Jean-Christian Borel

List of Publications by Year
in descending order

123	3,190	172457	168389
papers	citations	29 h-index	53 g-index

132	132	132	2793
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Did COVID-19 impact Positive Airway Pressure adherence in 2020? A cross-sectional study of 8477 patients with sleep apnea. Respiratory Research, 2022, 23, 46.	3.6	7
2	If Oral Breathing Does Not Determine Mask Choice for CPAP Delivery, What Does?. American Journal of Respiratory and Critical Care Medicine, 2022, , .	5.6	0
3	What are the barriers to the completion of a home-based rehabilitation programme for patients awaiting surgery for lung cancer: a prospective observational study. BMJ Open, 2021, 11, e041907.	1.9	2
4	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.	5.6	15
5	Impact of Interface Type on Noninvasive Ventilation Efficacy in Patients With Neuromuscular Disease: A Randomized Cross-Over Trial. Archivos De Bronconeumologia, 2021, 57, 273-280.	0.8	0
6	Impact of Interface Type on Noninvasive Ventilation Efficacy in Patients With Neuromuscular Disease: A Randomized Cross-Over Trial. Archivos De Bronconeumologia, 2021, 57, 273-280.	0.8	3
7	Impact of Healthcare Non-Take-Up on Adherence to Long-Term Positive Airway Pressure Therapy. Frontiers in Public Health, 2021, 9, 713313.	2.7	1
8	Mask side-effects in long-term CPAP-patients impact adherence and sleepiness: the InterfaceVent real-life study. Respiratory Research, 2021, 22, 17.	3.6	23
9	Peer-driven intervention to help patients resume CPAP therapy following discontinuation: a multicentre, randomised clinical trial with patient involvement. BMJ Open, 2021, 11, e053996.	1.9	4
10	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.	6.1	7
11	Partial failure of CPAP treatment for sleep apnoea: Analysis of the French national sleep database. Respirology, 2020, 25, 104-111.	2.3	18
12	Feasibility of Type 3 Polygraphy for Evaluating Leak Determinants in CPAP-Treated OSA Patients. Chest, 2020, 158, 2165-2171.	0.8	5
13	Continuous positive airway pressure-treated patients' behaviours during the COVID-19 crisis. ERJ Open Research, 2020, 6, 00508-2020.	2.6	6
14	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.	2.5	6
15	The key role of the mandible in modulating airflow amplitude during sleep. Respiratory Physiology and Neurobiology, 2020, 279, 103447.	1.6	5
16	Bruxism Relieved Under CPAP Treatment in a Patient With OSA Syndrome. Chest, 2020, 157, e59-e62.	0.8	19
17	Energy conservation technique improves dyspnoea when patients with severe COPD climb stairs: a randomised crossover study. Thorax, 2020, 75, 510-512.	5.6	10
18	The Effect of Hospital Discharge with Empiric Noninvasive Ventilation on Mortality in Hospitalized Patients with Obesity Hypoventilation Syndrome. An Individual Patient Data Meta-Analysis. Annals of the American Thoracic Society, 2020, 17, 627-637.	3.2	26

