

Thomas Penzel

List of Publications by Year in descending order

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Version: 2024-02-01

566
papers

20,620
citations

16411

64
h-index

15683

125
g-index

683
all docs

683
docs citations

683
times ranked

14949
citing authors

#	ARTICLE	IF	CITATIONS
1	Dreamâ€enactment behaviours during the <scp>COVID</scp>â€19 pandemic: an international <scp>COVID</scp>â€19 sleep study. <i>Journal of Sleep Research</i> , 2023, 32, .	1.7	10
2	Socioeconomic factors do not predict sleep apnea in a population sample from Mecklenburg-Western Pomerania, Germany. <i>Sleep and Breathing</i> , 2023, 27, 459-467.	0.9	4
3	Effects of sacubitril-valsartan on central and obstructive apneas in heart failure patients with reduced ejection fraction. <i>Sleep and Breathing</i> , 2023, 27, 283-289.	0.9	2
4	Reconstruction of Pulse Wave and Respiration From Wrist Accelerometer During Sleep. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 830-839.	2.5	3
5	Estimation of Sleep Stages Analyzing Respiratory and Movement Signals. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 505-514.	3.9	16
6	Initiation of therapy for obstructive sleep apnea syndrome: a randomized comparison of outcomes of telemetry-supported home-based vs. sleep lab-based therapy initiation. <i>Sleep and Breathing</i> , 2022, 26, 269-277.	0.9	10
7	Evening-types show highest increase of sleep and mental health problems during the COVID-19 pandemicâ€ multinational study on 19 267 adults. <i>Sleep</i> , 2022, 45, .	0.6	42
8	Endorsement of: â€œtreatment of adult obstructive sleep apnea with positive airway pressure: an American academy of Sleep Medicine Clinical Practice Guidelineâ€by World Sleep Society. <i>Sleep Medicine</i> , 2022, 89, 19-22.	0.8	5
9	Is the Epworth Sleepiness Scale Sufficient to Identify the Excessively Sleepy Subtype of OSA?. <i>Chest</i> , 2022, 161, 557-561.	0.4	9
10	Diagnostic Performance of Machine Learning-Derived OSA Prediction Tools in Large Clinical and Community-Based Samples. <i>Chest</i> , 2022, 161, 807-817.	0.4	11
11	Peripheral arterial tonometryâ€PAT technology. <i>Sleep Medicine Reviews</i> , 2022, 61, 101566.	3.8	15
12	High Frequency-Low Amplitude Oscillometry: Continuous Unobtrusive Monitoring of Respiratory Function on PAP Machines. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 2202-2211.	2.5	2
13	Sleep and circadian informatics data harmonization: a workshop report from the Sleep Research Society and Sleep Research Network. <i>Sleep</i> , 2022, 45, .	0.6	8
14	Nightmares in People with COVID-19: Did Coronavirus Infect Our Dreams?. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 93-108.	1.4	25
15	Disturbances in sleep, circadian rhythms and daytime functioning in relation to coronavirus infection and Longâ€COVID â€ A multinational ICSS study. <i>Journal of Sleep Research</i> , 2022, 31, e13542.	1.7	21
16	Health data security and privacy: Challenges and solutions for the future. , 2022, , 335-362.		2
17	Management of Obstructive Sleep Apnea in Patients With Heart Failure. <i>Frontiers in Medicine</i> , 2022, 9, 803388.	1.2	2
18	Opium Versus Methadone Effects on Polysomnographic Characteristics of Patients With Obesity Hypoventilation Syndrome. <i>Basic and Clinical Neuroscience</i> , 2022, .	0.3	0

