Akseli Leino

List of Publications by Year
in descending order

14 papers	**333** citations	933447 **10** h-index	1058476 **14** g-index
15 all docs	**15** docs citations	**15** times ranked	**314** citing authors

#	Article	IF	Citations
1	Deep learning enables sleep staging from photoplethysmogram for patients with suspected sleep apnea. Sleep, 2020, 43, .	1.1	73
2	Accurate Deep Learning-Based Sleep Staging in a Clinical Population with Suspected Obstructive Sleep Apnea. IEEE Journal of Biomedical and Health Informatics, 2019, 24, 1-1.	6.3	64
3	Effect of Sweating on Electrode-Skin Contact Impedances and Artifacts in EEG Recordings With Various Screen-Printed Ag/Agcl Electrodes. IEEE Access, 2020, 8, 50934-50943.	4.2	36
4	Severe desaturations increase psychomotor vigilance task-based median reaction time and number of lapses in obstructive sleep apnoea patients. European Respiratory Journal, 2020, 55, 1901849.	6.7	35
5	Neural network analysis of nocturnal SpO2 signal enables easy screening of sleep apnea in patients with acute cerebrovascular disease. Sleep Medicine, 2021, 79, 71-78.	1.6	24
6	Automatic Respiratory Event Scoring in Obstructive Sleep Apnea Using a Long Short-Term Memory Neural Network. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2917-2927.	6.3	24
7	Detailed Assessment of Sleep Architecture With Deep Learning and Shorter Epoch-to-Epoch Duration Reveals Sleep Fragmentation of Patients With Obstructive Sleep Apnea. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2567-2574.	6.3	16
8	Estimating daytime sleepiness with previous night electroencephalography, electrooculography, and electromyography spectrograms in patients with suspected sleep apnea using a convolutional neural network. Sleep, 2020, 43, .	1.1	12
9	Power spectral densities of nocturnal pulse oximetry signals differ in OSA patients with and without daytime sleepiness. Sleep Medicine, 2020, 73, 231-237.	1.6	11
10	Deep Learning Enables Accurate Automatic Sleep Staging Based on Ambulatory Forehead EEG. IEEE Access, 2022, 10, 26554-26566.	4.2	11
11	Improved Sweat Artifact Tolerance of Screen-Printed EEG Electrodes by Material Selection-Comparison of Electrochemical Properties in Artificial Sweat. IEEE Access, 2019, 7, 133237-133247.	4.2	10
12	Acute stroke and TIA patients have specific polygraphic features of obstructive sleep apnea. Sleep and Breathing, 2020, 24, 1495-1505.	1.7	10
13	Increased nocturnal arterial pulsation frequencies of obstructive sleep apnoea patients is associated with an increased number of lapses in a psychomotor vigilance task. ERJ Open Research, 2020, 6, 00277-2020.	2.6	4
14	Self-Applied Electrode Set Provides a Clinically Feasible Solution Enabling EEG Recording in Home Sleep Apnea Testing. IEEE Access, 2022, 10, 60633-60642.	4.2	3