

Jan J W M Bergmans

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

298
citations

933447

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h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

382
citing authors

#	ARTICLE	IF	CITATIONS
1	Doppler Ultrasound Technology for Fetal Heart Rate Monitoring: A Review. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 226-238.	3.0	54
2	Wearable monitoring of sleep-disordered breathing: estimation of the apnea-hypopnea index using wrist-worn reflective photoplethysmography. Scientific Reports, 2020, 10, 13512.	3.3	51
3	An investigation of the phase locking index for measuring of interdependency of cortical source signals recorded in the EEG. Biological Cybernetics, 2009, 100, 129-146.	1.3	31
4	Hierarchical Probabilistic Framework for Fetal R-Peak Detection, Using ECG Waveform and Heart Rate Information. IEEE Transactions on Signal Processing, 2018, 66, 4388-4397.	5.3	31
5	Novel Bayesian Vectorcardiographic Loop Alignment for Improved Monitoring of ECG and Fetal Movement. IEEE Transactions on Biomedical Engineering, 2013, 60, 1580-1588.	4.2	22
6	Low-Complexity LMMSE-Based MIMO-OFDM Channel Estimation Via Angle-Domain Processing. IEEE Transactions on Signal Processing, 2007, 55, 5668-5680.	5.3	21
7	Fetal Heart Rate Monitoring Implemented by Dynamic Adaptation of Transmission Power of a Flexible Ultrasound Transducer Array. Sensors, 2019, 19, 1195.	3.8	19
8	An Extended Kalman Filter for Fetal Heart Location Estimation During Doppler-Based Heart Rate Monitoring. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3221-3231.	4.7	13
9	Estimation of the apnea-hypopnea index in a heterogeneous sleep-disordered population using optimised cardiovascular features. Scientific Reports, 2019, 9, 17448.	3.3	12
10	Improved ultrasound transducer positioning by fetal heart location estimation during Doppler based heart rate measurements. Physiological Measurement, 2017, 38, 1821-1836.	2.1	10
11	Neu3CA-RT: A framework for real-time fMRI analysis. Psychiatry Research - Neuroimaging, 2018, 282, 90-102.	1.8	9
12	Ultrasound transducer positioning aid for fetal heart rate monitoring. , 2016, 2016, 4105-4108.		7
13	Functional network abnormalities consistent with behavioral profile in Autism Spectrum Disorder. Psychiatry Research - Neuroimaging, 2018, 275, 43-48.	1.8	7
14	Experimental Evaluation of an Adaptive Nonlinear Interference Suppressor for Multimode Transceivers. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 602-614.	3.6	5
15	Go-With-the-Flow Swarm Sensing in Inaccessible Viscous Media. IEEE Sensors Journal, 2020, 20, 4442-4452.	4.7	4
16	Model-Based Analysis and Optimization of the Mapping of Cortical Sources in the Spontaneous Scalp EEG. Computational and Mathematical Methods in Medicine, 2007, 8, 173-189.	1.3	2
17	Separation of Spatially Localized Cortical Activities in the EEG: Model-based Analysis and Optimization. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 602-7.	0.5	0