 2017, 151, 707-719. | 0.4 | 37 |
| 68 | Evaluation of a multicomponent grading system for obstructive sleep apnoea: the Baveno classification. ERJ Open Research, 2021, 7, 00928-2020. | 1.1 | 36 |
| 69 | Impact of Positive Airway Pressure Therapy Adherence on Outcomes in Patients with Obstructive Sleep Apnea and Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 197-205. | 2.5 | 36 |
| 70 | Prevalence and Impact of Central Sleep Apnea in Heart Failure. Sleep Medicine Clinics, 2007, 2, 615-621. | 1.2 | 34 |
| 71 | Clusters of sleep apnoea phenotypes: A large panâ€European study from the European Sleep Apnoea Database (ESADA). Respirology, 2021, 26, 378-387. | 1.3 | 34 |
| 72 | Reduced six-minute walking distance, high fat-free-mass index and hypercapnia are associated with endothelial dysfunction in COPD. Respiratory Physiology and Neurobiology, 2012, 183, 128-134. | 0.7 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Clinical presentation and comorbidities of obstructive sleep apnea-COPD overlap syndrome. PLoS ONE, 2020, 15, e0235331. | 1.1 | 32 |
| 74 | Impact of concomitant medications on obstructive sleep apnoea. British Journal of Clinical Pharmacology, 2017, 83, 688-708. | 1.1 | 31 |
| 75 | Sleep laboratories reopening and COVID-19: a European perspective. European Respiratory Journal, 2021, 57, 2002722. | 3.1 | 31 |
| 76 | Greatest changes in objective sleep architecture during COVID-19 lockdown in night owls with increased REM sleep. Sleep, 2021, 44, . | 0.6 | 30 |
| 77 | Nasal obstruction and male gender contribute to the persistence of mouth opening during sleep in <scp>CPAP</scp>â€treated obstructive sleep apnoea. Respirology, 2015, 20, 1123-1130. | 1.3 | 29 |
| 78 | Effectiveness of Adaptive Servo Ventilation in the treatment of hypocapnic central sleep apnea of various etiologies. Sleep Medicine, 2011, 12, 952-958. | 0.8 | 28 |
| 79 | Incorporating telemedicine into the integrated care of the COPD patient a summary of an interdisciplinary workshop held in Stresa, Italy, 7â€“8 September 2017. Respiratory Medicine, 2018, 143, 91-102. | 1.3 | 28 |
| 80 | Novel avenues to approach non-CPAP therapy and implement comprehensive obstructive sleep apnoea care. European Respiratory Journal, 2022, 59, 2101788. | 3.1 | 28 |
| 81 | Long-Acting Bronchodilators and Arterial Stiffness in Patients With COPD. Chest, 2014, 146, 1521-1530. | 0.4 | 27 |
| 82 | Determinants of Unintentional Leaks During CPAP Treatment in OSA. Chest, 2018, 153, 834-842. | 0.4 | 27 |
| 83 | AVAPSâ€AE versus ST mode: A randomized controlled trial in patients with obesity hypoventilation syndrome. Respirology, 2020, 25, 1073-1081. | 1.3 | 27 |
| 84 | Ventilatory support or respiratory muscle training as adjuncts to exercise in obese CPAP-treated patients with obstructive sleep apnoea: a randomised controlled trial. Thorax, 2018, 73, 634-643. | 2.7 | 26 |
| 85 | Contribution of obstructive sleep apnoea to arterial stiffness: a meta-analysis using individual patient data. Thorax, 2018, 73, 1146-1151. | 2.7 | 26 |
| 86 | Effects of 1â€month withdrawal of ventilatory support in hypercapnic myotonic dystrophy type 1. Respirology, 2017, 22, 1416-1422. | 1.3 | 25 |
| 87 | Marital quality, partner's engagement and continuous positive airway pressure adherence in obstructive sleep apnea. Sleep Medicine, 2019, 55, 56-61. | 0.8 | 25 |
| 88 | Adherence with positive airway pressure therapy for obstructive sleep apnea in developing vs. developed countries: a big data study. Journal of Clinical Sleep Medicine, 2021, 17, 703-709. | 1.4 | 24 |
