Preben Kidmose

List of Publications by Year
in descending order

61	1,910	361413 20	361022 35
papers	citations	h-index	g-index

62	62	62	1374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The In-the-Ear Recording Concept: User-Centered and Wearable Brain Monitoring. IEEE Pulse, 2012, 3, 32-42.	0.3	192
2	A Study of Evoked Potentials From Ear-EEG. IEEE Transactions on Biomedical Engineering, 2013, 60, 2824-2830.	4.2	151
3	In-Ear EEG From Viscoelastic Generic Earpieces: Robust and Unobtrusive 24/7 Monitoring. IEEE Sensors Journal, 2016, 16, 271-277.	4.7	143
4	EEG Recorded from the Ear: Characterizing the Ear-EEG Method. Frontiers in Neuroscience, 2015, 9, 438.	2.8	128
5	Dry-Contact Electrode Ear-EEG. IEEE Transactions on Biomedical Engineering, 2019, 66, 150-158.	4.2	104
6	Dropletâ€Based Techniques for Printing of Functional Inks for Flexible Physical Sensors. Advanced Materials, 2021, 33, e2006792.	21.0	90
7	Time-Frequency Analysis of EEG Asymmetry Using Bivariate Empirical Mode Decomposition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 366-373.	4.9	84
8	Accurate whole-night sleep monitoring with dry-contact ear-EEG. Scientific Reports, 2019, 9, 16824.	3.3	68
9	Ear-EEG detects ictal and interictal abnormalities in focal and generalized epilepsy â€“ A comparison with scalp EEG monitoring. Clinical Neurophysiology, 2017, 128, 2454-2461.	1.5	67
10	Automatic sleep staging using ear-EEG. BioMedical Engineering OnLine, 2017, 16, 111.	2.7	55
11	Auditory evoked responses from Ear-EEG recordings. , 2012, 2012, 586-9.		54
12	An in-the-ear platform for recording electroencephalogram. , 2011, 2011, 6882-5.		53
13	Case comparison of sleep features from ear-EEG and scalp-EEG. Sleep Science, 2016, 9, 69-72.	1.0	48
14	Physiological artifacts in scalp EEG and ear-EEG. BioMedical Engineering OnLine, 2017, 16, 103.	2.7	48
15	Ear-EEG-Based Objective Hearing Threshold Estimation Evaluated on Normal Hearing Subjects. IEEE Transactions on Biomedical Engineering, 2018, 65, 1026-1034.	4.2	36
16	EEG discrimination of perceptually similar tastes. Journal of Neuroscience Research, 2019, 97, 241-252.	2.9	36
17	Velocity and Directionality of the Electrohysterographic Signal Propagation. PLoS ONE, 2014, 9, e86775.	2.5	33
18	Personalized automatic sleep staging with single-night data: a pilot study with Kullbackâ€“Leibler divergence regularization. Physiological Measurement, 2020, 41, 064004.	2.1	31

#	Article	IF	Citations
19	A wearable ear-EEG recording system based on dry-contact active electrodes. , 2016, , .		26
20	Automatic sleep stage classification using ear-EEG. , 2016, 2016, 4751-4754.		25
21	On the Keyhole Hypothesis: High Mutual Information between Ear and Scalp EEG. Frontiers in Human Neuroscience, 2017, 11, 341.	2.0	24
22	Automatic sleep stage classification based on subcutaneous EEG in patients with epilepsy. BioMedical Engineering OnLine, 2019, 18, 106.	2.7	24
23	Co-Located Multimodal Sensing: A Next Generation Solution for Wearable Health. IEEE Sensors Journal, 2015, 15, 138-145.	4.7	23
24	Detection of generalized tonic-clonic seizures from ear-EEG based on EMG analysis. Seizure: the Journal of the British Epilepsy Association, 2018, 59, 54-59.	2.0	23
25	Ear-EEG from generic earpieces: A feasibility study. , 2013, 2013, 543-6.		21
26	Ear-EEG Forward Models: Improved Head-Models for Ear-EEG. Frontiers in Neuroscience, 2019, 13, 943.	2.8	21
27	Evaluation of EEG Headset Mounting for Brain-Computer Interface-Based Stroke Rehabilitation by Patients, Therapists, and Relatives. Frontiers in Human Neuroscience, 2020, 14, 13.	2.0	20
28	Measuring phase synchrony using complex extensions of EMD. , 2009, , .		19
29	Study of impedance spectra for dry and wet EarEEG electrodes. , 2015, 2015, 3161-4.		18
30	Ear-EEG for sleep assessment: a comparison with actigraphy and PSG. Sleep and Breathing, 2021, 25, 1693-1705.	1.7	17
31	Toward EEG-Assisted Hearing Aids: Objective Threshold Estimation Based on Ear-EEG in Subjects With Sensorineural Hearing Loss. Trends in Hearing, 2018, 22, 233121651881620.	1.3	16
32	EEG Headset Evaluation for Detection of Single-Trial Movement Intention for Brain-Computer Interfaces. Sensors, 2020, 20, 2804.	3.8	15
33	Sleep Monitoring Using Ear-Centered Setups: Investigating the Influence From Electrode Configurations. IEEE Transactions on Biomedical Engineering, 2022, 69, 1564-1572.	4.2	14
34	Developing an online steady-state visual evoked potential-based brain-computer interface system using EarEEG. , 2015, 2015, 2271-4.		11
35	High-density ear-EEG. , 2017, 2017, 2394-2397.		11
36	Real-Life Dry-Contact Ear-EEG. , 2018, 2018, 5470-5474.		11

