

Bertien Buyse

List of Publications by Year in descending order

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49
papers

1,020
citations

758635

12
h-index

552369

26
g-index

51
all docs

51
docs citations

51
times ranked

1138
citing authors

#	ARTICLE	IF	CITATIONS
1	High adherence to continuous positive airway pressure (CPAP) in patients with obstructive sleep apnea (OSA) in Belgium: a narrative review. <i>Acta Clinica Belgica</i> , 2022, 77, 710-720.	0.5	6
2	Sleep Monitoring in Adults Using Wearables and Unobtrusive Technology. , 2022, , 181-228.		1
3	Obstructive sleep apnea in head and neck cancer survivors. <i>Supportive Care in Cancer</i> , 2021, 29, 279-287.	1.0	12
4	Detection and Classification of Sleep Apnea and Hypopnea Using PPG and SpO ₂ Signals. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 1496-1506.	2.5	39
5	Linear and Non-linear Quantification of the Respiratory Sinus Arrhythmia Using Support Vector Machines. <i>Frontiers in Physiology</i> , 2021, 12, 623781.	1.3	4
6	Capacitively-coupled ECG and respiration for the unobtrusive detection of sleep apnea. <i>Physiological Measurement</i> , 2021, 42, 024001.	1.2	7
7	Respiratory decline in adult patients with Becker muscular dystrophy: A longitudinal study. <i>Neuromuscular Disorders</i> , 2021, 31, 174-182.	0.3	4
8	Sleep Diagnostics for Home Monitoring of Sleep Apnea Patients. <i>Frontiers in Digital Health</i> , 2021, 3, 685766.	1.5	9
9	Automatic quality assessment of capacitively-coupled bioimpedance signals for respiratory activity monitoring. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102775.	3.5	2
10	Benchmarking Transfer Entropy Methods for the Study of Linear and Nonlinear Cardio-Respiratory Interactions. <i>Entropy</i> , 2021, 23, 939.	1.1	8
11	Capacitively-Coupled ECG and Respiration for Sleep-Wake Prediction and Risk Detection in Sleep Apnea Patients. <i>Sensors</i> , 2021, 21, 6409.	2.1	3
12	Technical aspects of cardiorespiratory estimation using subspace projections and cross entropy. <i>Physiological Measurement</i> , 2021, 42, 115008.	1.2	2
13	Supervised SVM Transfer Learning for Modality-Specific Artefact Detection in ECG. <i>Sensors</i> , 2021, 21, 662.	2.1	2
14	Cardiovascular Risk Detection in Sleep Apnea Patients from Pulse Photoplethysmography Waveform. , 2021, , .		0
15	Obstructive sleep apnea in Hutchinson-Gilford progeria. <i>Sleep Medicine</i> , 2020, 66, 21-23.	0.8	0
16	Multilevel Interval Coded Scoring to Assess the Cardiovascular Status of Sleep Apnea Patients Using Oxygen Saturation Markers. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2839-2848.	2.5	9
17	A Comparative Study of ECG-derived Respiration in Ambulatory Monitoring using the Single-lead ECG. <i>Scientific Reports</i> , 2020, 10, 5704.	1.6	65
18	Sleep apnea after lung transplantation: a cohort study. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Telecoaching to improve physical activity in patients with obstructive sleep apnea treated with CPAP. , 2020, , .		0
20	Physical activity and exercise in obstructive sleep apnea. Acta Clinica Belgica, 2019, 74, 92-101.	0.5	21
21	Artefact detection and quality assessment of ambulatory ECG signals. Computer Methods and Programs in Biomedicine, 2019, 182, 105050.	2.6	38
22	Evaluation of a Commercial Ballistocardiography Sensor for Sleep Apnea Screening and Sleep Monitoring. Sensors, 2019, 19, 2133.	2.1	29
23	Evaluation of Methods to Characterize the Change of the Respiratory Sinus Arrhythmia with Age in Sleep Apnea Patients. , 2019, 2019, 1588-1591.		2
24	Positional obstructive sleep apnoea: challenging findings in consecutive patients treated with a vibrating position trainer. Acta Clinica Belgica, 2019, 74, 405-413.	0.5	3
25	Automatic Screening of Sleep Apnea Patients Based on the SpO ₂ Signal. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 607-617.	3.9	55
26	Pulmonary arterial pressure predicts nocturnal hypoxemia in CTEPH patients.. , 2018, , .		0
27	Sleep Apnea Hypopnea Syndrome classification in SpO ₂ signals using wavelet decomposition and phase space reconstruction. , 2017, , .		13
28	Randomized cross-over trial of ventilator modes during non-invasive ventilation titration in amyotrophic lateral sclerosis. Respiriology, 2017, 22, 1212-1218.	1.3	20
29	Definition, discrimination, diagnosis and treatment of central breathing disturbances during sleep. European Respiratory Journal, 2017, 49, 1600959.	3.1	239
30	Feasibility of diaphragm pacing in patients after bilateral lung transplantation. Clinical Transplantation, 2017, 31, e13134.	0.8	10
31	Impact of insomnia on exercise capacity and quality of life in patients with pulmonary arterial hypertension. , 2017, , .		0
32	And the Doctor Continues: "But I Have to Choose My Gear Wisely" Journal of Clinical Sleep Medicine, 2016, 12, 1203-1204.	1.4	0
33	Noninvasive ventilation in amyotrophic lateral sclerosis: effects on sleep quality and quality of life. Acta Clinica Belgica, 2016, 71, 389-394.	0.5	31
34	Possible influence of AMPD ₁ on cholinergic neurotransmission and sleep. Journal of Sleep Research, 2016, 25, 124-126.	1.7	0
35	Noninvasive Ventilation Improves Sleep in Amyotrophic Lateral Sclerosis: A Prospective Polysomnographic Study. Journal of Clinical Sleep Medicine, 2015, 11, 559-566.	1.4	72
36	A Novel Algorithm for the Automatic Detection of Sleep Apnea From Single-Lead ECG. IEEE Transactions on Biomedical Engineering, 2015, 62, 2269-2278.	2.5	246