| 89 | Low Physical Activity Is a Determinant for Elevated Blood Pressure in High Cardiovascular Risk Obstructive Sleep Apnea. Respiratory Care, 2014, 59, 1218-1227. | 0.8 | 23 |
| 90 | Heat-moulded versus custom-made mandibular advancement devices for obstructive sleep apnoea: a randomised non-inferiority trial. Thorax, 2019, 74, 667-674. | 2.7 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Obstructive sleep apnea, chronic obstructive pulmonary disease and NAFLD: an individual participant data meta-analysis. Sleep Medicine, 2021, 77, 357-364. | 0.8 | 23 |
| 92 | Acromegaly in sleep apnoea patients: a large observational study of 755 patients. European Respiratory Journal, 2016, 48, 1489-1492. | 3.1 | 22 |
| 93 | 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. | 1.7 | 22 |
| 94 | Cancer prevalence is increased in females with sleep apnoea: data from the ESADA study. European Respiratory Journal, 2019, 53, 1900091. | 3.1 | 22 |
| 95 | Ticagrelor and CentralÂSleep Apnea. Journal of the American College of Cardiology, 2018, 71, 2378-2379. | 1.2 | 21 |
| 96 | Excessive Erythrocytosis and Chronic Mountain Sickness in Dwellers of the Highest City in the World. Frontiers in Physiology, 2020, 11, 773. | 1.3 | 21 |
| 97 | Impact of a Multimodal Telemonitoring Intervention on CPAP Adherence in Symptomatic OSA and Low Cardiovascular Risk. Chest, 2020, 158, 2136-2145. | 0.4 | 21 |
| 98 | Machine Learningâ€“based Sleep Staging in Patients with Sleep Apnea Using a Single Mandibular Movement Signal. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 1227-1231. | 2.5 | 21 |
| 99 | Intermittent hypoxia-related alterations in vascular structure and function: a systematic review and meta-analysis of rodent data. European Respiratory Journal, 2022, 59, 2100866. | 3.1 | 21 |
| 100 | Sleep apnea diagnosis using an ECG Holter device including a nasal pressure (NP) recording: Validation of visual and automatic analysis of nasal pressure versus full polysomnography. Sleep Medicine, 2009, 10, 651-656. | 0.8 | 20 |
| 101 | Incorporating polysomnography into obstructive sleep apnoea phenotyping: moving towards personalised medicine for OSA. Thorax, 2018, 73, 409-411. | 2.7 | 20 |
| 102 | Adaptive servo ventilation for sleep apnoea in heart failure: the FACE study 3-month data. Thorax, 2022, 77, 178-185. | 2.7 | 20 |
| 103 | An Official American Thoracic Society Workshop Report: Noninvasive Identification of Inspiratory Flow Limitation in Sleep Studies. Annals of the American Thoracic Society, 2017, 14, 1076-1085. | 1.5 | 20 |
| 104 | Arterial stiffness by pulse wave velocity in COPD: reliability and reproducibility. European Respiratory Journal, 2013, 42, 1140-1142. | 3.1 | 19 |
| 105 | Central sleep apnoea and periodic breathing in heart failure: prognostic significance and treatment options. European Respiratory Review, 2019, 28, 190084. | 3.0 | 19 |
| 106 | Association of serious adverse events with Cheyneâ€“Stokes respiration characteristics in patients with systolic heart failure and central sleep apnoea: A SERVEâ€Heart Failure substudy analysis. Respirology, 2020, 25, 305-311. | 1.3 | 19 |
| 107 | Bruxism Relieved Under CPAP Treatment in a Patient With OSA Syndrome. Chest, 2020, 157, e59-e62. | 0.4 | 19 |
| 108 | Mandibular Movements are a Reliable Noninvasive Alternative to Esophageal Pressure for Measuring Respiratory Effort in Patients with Sleep Apnea Syndrome. Nature and Science of Sleep, 2022, Volume 14, 635-644. | 1.4 | 19 |