#	Article	IF	Citations
37	Cortical Response to Fat Taste. Chemical Senses, 2020, 45, 283-291.	2.0	11
38	A method for quantitative assessment of artifacts in EEG, and an empirical study of artifacts. , 2014, 2014, 1686-90.		10
39	Subspace denoising of EEG artefacts via multivariate EMD. , 2014, , .		10
40	Reference configurations for ear-EEG steady-state responses. , 2016, 2016, 5689-5692.		10
41	Investigation of low dimensional feature spaces for automatic sleep staging. Computer Methods and Programs in Biomedicine, 2021, 205, 106091.	4.7	10
42	Towards estimating selective auditory attention from EEG using a novel time-frequency-synchronisation framework. , 2010, , .		7
43	Multivariate entropy analysis with data-driven scales. , 2012, , .		7
44	EEGs Vary Less Between Lab and Home Locations Than They Do Between People. Frontiers in Computational Neuroscience, 2021, 15, 565244.	2.1	7
45	Editorial: Ear-Centered Sensing: From Sensing Principles to Research and Clinical Devices. Frontiers in Neuroscience, 2019, 13, 1437.	2.8	7
46	Chirp-Evoked Auditory Steady-State Response: The Effect of Repetition Rate. IEEE Transactions on Biomedical Engineering, 2022, 69, 689-699.	4.2	6
47	Ear-EEG: Continuous Brain Monitoring. Springer Briefs in Electrical and Computer Engineering, 2014, , 63-71.	0.5	6
48	Adaptive filtering for non-Gaussian processes. , 0, , .		5
49	A Yarbus-style experiment to determine auditory attention. , 2010, 2010, 4650-3.		4
50	Multimodal physiological sensor for motion artefact rejection. , 2014, 2014, 2753-6.		4
51	Predicting Sleep Classification Performance without Labels. , 2020, 2020, 645-648.		4
52	Muscle Activity Detection during Sleep by Ear-EEG. , 2020, 2020, 1007-1010.		4
53	Dynamic components of linear stable mixtures from fractional low order moments. , 0, , .		3
54	Discrimination of Sleep Spindles in Ear-EEG. , 2019, 2019, 6697-6700.		3

#	Article	IF	Citations
55	Qualitative assessment of intrinsic mode functions of empirical mode decomposition. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	2
56	EarEEG based visual P300 Brain-Computer Interface. , 2015, , .		1
57	272 Long-term monitoring of trait-like characteristics of the sleep electroencephalogram using ear-EEG. Sleep, 2021, 44, A109-A109.	1.1	1
58	An adaptive algorithm for real-time electrode calibration. , 2011, 2011, 63-6.		0
59	Detecting seizure patterns in patients with Alzheimerâ€™s disease using longâ€term EEG monitoring: A feasibility study. Alzheimer's and Dementia, 2020, 16, e042025.	0.8	0
60	HEARING AID AND A METHOD OF PROCESSING A SOUND SIGNAL IN A HEARING AID. Journal of the Acoustical Society of America, 2012, 132, 2777.	1.1	0
61	HEARING AID AND METHOD OF OPERATING A HEARING AID. Journal of the Acoustical Society of America, 2013, 134, 3107.	1.1	0