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19	Detection of Common Arrhythmias by the Watch-PAT: Expression of Electrical Arrhythmias by Pulse Recording. <i>Nature and Science of Sleep</i> , 2022, Volume 14, 751-763.	1.4	5
20	Sleep medicine guidelines, recommendations for clinical practice: the role of the <scp>European Sleep Research Society</scp>. <i>Journal of Sleep Research</i> , 2022, , e13614.	1.7	0
21	Hypoxia Differentially Affects Healthy Men and Women During a Daytime Nap With a Dose-Response Relationship: a Randomized, Cross-Over Pilot Study. <i>Frontiers in Physiology</i> , 2022, 13, .	1.3	2
22	Management of obstructive sleep apnea in Europe â€“ A 10-year follow-up. <i>Sleep Medicine</i> , 2022, 97, 64-72.	0.8	13
23	3D Camera and Pulse Oximeter for Respiratory Events Detection. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 181-188.	3.9	8
24	Safety and effectiveness in explantation and re-implantation of hypoglossal nerve stimulation devices. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021, 278, 477-483.	0.8	4
25	Clusters of sleep apnoea phenotypes: A large panâ€“European study from the European Sleep Apnoea Database (ESADA). <i>Respirology</i> , 2021, 26, 378-387.	1.3	34
26	European Respiratory Society statement on sleep apnoea, sleepiness and driving risk. <i>European Respiratory Journal</i> , 2021, 57, 2001272.	3.1	48
27	Obstructive sleep apnoea in adult patients post-tonsillectomy. <i>Sleep Medicine</i> , 2021, 78, 189-192.	0.8	3
28	Developing an Alternative Version of the Epworth Sleepiness Scale to Assess Daytime Sleepiness in Adults with Physical or Mental Disabilities. <i>Gerontology</i> , 2021, 67, 49-59.	1.4	7
29	Is snoring during pregnancy a predictor of later life obstructive sleep apnoea? A caseâ€“control study. <i>Sleep Medicine</i> , 2021, 79, 190-194.	0.8	4
30	Sleep and circadian problems during the coronavirus disease 2019 (COVIDâ€“19) pandemic: the International COVIDâ€“19 Sleep Study (ICOSS). <i>Journal of Sleep Research</i> , 2021, 30, e13206.	1.7	54
31	Associations between sleep apnea and advanced brain aging in a large-scale population study. <i>Sleep</i> , 2021, 44, .	0.6	27
32	Sleep â€“ the yet underappreciated player in cardiovascular diseases: A clinical review from the German Cardiac Society Working Group on Sleep Disordered Breathing. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 189-200.	0.8	29
33	SchlafstÃ¶rungen â€“ PrÃ¤valenz, Bedeutung und Implikationen fÃ¼r die PrÃ¤vention und GesundheitsfÃ¶rderung. <i>The Springer Reference Pflege/ErnÃ„hrung</i> , 2021, , 947-954.	0.2	2
34	Heart rate variability during wakefulness as a marker of obstructive sleep apnea severity. <i>Sleep</i> , 2021, 44, .	0.6	34
35	IEEE Access Special Section Editorial: Advanced Information Sensing and Learning Technologies for Data-Centric Smart Health Applications. <i>IEEE Access</i> , 2021, 9, 30404-30407.	2.6	3
36	Video-based sleep detection using ocular signals under the standard conditions of the maintenance of wakefulness test in patients with sleep disorders. <i>Physiological Measurement</i> , 2021, 42, 014004.	1.2	5