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|---|---|---|---|
| 109 | Impaired cerebral oxygenation and exercise tolerance in patients with severe obstructive sleep apnea syndrome. Sleep Medicine, 2018, 51, 37-46. | 0.8 | 18 |
| 110 | Partial failure of CPAP treatment for sleep apnoea: Analysis of the French national sleep database. Respirology, 2020, 25, 104-111. | 1.3 | 18 |
| 111 | Mandibular Movements As Accurate Reporters of Respiratory Effort during Sleep: Validation against Diaphragmatic Electromyography. Frontiers in Neurology, 2017, 8, 353. | 1.1 | 17 |
| 112 | Impact of Non-alcoholic Fatty Liver Disease on long-term cardiovascular events and death in Chronic Obstructive Pulmonary Disease. Scientific Reports, 2018, 8, 16559. | 1.6 | 17 |
| 113 | Effect of mandibular advancement therapy on inflammatory and metabolic biomarkers in patients with severe obstructive sleep apnoea: a randomised controlled trial. Thorax, 2019, 74, 496-499. | 2.7 | 17 |
| 114 | Intermittent Hypoxia Triggers Early Cardiac Remodeling and Contractile Dysfunction in the Timeâ€Course of Ischemic Cardiomyopathy in Rats. Journal of the American Heart Association, 2020, 9, e016369. | 1.6 | 17 |
| 115 | Who May Benefit From Diuretics in OSA?. Chest, 2020, 158, 359-364. | 0.4 | 17 |
| 116 | Continuous positive airway pressure treatment impact on memory processes in obstructive sleep apnea patients: a randomized sham-controlled trial. Sleep Medicine, 2016, 24, 44-50. | 0.8 | 16 |
| 117 | Baclofen and sleep apnoea syndrome: analysis of VigiBase, the WHO pharmacovigilance database. European Respiratory Journal, 2018, 51, 1701855. | 3.1 | 15 |
| 118 | Anesthesia and sleep apnea. Sleep Medicine Reviews, 2018, 40, 79-92. | 3.8 | 15 |
| 119 | Reshaping Sleep Apnea Care: Time for Value-based Strategies. Annals of the American Thoracic Society, 2019, 16, 1501-1503. | 1.5 | 15 |
| 120 | Impact of obstructive sleep apnea on the obesity paradox in critically ill patients. Journal of Critical Care, 2020, 56, 120-124. | 1.0 | 15 |
| 121 | Nasal versus oronasal masks for home non-invasive ventilation in patients with chronic hypercapnia: a systematic review and individual participant data meta-analysis. Thorax, 2021, 76, 1108-1116. | 2.7 | 15 |
| 122 | Usefulness of Oximetry for Sleep Apnea Screening in Frail Hospitalized Elderly. Journal of the American Medical Directors Association, 2014, 15, 447.e9-447.e14. | 1.2 | 14 |
| 123 | Cysteinyl-leukotriene pathway as a new therapeutic target for the treatment of atherosclerosis related to obstructive sleep apnea syndrome. Pharmacological Research, 2018, 134, 311-319. | 3.1 | 14 |
| 124 | Evolutionary Active Constrained Clustering for Obstructive Sleep Apnea Analysis. Data Science and Engineering, 2018, 3, 359-378. | 4.6 | 11 |
| 125 | The Impact of the COVID-19 Lockdown on Weight Loss and Body Composition in Subjects with Overweight and Obesity Participating in a Nationwide Weight-Loss Program: Impact of a Remote Consultation Follow-Upâ€"The CO-RNPC Study. Nutrients, 2021, 13, 2152. | 1.7 | 11 |
| 126 | Arterial health is related to obstructive sleep apnea severity and improves with CPAP treatment. Sleep Medicine Reviews, 2013, 17, 3-5. | 3.8 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Obstructive sleep apnea in patients surviving acute hypercapnic respiratory failure is best predicted by static hyperinflation. PLoS ONE, 2018, 13, e0205669. | 1.1 | 10 |
