Mohammad Bagher Shamsollahi

List of Publications by Year
in descending order

40 papers	241 citations	1307594 7 h-index	1281871 11 g-index
40 all docs	40 docs citations	40 times ranked	255 citing authors

#	Article	IF	Citations
1	What ICA Provides for ECG Processing: Application to Noninvasive Fetal ECG Extraction. , 2006, , .		37
2	ECG segmentation and fiducial point extraction using multi hidden Markov model. Computers in Biology and Medicine, 2016, 79, 21-29.	7.0	32
3	ECG fiducial point extraction using switching Kalman filter. Computer Methods and Programs in Biomedicine, 2018, 157, 129-136.	4.7	15
4	A novel dual and triple shifted RSVP paradigm for P300 speller. Journal of Neuroscience Methods, 2019, 328, 108420.	2.5	15
5	Interview based connectivity analysis of EEG in order to detect deception. Medical Hypotheses, 2020, 136, 109517.	1.5	10
6	ECG baseline correction with adaptive bionic wavelet transform. , 2007, , .		8
7	Estimation of effective brain connectivity with dual Kalman filter and EEG source localization methods. Australasian Physical and Engineering Sciences in Medicine, 2017, 40, 675-686.	1.3	8
8	Simultaneous Graph Learning and Blind Separation of Graph Signal Sources. IEEE Signal Processing Letters, 2021, 28, 1495-1499.	3.6	8
9	Five-class finger flexion classification using ECoG signals. , 2010, , .		7
10	Development of a MATLAB-based toolbox for brain computer interface applications in virtual reality. , 2012, , .		7
11	Fiducial points extraction and characteristicwaves detection in ECG signal using a model-based bayesian framework. , 2013, , .		7
12	Extraction and Automatic Grouping of Joint and Individual Sources in Multisubject fMRI Data Using Higher Order Cumulants. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 744-757.	6.3	7
13	Noninvasive fetal ECG extraction using doubly constrained block-term decomposition. Mathematical Biosciences and Engineering, 2020, 17, 144-159.	1.9	7
14	Fetal ECG extraction using πTucker decomposition. , 2015, , .		6
15	EEG/PPG effective connectivity fusion for analyzing deception in interview. Signal, Image and Video Processing, 2020, 14, 907-914.	2.7	6
16	Apnea bradycardia detection based on new coupled hidden semi Markov model. Medical and Biological Engineering and Computing, 2021, 59, 1-11.	2.8	6
17	Detection of Apnea Bradycardia from ECG Signals of Preterm Infants Using Layered Hidden Markov Model. Annals of Biomedical Engineering, 2021, 49, 2159-2169.	2.5	6
18	Effective brain connectivity estimation between active brain regions in autism using the dual Kalman-based method. Biomedizinische Technik, 2020, 65, 23-32.	0.8	5

#	Article	IF	Citations
19	A combined dynamical sequential network for generating coupled cardiovascular signals with different beat types. , 2010, , .		4
20	ECG based human identification using wavelet distance measurement. , 2011, , .		4
21	Migraine analysis through EEG signals with classification approach. , 2012, , .		4
22	Prediction of Paroxysmal Atrial Fibrillation using Empirical Mode Decomposition and RR intervals. , 2012, , .		4
23	Interictal EEG denoising using independent component analysis and empirical mode decomposition. , 2015, , .		4
24	A Non-User-Based BCI Application for Robot Control. , 2018, , .		4
25	Extracting Single Trial Visual Evoked Potentials Using Iterative Generalized Eigen Value Decomposition. , 2008, , .		3
26	Tractable Inference and Observation Likelihood Evaluation in Latent Structure Influence Models. IEEE Transactions on Signal Processing, 2020, 68, 5736-5745.	5.3	3
27	Speckle Noise Reduction of Ultrasound Images Using M-band Wavelet Transform and Wiener Filter in a Homomorphic Framework. , 2008, , .		2
28	Volumetric behavior quantification to characterize trajectory in phase space. Chaos, Solitons and Fractals, 2017, 103, 294-306.	5.1	2
29	Prediction of Life-Threatening Heart Arrhythmias Using Obstructive Sleep Apnoea Characteristics. , 2019, , .		2
30	Joint, Partially-joint, and Individual Independent Component Analysis in Multi-Subject fMRI Data. IEEE Transactions on Biomedical Engineering, 2019, 67, 1-1.	4.2	2
31	Tracking Dynamical Transition of Epileptic EEG Using Particle Filter. , 2008, , .		1
32	A new Markovian approach towards neural spike sorting. , 2011, , .		1
33	ECG denoising using mutual information based classification of IMFs and interval thresholding. , 2015, , .		1
34	Improving data protection in BSS based secure communication: mixing matrix design. Wireless Networks, 2021, 27, 4747-4758.	3.0	1
35	The 2017 and 2018 Iranian Brain-Computer Interface Competitions. Journal of Medical Signals and Sensors, 2020, 10, 208-216.	1.0	1
36	Wavelet-Based Biphase Analysis of Brain Rhythms in Automated Wakeâ€"Sleep Classification. International Journal of Neural Systems, 2022, 32, 2250004.	5.2	1

#	Article	IF	Citations
37	Sleep spindles analysis using sparse bump modeling. , 2011, , .		0
38	Human identification using ECG feature extracted from innovation signal of Extended Kalman Filter. , 2012, , .		0
39	Spatial and temporal joint, partially-joint and individual sources in independent component analysis: Application to social brain fMRI dataset. Journal of Neuroscience Methods, 2020, 329, 108453.	2.5	0
40	Automatic detection of respiratory events during sleep from Polysomnography data using Layered Hidden Markov Model. Physiological Measurement, 2022, 43, 015002.	2.1	0