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37	Sleep-Related Modulations of Heart Rate Variability, ECG, and Cardio-Respiratory Coupling. Understanding Complex Systems, 2021, , 311-327.	0.3	0
38	Nocturnal respiratory rate predicts ICD benefit: A prospective, controlled, multicentre cohort study. EclinicalMedicine, 2021, 31, 100695.	3.2	3
39	Healthcare and data privacy requirements for e-health cloud: A qualitative analysis of clinician perspectives. , 2021, , .		2
40	Time-dependence and comparison of regional and overall anthropometric features between Asian and Caucasian populations with obstructive sleep apnea: a cumulative meta-analysis. Journal of Thoracic Disease, 2021, 13, 1746-1759.	0.6	6
41	From sleep medicine to medicine during sleepâ€“a clinical perspective. Physiological Measurement, 2021, 42, 044006.	1.2	3
42	The association between high risk of sleep apnea, comorbidities, and risk of COVID-19: a population-based international harmonized study. Sleep and Breathing, 2021, 25, 849-860.	0.9	37
43	Heart rate variability changes by nonâ€“invasive ventilation in obesity hypoventilation syndrome. Clinical Respiratory Journal, 2021, 15, 770-778.	0.6	1
44	Electrophysiological Brain-Cardiac Coupling in Train Drivers during Monotonous Driving. International Journal of Environmental Research and Public Health, 2021, 18, 3741.	1.2	6
45	Beyond the AHIâ€“pulse wave analysis during sleep for recognition of cardiovascular risk in sleep apnea patients. Journal of Sleep Research, 2021, 30, e13364.	1.7	13
46	The role of actigraphy in sleep medicine. Somnologie, 2021, 25, 89-98.	0.9	11
47	Positive airway pressure (PAP) treatment reduces glycated hemoglobin (HbA1c) levels in obstructive sleep apnea patients with concomitant weight loss: Longitudinal data from the ESADA. Journal of Sleep Research, 2021, 30, e13331.	1.7	3
48	Prospective Cohort Studies of Major Disorders Can Facilitate Phenotyping for Sleep Apnea. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1062-1063.	2.5	0
49	Screening for obstructive sleep apnea using a contact-free system compared with polysomnography. Journal of Clinical Sleep Medicine, 2021, 17, 1075-1082.	1.4	11
50	Home Sleep Apnea Testing with Telemedicine in Ostensibly Healthy Adults. , 2021, , .		1
51	Sleep medicine catalogue of knowledge and skills â€“ Revision. Journal of Sleep Research, 2021, 30, e13394.	1.7	10
52	Interrater sleep stage scoring reliability between manual scoring from two European sleep centers and automatic scoring performed by the artificial intelligenceâ€“based Stanford-STAGES algorithm. Journal of Clinical Sleep Medicine, 2021, 17, 1237-1247.	1.4	27
53	The Different Faces of Insomnia. Frontiers in Psychiatry, 2021, 12, 683943.	1.3	10
54	Brain Mechanisms of COVID-19-Sleep Disorders. International Journal of Molecular Sciences, 2021, 22, 6917.	1.8	26

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55	Thanks, farewells, and welcome. <i>Sleep and Breathing</i> , 2021, , 1.	0.9	0
56	The Different Facets of Heart Rate Variability in Obstructive Sleep Apnea. <i>Frontiers in Psychiatry</i> , 2021, 12, 642333.	1.3	26
57	Biophotonic Strategies of Measurement and Stimulation of the Cranial and the Extracranial Lymphatic Drainage Function. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-13.	1.9	13
58	Wavelet skeletons in sleep EEG-monitoring as biomarkers of early diagnostics of mild cognitive impairment. <i>Chaos</i> , 2021, 31, 073110.	1.0	13
59	Decrease of coherence between the respiration and parasympathetic control of the heart rate with aging. <i>Chaos</i> , 2021, 31, 073105.	1.0	11
60	Photomodulation of lymphatic delivery of liposomes to the brain bypassing the blood-brain barrier: new perspectives for glioma therapy. <i>Nanophotonics</i> , 2021, 10, 3215-3227.	2.9	20
61	Reliability of heart-rate-variability features derived from ultra-short ECG recordings and their validity in the assessment of cardiac autonomic neuropathy. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102651.	3.5	13
62	Feasibility of Transcatheter Caval Valve Implantation to Improve Sleep-Disordered Breathing in Patients With Severe Tricuspid Regurgitationâ€”A Pilot Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 673164.	1.1	0
63	The Effect of Night Duty of Pharmacists on Sleepiness and Concentration at Daytime. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9211.	1.2	0
64	Modified wavelet analysis of ECoG-pattern as promising tool for detection of the bloodâ€”brain barrier leakage. <i>Scientific Reports</i> , 2021, 11, 18505.	1.6	16
65	New Trends and New Technologies in Sleep Medicine. <i>Sleep Medicine Clinics</i> , 2021, 16, 475-483.	1.2	6
66	How our Dreams Changed During the COVID-19 Pandemic: Effects and Correlates of Dream Recall Frequency - a Multinational Study on 19,355 Adults. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 1573-1591.	1.4	30
67	Insomnia, anxiety, and depression during the COVID-19 pandemic: an international collaborative study. <i>Sleep Medicine</i> , 2021, 87, 38-45.	0.8	177
68	A Comparison of Objective and Subjective Sleep Quality Measurement in a Group of Elderly Persons in a Home Environment. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 286-291.	0.3	2
69	IEEE Access Special Section Editorial: Smart Health Sensing and Computational Intelligence: From Big Data to Big Impacts. <i>IEEE Access</i> , 2021, 9, 30452-30455.	2.6	5
70	Association Between Obstructive Sleep Apnea and Brain White Matter Hyperintensities in a Population-Based Cohort in Germany. <i>JAMA Network Open</i> , 2021, 4, e2128225.	2.8	25
71	New Paths in Respiratory Sleep Medicine. <i>Sleep Medicine Clinics</i> , 2021, 16, 619-634.	1.2	7
72	Simple and Unbiased OSA Prescreening: Introduction of a New Morphologic OSA Prediction Score. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 2039-2049.	1.4	7