| 128 | Apnea-hypopnea index supplied by CPAP devices: time for standardization?. Sleep Medicine, 2021, 81, 120-122. | 0.8 | 10 |
| 129 | Artificial Intelligence Analysis of Mandibular Movements Enables Accurate Detection of Phasic Sleep Bruxism in OSA Patients: A Pilot Study. Nature and Science of Sleep, 2021, Volume 13, 1449-1459. | 1.4 | 10 |
| 130 | Cohort profile: FACE, prospective follow-up of chronic heart failure patients with sleep-disordered breathing indicated for adaptive servo ventilation. BMJ Open, 2020, 10, e038403. | 0.8 | 10 |
| 131 | Machine learning and geometric morphometrics to predict obstructive sleep apnea from 3D craniofacial scans. Sleep Medicine, 2022, 95, 76-83. | 0.8 | 10 |
| 132 | Assessment of sleep quality by pulse wave amplitude and actigraphy in children with sleep-disordered breathing: evaluation at diagnosis and under non-invasive ventilation. Sleep and Breathing, 2013, 17, 827-835. | 0.9 | 9 |
| 133 | Pressure-dependent hemodynamic effect of continuous positive airway pressure in severe chronic heart failure: A case series. International Journal of Cardiology, 2014, 171, e104-e105. | 0.8 | 9 |
| 134 | New insights in the pathophysiology of chronic intermittent hypoxia-induced NASH: the role of gutâ€“liver axis impairment. Thorax, 2015, 70, 713-715. | 2.7 | 9 |
| 135 | Interrelated atrial fibrillation and leaks triggering and maintaining central sleep apnoea and periodic breathing in a CPAP â€treated patient. Respirology Case Reports, 2020, 8, e00666. | 0.3 | 9 |
| 136 | Erectile dysfunction and obstructive sleep apnea: From mechanisms toÂaÂdistinct phenotype and combined therapeutic strategies. Sleep Medicine Reviews, 2015, 20, 1-4. | 3.8 | 8 |
| 137 | Physiological correlates to spontaneous physical activity variability in obese patients with already treated sleep apnea syndrome. Sleep and Breathing, 2017, 21, 61-68. | 0.9 | 8 |
| 138 | Periodic limb movements during sleep and blood pressure changes in sleep apnoea: Data from the European Sleep Apnoea Database. Respirology, 2020, 25, 872-879. | 1.3 | 8 |
| 139 | Apnoeaâ€“hypopnoea indices determined via continuous positive airway pressure (AHI-CPAP<sub>flow</sub>) versus those determined by polysomnography (AHI-PSG<sub>gold</sub>): a protocol for a systematic review and meta-analysis. BMJ Open, 2021, 11, e044499. | 0.8 | 8 |
| 140 | Superior hypertension control with betablockade in the European Sleep Apnea Database. Journal of Hypertension, 2021, 39, 292-301. | 0.3 | 8 |
| 141 | Assessment of the effect of the dual orexin receptor antagonist daridorexant on various indices of disease severity in patients with mild to moderate obstructive sleep apnea. Sleep Medicine, 2022, 92, 4-11. | 0.8 | 8 |
| 142 | <scp>CPAP</scp> telemonitoring can track <scp>Cheyneâ€“Stokes</scp> respiration and detect serious cardiac events: The <scp>AlertApnÃ©e</scp> Study. Respirology, 2022, 27, 161-169. | 1.3 | 8 |
| 143 | Mandibular Movement Analysis to Assess Efficacy of Oral Appliance Therapy in OSA. Chest, 2018, 154, 1340-1347. | 0.4 | 7 |
| 144 | Automated O2 titration improves exercise capacity in patients with hypercapnic chronic obstructive pulmonary disease: a randomised controlled cross-over trial. Thorax, 2019, 74, 298-301. | 2.7 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Effect of early sleep apnoea treatment with adaptive servo-ventilation in acute stroke patients on cerebral lesion evolution and neurological outcomes: study protocol for a multicentre, randomized controlled, rater-blinded, clinical trial (eSATIS: early Sleep Apnoea Treatment in Stroke). Trials, 2021, 22, 83. | 0.7 | 7 |
