

Jan J W M Bergmans

List of Publications by Year in descending order

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17
papers

298
citations

933447

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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	Go-With-the-Flow Swarm Sensing in Inaccessible Viscous Media. IEEE Sensors Journal, 2020, 20, 4442-4452.	4.7	4
4	Fetal Heart Rate Monitoring Implemented by Dynamic Adaptation of Transmission Power of a Flexible Ultrasound Transducer Array. Sensors, 2019, 19, 1195.	3.8	19
5	Estimation of the apnea-hypopnea index in a heterogeneous sleep-disordered population using optimised cardiovascular features. Scientific Reports, 2019, 9, 17448.	3.3	12
6	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
7	Functional network abnormalities consistent with behavioral profile in Autism Spectrum Disorder. Psychiatry Research - Neuroimaging, 2018, 275, 43-48.	1.8	7
8	Neu3CA-RT: A framework for real-time fMRI analysis. Psychiatry Research - Neuroimaging, 2018, 282, 90-102.	1.8	9
9	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
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	Ultrasound transducer positioning aid for fetal heart rate monitoring. , 2016, 2016, 4105-4108.		7
12	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
13	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
14	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
15	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
16	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
17	Low-Complexity LMMSE-Based MIMO-OFDM Channel Estimation Via Angle-Domain Processing. IEEE Transactions on Signal Processing, 2007, 55, 5668-5680.	5.3	21