#	Article	IF	Citations
19	Title is missing!. , 2020, 15, e0236667.		0
20	Title is missing!. , 2020, 15, e0236667.		0
21	Title is missing!. , 2020, 15, e0236667.		0
22	Title is missing!. , 2020, 15, e0236667.		0
23	Title is missing!. , 2020, 15, e0236667.		0
24	Title is missing!. , 2020, 15, e0236667.		0
25	Nasal high flow does not improve exercise tolerance in COPD patients recovering from acute exacerbation: A randomized crossover study. Respirology, 2019, 24, 1088-1094.	2.3	19
26	Respiratory Mandibular Movement Signals Reliably Identify Obstructive Hypopnea Events During Sleep. Frontiers in Neurology, 2019, 10, 828.	2.4	8
27	Comparison of Auto- and Fixed-Continuous Positive Airway Pressure on Air Leak in Patients with Obstructive Sleep Apnea: Data from a Randomized Controlled Trial. Canadian Respiratory Journal, 2019, 2019, 1-7.	1.6	9
28	Is the 2013 American Thoracic Society CPAP-tracking system algorithm useful for managing non-adherence in long-term CPAP-treated patients?. Respiratory Research, 2019, 20, 209.	3.6	8
29	Adherence to CPAP with a nasal mask combined with mandibular advancement device versus an oronasal mask: a randomized crossover trial. Sleep and Breathing, 2019, 23, 885-888.	1.7	1
30	Is it still relevant to consider polysomnography as essential for noninvasive ventilation titration?. European Respiratory Journal, 2019, 53, 1900619.	6.7	5
31	Obesity hypoventilation syndrome. European Respiratory Review, 2019, 28, 180097.	7.1	176
32	Technological advances in home nonâ€invasive ventilation monitoring: Reliability of data and effect on patient outcomes. Respirology, 2019, 24, 1143-1151.	2.3	49
33	Factors Associated with Residual Events in CPAP-Treated Sleep Apnea: Data from a Large French National Database. , 2019, , .		0
34	Impact of leaks on respiratory effort during sleep in patients treated by Non Invasive Ventilation. , 2019, , .		0
35	Acute effects of nasal high-flow during exercise in COPD patients after an exacerbation : a randomized controlled cross-over trial. , 2019, , .		0
36	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.	5.6	26

#	Article	IF	Citations
37	Chronic Ventilation in Obese Patients. , 2018, , 265-277.		1
38	Maximal exercise capacity in patients with obstructive sleep apnoea syndrome: a systematic review and meta-analysis. European Respiratory Journal, 2018, 51, 1702697.	6.7	38
39	NERO: a pilot study but important step towards comprehensive management of obesity hypoventilation syndrome. Thorax, 2018, 73, 5-6.	5.6	6
40	Determinants of Unintentional Leaks During CPAP Treatment in OSA. Chest, 2018, 153, 834-842.	0.8	27
41	Persistent respiratory effort after adenotonsillectomy in children with sleepâ€disordered breathing. Laryngoscope, 2018, 128, 1230-1237.	2.0	15
42	Quadriceps muscle fat infiltration is associated with cardiometabolic risk in <scp>COPD</scp>. Clinical Physiology and Functional Imaging, 2018, 38, 788-797.	1.2	12
43	Mandibular Movement Analysis to Assess Efficacy of Oral Appliance Therapy in OSA. Chest, 2018, 154, 1340-1347.	0.8	7
44	Development and validation of a simple tool for the assessment of home noninvasive ventilation: the S³-NIVÂquestionnaire. European Respiratory Journal, 2018, 52, 1801182.	6.7	18
45	Obstructive Sleep Apnea Syndrome, Objectively Measured Physical Activity and Exercise Training Interventions: A Systematic Review and Meta-Analysis. Frontiers in Neurology, 2018, 9, 73.	2.4	83
46	Contribution of obstructive sleep apnoea to arterial stiffness: a meta-analysis using individual patient data. Thorax, 2018, 73, 1146-1151.	5.6	26
47	Nasal Obstruction Symptom Evaluation Score to Guide Mask Selection in CPAP-Treated Obstructive Sleep Apnea. Otolaryngology - Head and Neck Surgery, 2018, 159, 590-592.	1.9	10
48	Effectiveness of a lightweight portable auto-CPAP device for the treatment of sleep apnea during high altitude stages of the Dakar Rally: a case report. Sleep Science, 2018, 11, 123-126.	1.0	4
49	The position of the mandible plays a key role for determining airflow during sleep.. , 2018, , .		0
50	Patients' expectations for a new lightweight portable noninvasive ventilator for shortness of breath. , 2018, , .		0
51	Cardiovascular Events in Moderately to Severely Obese Obstructive Sleep Apnea Patients on Positive Airway Pressure Therapy. Respiration, 2017, 93, 179-188.	2.6	7
52	Mandibular position and movements: Suitability for diagnosis of sleep apnoea. Respirology, 2017, 22, 567-574.	2.3	21
53	Prevalence of obesity hypoventilation syndrome in ambulatory obese patients attending pathology laboratories. Respirology, 2017, 22, 1190-1198.	2.3	18
54	Effects of 1â€month withdrawal of ventilatory support in hypercapnic myotonic dystrophy type 1. Respirology, 2017, 22, 1416-1422.	2.3	25