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73	Night Photostimulation of Clearance of Beta-Amyloid from Mouse Brain: New Strategies in Preventing Alzheimer's Disease. <i>Cells</i> , 2021, 10, 3289.	1.8	29
74	Enhancing Current Cardiorespiratory-based Approaches of Sleep Stage Classification by Temporal Feature Stacking. , 2021, 2021, 5518-5522.		0
75	Directional Couplings Between Electroencephalogram and Interbeat Intervals Signals in Awake State and Different Stages of Sleep. , 2021, 2021, 5398-5402.		1
76	Synchronization of the Processes of Autonomic Control of Blood Circulation in Humans Is Different in the Awake State and in Sleep Stages. <i>Frontiers in Neuroscience</i> , 2021, 15, 791510.	1.4	4
77	Sleep Apnea & Chronic Obstructive Pulmonary Disease: Overlap Syndrome Dynamics in Patients from an Epidemiological Study. , 2021, 2021, 5574-5577.		3
78	Automatic Sleep Staging in Children with Sleep Apnea using Photoplethysmography and Convolutional Neural Networks. , 2021, 2021, 216-219.		3
79	From sleep medicine to medicine during sleep. <i>Physiological Measurement</i> , 2021, 42, 120301.	1.2	1
80	Associations of objective and subjective sleep quality with MRI markers of brain ageing and Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
81	Sleep and daytime problems during the COVID-19 pandemic and effects of coronavirus infection, confinement and financial suffering: a multinational survey using a harmonised questionnaire. <i>BMJ Open</i> , 2021, 11, e050672.	0.8	41
82	Detecting central sleep apnea in adult patients using WatchPAT's a multicenter validation study. <i>Sleep and Breathing</i> , 2020, 24, 387-398.	0.9	46
83	Unique sleep-stage transitions determined by obstructive sleep apnea severity, age and gender. <i>Journal of Sleep Research</i> , 2020, 29, e12895.	1.7	8
84	Effects of sleep on a high-heat capacity mattress on sleep stages, EEG power spectra, cardiac interbeat intervals and body temperatures in healthy middle-aged men. <i>Sleep</i> , 2020, 43, .	0.6	14
85	A sleep intervention study comparing effects of sleep restriction and fragmentation on sleep and vigilance and the need for recovery. <i>Physiology and Behavior</i> , 2020, 215, 112794.	1.0	6
86	Periodic limb movements during sleep and blood pressure changes in sleep apnoea: Data from the European Sleep Apnoea Database. <i>Respirology</i> , 2020, 25, 872-879.	1.3	8
87	Alternative algorithms and devices in sleep apnoea diagnosis: what we know and what we expect. <i>Current Opinion in Pulmonary Medicine</i> , 2020, 26, 650-656.	1.2	8
88	Deep Recurrent Neural Networks for Automatic Detection of Sleep Apnea from Single Channel Respiration Signals. <i>Sensors</i> , 2020, 20, 5037.	2.1	48
89	Efficacy of Frequency Domain Parameters applied onto ultra-short ECG Recordings in the Diagnosis of Definite Cardiac Autonomic Neuropathy - Comparing Lomb-Scargle-Periodogram and Fast-Fourier-Transform. , 2020, , .		0
90	<p>The Psychomotor Vigilance Test Compared to a Divided Attention Steering Simulation in Patients with Moderate or Severe Obstructive Sleep Apnea</p>. <i>Nature and Science of Sleep</i> , 2020, Volume 12, 509-524.	1.4	8