| 146 | Symptomatic response to CPAP in obstructive sleep apnea versus COPD- obstructive sleep apnea overlap syndrome: Insights from a large national registry. PLoS ONE, 2021, 16, e0256230. | 1.1 | 7 |
| 147 | Hidden Markov model segmentation to demarcate trajectories of residual apnoea-hypopnoea index in CPAP-treated sleep apnoea patients to personalize follow-up and prevent treatment failure. EPMA Journal, 2021, 12, 535-544. | 3.3 | 7 |
| 148 | Long-term variations of arterial stiffness in patients with obesity and obstructive sleep apnea treated with continuous positive airway pressure. PLoS ONE, 2020, 15, e0236667. | 1.1 | 6 |
| 149 | Does Endothelial Vulnerability in OSA Syndrome Promote COVID-19 Encephalopathy?. Chest, 2021, 160, e161-e164. | 0.4 | 6 |
| 150 | Feasibility of Type 3 Polygraphy for Evaluating Leak Determinants in CPAP-Treated OSA Patients. Chest, 2020, 158, 2165-2171. | 0.4 | 5 |
| 151 | The key role of the mandible in modulating airflow amplitude during sleep. Respiratory Physiology and Neurobiology, 2020, 279, 103447. | 0.7 | 5 |
| 152 | Continuous positive airway pressure adherence trajectories in sleep apnea: Clustering with summed discrete FrÃ©chet and dynamic time warping dissimilarities. Statistics in Medicine, 2021, 40, 5373-5396. | 0.8 | 5 |
| 153 | Current Knowledge and Perspectives for Pharmacological Treatment in OSA. Archivos De Bronconeumologia, 2022, 58, 681-684. | 0.4 | 5 |
| 154 | What is the best treatment strategy for obstructive sleep apnoea-related hypertension?. Hypertension Research, 2018, 41, 1070-1072. | 1.5 | 4 |
| 155 | 0601 Long-term Effects Of Solriamfetol On Quality Of Life In Participants With Excessive Daytime Sleepiness Associated With Narcolepsy Or Obstructive Sleep Apnea. Sleep, 2019, 42, A239-A239. | 0.6 | 4 |
| 156 | Detecting COVID-19 and other respiratory infections in obstructive sleep apnoea patients through CPAP device telemonitoring. Digital Health, 2021, 7, 205520762110029. | 0.9 | 4 |
| 157 | Implantable cardiac devices in sleep apnoea diagnosis: A systematic review and meta-analysis. International Journal of Cardiology, 2022, 348, 76-82. | 0.8 | 4 |
| 158 | Inhibition of Vascular Endothelial Cadherin Cleavage Prevents Elastic Fiber Alterations and Atherosclerosis Induced by Intermittent Hypoxia in the Mouse Aorta. International Journal of Molecular Sciences, 2022, 23, 7012. | 1.8 | 4 |
| 159 | Combination of obstructive sleep apnoea and insomnia treated by continuous positive airway pressure with the SensAwake pressure relief technology to assist sleep: a randomised cross-over trial protocol. BMJ Open, 2017, 7, e015836. | 0.8 | 3 |
| 160 | Gabapentinoids and sleep apnea syndrome: a safety signal from the WHO pharmacovigilance database. Sleep, 2019, 42, . | 0.6 | 3 |
| 161 | A randomized sham-controlled trial on the effect of continuous positive airway pressure treatment on gait control in severe obstructive sleep apnea patients. Scientific Reports, 2021, 11, 9329. | 1.6 | 3 |
| 162 | Bariatric surgery short-term outcomes in patients with obstructive sleep apnoea: the Severe Obesity Outcome Network prospective cohort. International Journal of Obesity, 2021, 45, 2388-2395. | 1.6 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Modeling Patient-Specific Desaturation Patterns in Sleep Apnea. IEEE Transactions on Biomedical Engineering, 2022, 69, 1502-1511. | 2.5 | 3 |
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