#	ARTICLE	IF	CITATIONS
37	Upper Airway Obstruction during Noninvasive Ventilation Induced by the Use of an Oronasal Mask. Journal of Clinical Sleep Medicine, 2014, 10, 1033-1035.	1.4	19
38	Robust artefact detection in long-term ECG recordings based on autocorrelation function similarity and percentile analysis. , 2012, 2012, 3151-4.		22
39	Pulse Photoplethysmography Derived Respiration for Obstructive Sleep Apnea Detection. , 0, , .		5
40	Assessing Cardiovascular Comorbidities in Sleep Apnea Patients Using SpO2. , 0, , .		2
41	ECG Artefact Detection Using Ensemble Decision Trees. , 0, , .		6
42	Evaluation of a Continuous ECG Quality Indicator Based on the Autocorrelation Function. , 0, , .		1
43	Sleep Apnea Detection Using Pulse Photoplethysmography. , 0, , .		8
44	Respiratory Sinus Arrhythmia in Apnea Patients With Apnea Associated Comorbidities. , 0, , .		0
45	Unsupervised Artefact Detection and Screening Using Emfit Sensor in Patients With Sleep Apnea. , 0, , .		0
46	The Cardiorespiratory Graph in Sleep Apnea and Associated Comorbidities. , 0, , .		0
47	Sleep-Wake Classification for Home Monitoring of Sleep Apnea Patients. , 0, , .		2
48	A Robust Estimation of the Cardiorespiratory Coupling in the Presence of Abnormal Beats. , 0, , .		1
49	Unobtrusive, through-clothing ECG and Bioimpedance Monitoring in Sleep Apnea Patients. , 0, , .		2