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55	Factors Contributing to Unintentional Leak During CPAP Treatment. Chest, 2017, 151, 707-719.	0.8	37
56	P167 Development and first validation of a simple tool for clinical assessment of patients treated with home NIV: The S 3 -NIV questionnaire. Chest, 2017, 151, A65.	0.8	1
57	The feasibility of a mandibular movement test as a screening tool for polysomnography candidates. European Respiratory Journal, 2017, 50, 1701076.	6.7	1
58	Effect of high-flow nasal therapy during acute aerobic exercise in patients with chronic obstructive pulmonary disease after exacerbation: protocol for a randomised, controlled, cross-over trial. BMJ Open Respiratory Research, 2017, 4, e000191.	3.0	5
59	Monitoring mandibular movements to detect Cheyne-Stokes Breathing. Respiratory Research, 2017, 18, 66.	3.6	5
60	Impact of concomitant medications on obstructive sleep apnoea. British Journal of Clinical Pharmacology, 2017, 83, 688-708.	2.4	31
61	Mandibular Movements As Accurate Reporters of Respiratory Effort during Sleep: Validation against Diaphragmatic Electromyography. Frontiers in Neurology, 2017, 8, 353.	2.4	17
62	Arterial stiffness in obese CPAP-treated obstructive sleep apnea (OSA): A seven years prospective longitudinal study. , 2017, , .		1
63	Development and validation of a simple tool for clinical assessment of patients treated with home NIV: The S3-NIV questionnaire. , 2017, , .		0
64	Prevention and care of respiratory failure in obese patients. Lancet Respiratory Medicine,the, 2016, 4, 407-418.	10.7	117
65	Diaphragm and genioglossus corticomotor excitability in patients with obstructive sleep apnea and control subjects. Journal of Sleep Research, 2016, 25, 23-30.	3.2	6
66	[OP.8B.02] ARTERIAL STIFFNESS IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA SYNDROME. Journal of Hypertension, 2016, 34, e100.	0.5	2
67	Treatment Discontinuation Following Bariatric Surgery in Obstructive Sleep Apnea: a Controlled Cohort Study. Obesity Surgery, 2016, 26, 2082-2088.	2.1	6
68	Drugs influencing acid base balance and bicarbonate concentration readings. Expert Review of Endocrinology and Metabolism, 2016, 11, 209-216.	2.4	3
69	Arterial stiffness in obstructive sleep apnea: An individual meta-analysis of contributing factors. , 2016, , .		1
70	Prevalence and diagnosis of obesity hypoventilation syndrome (OHS) in ambulatory obese patients. , 2016, , .		0
71	Cardiometabolic benefit of exercise training in obese OSA: Respective impact of non-invasive ventilation and respiratory muscle training in a randomized controlled trial. , 2016, , .		0
72	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.	2.3	29