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91	10 Years Follow-Up: The Correlation Among Obstructive Sleep Apnea Syndrome, Hypertension, Diabetes Disease and Death. , 2020, , .		0
92	0603 Divided Attention Steering Simulator Compared to Other Daytime Sleepiness Tests in Sleep Apnea. Sleep, 2020, 43, A230-A231.	0.6	0
93	Sleep as a Novel Biomarker and a Promising Therapeutic Target for Cerebral Small Vessel Disease: A Review Focusing on Alzheimerâ€™s Disease and the Blood-Brain Barrier. International Journal of Molecular Sciences, 2020, 21, 6293.	1.8	38
94	Distinguish Obstructive and Central Sleep Apnea by Portable Peripheral Arterial Tonometry. , 2020, 2020, 2780-2783.		3
95	Reconstruction of the respiratory signal through ECG and wrist accelerometer data. Scientific Reports, 2020, 10, 14530.	1.6	11
96	Peripheral Arterial Tonometry Used to Distinguish Central And Obstructive Sleep Apnea Events. , 2020, , .		0
97	Screening for obstructive sleep apnea with novel hybrid acoustic smartphone app technology. Journal of Thoracic Disease, 2020, 12, 4476-4495.	0.6	39
98	Embedded system for non-obtrusive sleep apnea detection. , 2020, 2020, 2776-2779.		6
99	Reply to Hunasikatti commentary: Reinventing polysomnography in the age of precision medicine-Not at cost of discarding the hard data. Sleep Medicine Reviews, 2020, 54, 101373.	3.8	1
100	<p>Watch-PAT is Useful in the Diagnosis of Sleep Apnea in Patients with Atrial Fibrillation</p>. Nature and Science of Sleep, 2020, Volume 12, 1115-1121.	1.4	29
101	The Prevalence of Sleep Apnea in Different Ethnic the Prevalence of Sleep Apnea in Different Ethnic People of the Karamay Community. , 2020, , .		0
102	Classification and Detection of Heart Rhythm Irregularities using Machine Learning. , 2020, , .		1
103	Overnight pulse wave analysis to assess autonomic changes during sleep in insomnia patients and healthy sleepers. PLoS ONE, 2020, 15, e0232589.	1.1	10
104	On the rise and fall of the apneaâ€™hypopnea index: A historical review and critical appraisal. Journal of Sleep Research, 2020, 29, e13066.	1.7	167
105	Long-term positive airway pressure therapy is associated with reduced total cholesterol levels in patients with obstructive sleep apnea: data from the European Sleep Apnea Database (ESADA). Sleep Medicine, 2020, 75, 201-209.	0.8	9
106	Editorial: Mental Disorders Associated With Neurological Diseases. Frontiers in Psychiatry, 2020, 11, 196.	1.3	6
107	On the use of actigraphy in clinical evaluation of diurnal blood pressure profile. Somnologie, 2020, 24, 90-96.	0.9	0
108	Detection of Respiratory Events by Respiratory Effort and Oxygen Desaturation. Journal of Medical and Biological Engineering, 2020, 40, 517-525.	1.0	5