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73	A wireless patch for sleep respiratory disorders applications. , 2015, 2015, 2279-82.		1
74	Underlying Mechanisms for Coexisting Central and Obstructive Sleep Apnea: Nocturnal PaCO₂ and Poor Sleep Quality Are Key Issues. Respiration, 2015, 89, 416-419.	2.6	5
75	Parameters recorded by software of non-invasive ventilators predict COPD exacerbation: a proof-of-concept study. Thorax, 2015, 70, 284-285.	5.6	77
76	Incident cardiovascular events in severely obese patients treated with continous positive airway pressure (CPAP)/non invasive ventilation (NIV): A 5.5-year follow-up. , 2015, , .		0
77	Arterial Stiffness in COPD. Chest, 2014, 145, 861-875.	0.8	85
78	Longâ€term adherence with nonâ€invasive ventilation improves prognosis in obese <scp>COPD</scp> patients. Respirology, 2014, 19, 857-865.	2.3	64
79	Domiciliary long-term non-invasive ventilation in COPD: should we select subgroups with a better likelihood to respond to NIV in subsequent randomised controlled trials?. Thorax, 2014, 69, 1143.1-1143.	5.6	0
80	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.	1.7	9
81	Syndrome dâ€™apnÃ©es hypopnÃ©es obstructives du sommeilÂ: quelle interface choisir pour amÃ©liorer lâ€™observance Ã la pression positive continueÂ?. Kinesitherapie, 2014, 14, 18-24.	0.1	0
82	Non-PAP Treatment Modalities in Obesity-Hypoventilation Syndrome. Sleep Medicine Clinics, 2014, 9, 357-364.	2.6	1
83	Scoring Abnormal Respiratory Events on Polysomnography During Noninvasive Ventilation. Sleep Medicine Clinics, 2014, 9, 327-339.	2.6	4
84	Impact of stepwise mandibular advancement on upper airway mechanics in obstructive sleep apnea using phrenic nerve magnetic stimulation. Respiratory Physiology and Neurobiology, 2014, 190, 131-136.	1.6	9
85	Nonalcoholic Fatty Liver Disease, Nocturnal Hypoxia, and Endothelial Function in Patients With Sleep Apnea. Chest, 2014, 145, 525-533.	0.8	70
86	Sleep Apnea and Ectopic Fat Deposition: Response. Chest, 2014, 146, e67-e68.	0.8	0
87	Polygraphic respiratory events during sleep with noninvasive ventilation in children: description, prevalence, and clinical consequences. Intensive Care Medicine, 2013, 39, 739-746.	8.2	29
88	Continuous positive airway pressure and noninvasive ventilation adherence in children. Sleep Medicine, 2013, 14, 1290-1294.	1.6	91
89	Pulse transit time as a measure of respiratory effort under noninvasive ventilation. European Respiratory Journal, 2013, 41, 346-353.	6.7	22
90	Arterial stiffness by pulse wave velocity in COPD: reliability and reproducibility. European Respiratory Journal, 2013, 42, 1140-1142.	6.7	19