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109	CPAP Treatment and Cardiovascular Prevention. <i>Chest</i> , 2020, 157, 1046-1047.	0.4	7
110	Reinventing polysomnography in the age of precision medicine. <i>Sleep Medicine Reviews</i> , 2020, 52, 101313.	3.8	57
111	Single-channel oximetry monitor versus in-lab polysomnography oximetry analysis: does it make a difference?. <i>Physiological Measurement</i> , 2020, 41, 044007.	1.2	12
112	Defining Extreme Phenotypes of OSA Across International Sleep Centers. <i>Chest</i> , 2020, 158, 1187-1197.	0.4	14
113	Overnight polysomnography and the recording of sleep and sleep-related respiration in orchestra musicians – possible protective effects of wind instruments on respiration. <i>PLoS ONE</i> , 2020, 15, e0231549.	1.1	2
114	Simulating Dynamics of Circulation in the Awake State and Different Stages of Sleep Using Non-autonomous Mathematical Model With Time Delay. <i>Frontiers in Physiology</i> , 2020, 11, 612787.	1.3	6
115	Photoplethysmographic-based automated sleep-wake classification using a support vector machine. <i>Physiological Measurement</i> , 2020, 41, 075013.	1.2	11
116	Comparison of the Oxford Sleep Resistance Test and the Multiple Sleep Latency Test. <i>Physiological Measurement</i> , 2020, 41, 104005.	1.2	4
117	Machine learning for nocturnal mass diagnosis of atrial fibrillation in a population at risk of sleep-disordered breathing. <i>Physiological Measurement</i> , 2020, 41, 104001.	1.2	4
118	Long-term variability of the apnea-hypopnea index in a patient with mild to moderate obstructive sleep apnea. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 319-323.	1.4	16
119	Effects of sleep apnea and kidney dysfunction on objective sleep quality in nondialyzed patients with chronic kidney disease: an ESADA study. <i>Journal of Clinical Sleep Medicine</i> , 2020, 16, 1475-1481.	1.4	3
120	Computer und Computernetzwerke in der Schlafmedizin. <i>Springer Reference Medizin</i> , 2020, , 1-5.	0.0	0
121	Elektrokardiogramm. <i>Springer Reference Medizin</i> , 2020, , 1-5.	0.0	0
122	Elektrookulogramm. <i>Springer Reference Medizin</i> , 2020, , 1-4.	0.0	0
123	Pulse wave analysis for recognition of cardiovascular risk in sleep apnea patients. , 2020, , .		0
124	Prediction of obstructive sleep apnea using a morphologic score: A SAGIC Study. , 2020, , .		0
125	Kardiorespiratorische Polysomnographie. <i>Springer Reference Medizin</i> , 2020, , 1-9.	0.0	0
126	Messung von Schlaf und Schläfrigkeit. , 2020, , 21-30.		0

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127	Apparative Untersuchungen. , 2020, , 77-83.		0
128	Neue Entwicklungen in der Schlafmedizin. , 2020, , 707-712.		0
129	Clinical Aspects in Sleep Disorders and Apnea. , 2020, , 223-242.		0
130	The Association of Sleep Duration and Quality with Heart Rate Variability and Blood Pressure. Tanaffos, 2020, 19, 135-143.	0.5	7
131	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
132	Editorial: Anatomy of Upper Airway and Neuronal Control of Pharyngeal Muscles in Obstructive Sleep Apnea. Frontiers in Neurology, 2019, 10, 733.	1.1	2
133	<p>A comparison between auto-scored apnea-hypopnea index and oxygen desaturation index in the characterization of positional obstructive sleep apnea</p>. Nature and Science of Sleep, 2019, Volume 11, 69-78.	1.4	7
134	Hyperlipidaemia prevalence and cholesterol control in obstructive sleep apnoea: Data from the European sleep apnea database (ESADA). Journal of Internal Medicine, 2019, 286, 676-688.	2.7	21
135	Technology to Detect Driver Sleepiness. Sleep Medicine Clinics, 2019, 14, 463-468.	1.2	5
136	0502 Watchpat Is Accurate In The Diagnosis of Sleep Apnea in the Presence of Atrial Fibrillation. Sleep, 2019, 42, A201-A201.	0.6	1
137	Wearable Multimodal Stethoscope Patch for Wireless Biosignal Acquisition and Long-Term Auscultation. , 2019, 2019, 5781-5785.		22
138	Use of large patient registries in sleep apnea patients““Results from the ESADA database. Sleep Medicine, 2019, 59, 66.	0.8	0
139	Sleep quality of subjects with and without sleep-disordered breathing based on the cyclic alternating pattern rate estimation from single-lead ECG. Physiological Measurement, 2019, 40, 105009.	1.2	5
140	0459 Diagnostic Performance of Symptomless Obstructive Sleep Apnea Prediction Tools in Clinical and Community-based Samples. Sleep, 2019, 42, A184-A185.	0.6	4
141	A Performant Web-Based Visualization, Assessment, and Collaboration Tool for Multidimensional Biosignals. Frontiers in Neuroinformatics, 2019, 13, 65.	1.3	2
142	0231 Effects of Sleep Restriction and Fragmentation on the Autonomous Nervous System. Sleep, 2019, 42, A95-A95.	0.6	0
143	Measurement of respiratory effort in sleep by 3D“camera and“respiratory inductance plethysmography. Somnologie, 2019, 23, 86-92.	0.9	8
144	Tracheal sound analysis for detection of sleep disordered breathing. Somnologie, 2019, 23, 80-85.	0.9	13

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145	Cancer prevalence is increased in females with sleep apnoea: data from the ESADA study. <i>European Respiratory Journal</i> , 2019, 53, 1900091.	3.1	22
146	Comment to the Editorial by KS Park and EW Kang "only fixed positive airway pressure a robust tool for kidney protection in patients with obstructive sleep apnea?" <i>Journal of Thoracic Disease</i> , 2019, 11, S480-S482.	0.6	0
147	A Review of Approaches for Sleep Quality Analysis. <i>IEEE Access</i> , 2019, 7, 24527-24546.	2.6	61
148	Apnea and hypopnea characterization using esophageal pressure, respiratory inductance plethysmography, and suprasternal pressure: a comparative study. <i>Sleep and Breathing</i> , 2019, 23, 1169-1176.	0.9	11
149	Screening for Obstructive Sleep Apnea in Commercial Drivers Using EKG-Derived Respiratory Power Index. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 23-32.	1.4	9
150	A Global Comparison of Anatomic Risk Factors and Their Relationship to Obstructive Sleep Apnea Severity in Clinical Samples. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 629-639.	1.4	49
151	Comparison of Apnea Detection Using Oronasal Thermal Airflow Sensor, Nasal Pressure Transducer, Respiratory Inductance Plethysmography and Tracheal Sound Sensor. <i>Journal of Clinical Sleep Medicine</i> , 2019, 15, 285-292.	1.4	32
152	Recognition of Sleep/Wake States analyzing Heart Rate, Breathing and Movement Signals*. , 2019, 2019, 5712-5715.		8
153	Effects of optimized heart failure medication on central sleep apnea with Cheyne-Stokes respiration pattern in chronic heart failure with reduced left-ventricular ejection fraction. , 2019, 2019, 5723-5726.		2
154	Extreme Phenotypes of Obstructive Sleep Apnea Across International Sleep Centers: An Objective Definition. , 2019, , .		0
155	Hospitalizations Before and After Sleep-Disordered Breathing Diagnosis and Treatment in Heart Failure and Chronic Obstructive Pulmonary Disease Patients: A Multicentre Retrospective Analysis. , 2019, , .		0
156	Contactless recording of sleep apnea and periodic leg movements by nocturnal 3-D-video and subsequent visual perceptive computing. <i>Scientific Reports</i> , 2019, 9, 16812.	1.6	15
157	Sleep Staging Monitoring Based on Sonar Smartphone Technology. , 2019, 2019, 2230-2233.		16
158	Detection of Sleep Apnea Using Sonar Smartphone Technology. , 2019, 2019, 7193-7196.		10
159	Detection and analysis of pulse waves during sleep via wrist-worn actigraphy. <i>PLoS ONE</i> , 2019, 14, e0226843.	1.1	6
160	Sleep-Wake Classification using Statistical Features Extracted from Photoplethysmographic Signals. , 2019, 2019, 5564-5567.		7
161	Network physiology in insomnia patients: Assessment of relevant changes in network topology with interpretable machine learning models. <i>Chaos</i> , 2019, 29, 123129.	1.0	8
162	Home sleep apnea testing: comparison of manual and automated scoring across international sleep centers. <i>Sleep and Breathing</i> , 2019, 23, 25-31.	0.9	11

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163	Time domain characterization for sleep apnea in oronasal airflow signal: a dynamic threshold classification approach. <i>Physiological Measurement</i> , 2019, 40, 054007.	1.2	14
164	Prevalence and associated risk factors of periodic limb movement in sleep in two German population-based studies. <i>Sleep</i> , 2019, 42, .	0.6	34
165	Nocturnal ventricular repolarization lability predicts cardiovascular mortality in the Sleep Heart Health Study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H495-H505.	1.5	12
166	Use of the Clinical Global Impression scale in sleep apnea patients—Results from the ESADA database. <i>Sleep Medicine</i> , 2019, 59, 56-65.	0.8	8
167	Insomnia symptoms combined with nocturnal hypoxia associate with cardiovascular comorbidity in the European sleep apnea cohort (ESADA). <i>Sleep and Breathing</i> , 2019, 23, 805-814.	0.9	19
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