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91	Acute upper airway muscle and inspiratory flow responses to transcranial magnetic stimulation during sleep in apnoeic patients. Experimental Physiology, 2013, 98, 946-956.	2.0	20
92	Impact of Different Backup Respiratory Rates on the Efficacy of Noninvasive Positive Pressure Ventilation in Obesity Hypoventilation Syndrome. Chest, 2013, 143, 37-46.	0.8	81
93	Comorbidities and Mortality in Hypercapnic Obese under Domiciliary Noninvasive Ventilation. PLoS ONE, 2013, 8, e52006.	2.5	79
94	Type of Mask May Impact on Continuous Positive Airway Pressure Adherence in Apneic Patients. PLoS ONE, 2013, 8, e64382.	2.5	124
95	Obesity Hypoventilation Syndrome: An Underdiagnosed and Undertreated Condition. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 1205-1207.	5.6	62
96	Influence of CO2 on upper airway muscles and chest wall/diaphragm corticomotor responses assessed by transcranial magnetic stimulation in awake healthy subjects. Journal of Applied Physiology, 2012, 112, 798-805.	2.5	12
97	Pulse Transit Time Allows A Reliable Non-Invasive Measurement Of Respiratory Effort Under Non-Invasive Ventilation. , 2012, , .		0
98	Obesity Hypoventilation Syndrome: Response. Chest, 2012, 142, 541-542.	0.8	2
99	Noninvasive Ventilation in Mild Obesity Hypoventilation Syndrome. Chest, 2012, 141, 692-702.	0.8	133
100	Impact of CPAP interface and mandibular advancement device on upper airway mechanical properties assessed with phrenic nerve stimulation in sleep apnea patients. Respiratory Physiology and Neurobiology, 2012, 183, 170-176.	1.6	47
101	Un patient emphysÃ©mateux dÃ©nutri. Nutrition Clinique Et Metabolisme, 2012, 26, 138-142.	0.5	0
102	Assessment of upper airway dynamics by anterior magnetic phrenic stimulation in conscious sleep apnea patients. Journal of Applied Physiology, 2012, 112, 1345-1352.	2.5	3
103	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.	1.6	32
104	Obesity hypoventilation syndrome: From sleepâ€disordered breathing to systemic comorbidities and the need to offer combined treatment strategies. Respirology, 2012, 17, 601-610.	2.3	62
105	Respiratory muscle endurance training in obese patients. International Journal of Obesity, 2011, 35, 692-699.	3.4	51
106	Severity Of Sleep Apnea And Daytime Hypoxemia Do Not Significantly Contribute To Endothelial Dysfunction In Morbidly Obese Subjects. , 2011, , .		0
107	Influence Of CO2 On Upper Airway Muscles And Diaphragm Corticomotor Responses Assessed By Transcranial Magnetic Stimulation In Awake Healthy Subjects. , 2011, , .		0
108	Assessment Of Upper Airway Dynamics In Awake Subjects Using Sternal Phrenic Nerve Magnetic Stimulation. , 2011, , .		0

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109	Benefits of home-based endurance training in lung transplant recipients. Respiratory Physiology and Neurobiology, 2011, 177, 189-198.	1.6	45
110	Assessment of upper airway dynamic properties using sternal phrenic nerve magnetic stimulation in awake subjects. Respiratory Physiology and Neurobiology, 2011, 178, 218-222.	1.6	6
111	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.	5.6	183
112	Significant Improvement in Arterial Stiffness After Endurance Training in Patients With COPD. Chest, 2010, 137, 585-592.	0.8	67
113	Pleiotropic role of IGF-I in obesity hypoventilation syndrome. Growth Hormone and IGF Research, 2010, 20, 127-133.	1.1	25
114	Endothelial Dysfunction and Specific Systemic Inflammation in Obesity Hypoventilation Syndrome.. , 2009, , .		1
115	Endothelial Dysfunction and Specific Inflammation in Obesity Hypoventilation Syndrome. PLoS ONE, 2009, 4, e6733.	2.5	70
116	Intentional Leaks in Industrial Masks Have a Significant Impact on Efficacy of Bilevel Noninvasive Ventilation. Chest, 2009, 135, 669-677.	0.8	70
117	Home exercise training with non-invasive ventilation in thoracic restrictive respiratory disorders: A randomised study. Respiratory Physiology and Neurobiology, 2009, 167, 168-173.	1.6	20
118	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.	2.6	47
119	During exercise non-invasive ventilation in chronic restrictive respiratory failure. Respiratory Medicine, 2008, 102, 711-719.	2.9	28
120	Intermittent hypoxia and sleep-disordered breathing: current concepts and perspectives. European Respiratory Journal, 2008, 32, 1082-1095.	6.7	166
121	Sleep and NIV: monitoring of the patient under home ventilation. , 2008, , 350-366.		4
122	Impaired Objective Daytime Vigilance in Obesity-Hypoventilation Syndrome. Chest, 2007, 131, 148-155.	0.8	126
123	Functional coupling of adenine nucleotide translocase and mitochondrial creatine kinase is enhanced after exercise training in lung transplant skeletal muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R1144-R1154.	1.8	56