

# Mohammad Bagher Shamsollahi

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Automatic detection of respiratory events during sleep from Polysomnography data using Layered Hidden Markov Model. <i>Physiological Measurement</i> , 2022, 43, 015002.	2.1	0
2	Wavelet-Based Biphase Analysis of Brain Rhythms in Automated Wake/Sleep Classification. <i>International Journal of Neural Systems</i> , 2022, 32, 2250004.	5.2	1
3	Apnea bradycardia detection based on new coupled hidden semi Markov model. <i>Medical and Biological Engineering and Computing</i> , 2021, 59, 1-11.	2.8	6
4	Detection of Apnea Bradycardia from ECG Signals of Preterm Infants Using Layered Hidden Markov Model. <i>Annals of Biomedical Engineering</i> , 2021, 49, 2159-2169.	2.5	6
5	Improving data protection in BSS based secure communication: mixing matrix design. <i>Wireless Networks</i> , 2021, 27, 4747-4758.	3.0	1
6	Simultaneous Graph Learning and Blind Separation of Graph Signal Sources. <i>IEEE Signal Processing Letters</i> , 2021, 28, 1495-1499.	3.6	8
7	Effective brain connectivity estimation between active brain regions in autism using the dual Kalman-based method. <i>Biomedizinische Technik</i> , 2020, 65, 23-32.	0.8	5
8	Spatial and temporal joint, partially-joint and individual sources in independent component analysis: Application to social brain fMRI dataset. <i>Journal of Neuroscience Methods</i> , 2020, 329, 108453.	2.5	0
9	Interview based connectivity analysis of EEG in order to detect deception. <i>Medical Hypotheses</i> , 2020, 136, 109517.	1.5	10
10	Tractable Inference and Observation Likelihood Evaluation in Latent Structure Influence Models. <i>IEEE Transactions on Signal Processing</i> , 2020, 68, 5736-5745.	5.3	3
11	EEG/PPG effective connectivity fusion for analyzing deception in interview. <i>Signal, Image and Video Processing</i> , 2020, 14, 907-914.	2.7	6
12	Noninvasive fetal ECG extraction using doubly constrained block-term decomposition. <i>Mathematical Biosciences and Engineering</i> , 2020, 17, 144-159.	1.9	7
13	The 2017 and 2018 Iranian Brain-Computer Interface Competitions. <i>Journal of Medical Signals and Sensors</i> , 2020, 10, 208-216.	1.0	1
14	Extraction and Automatic Grouping of Joint and Individual Sources in Multisubject fMRI Data Using Higher Order Cumulants. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2019, 23, 744-757.	6.3	7
15	A novel dual and triple shifted RSVP paradigm for P300 speller. <i>Journal of Neuroscience Methods</i> , 2019, 328, 108420.	2.5	15
16	Prediction of Life-Threatening Heart Arrhythmias Using Obstructive Sleep Apnoea Characteristics. , 2019, , .		2
17	Joint, Partially-joint, and Individual Independent Component Analysis in Multi-Subject fMRI Data. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 67, 1-1.	4.2	2
18	ECG fiducial point extraction using switching Kalman filter. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 157, 129-136.	4.7	15

#	ARTICLE	IF	CITATIONS
19	A Non-User-Based BCI Application for Robot Control. , 2018, , .		4
20	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
21	Volumetric behavior quantification to characterize trajectory in phase space. Chaos, Solitons and Fractals, 2017, 103, 294-306.	5.1	2
22	ECG segmentation and fiducial point extraction using multi hidden Markov model. Computers in Biology and Medicine, 2016, 79, 21-29.	7.0	32
23	ECG denoising using mutual information based classification of IMFs and interval thresholding. , 2015, , .		1
24	Interictal EEG denoising using independent component analysis and empirical mode decomposition. , 2015, , .		4
25	Fetal ECG extraction using Tucker decomposition. , 2015, , .		6
26	Fiducial points extraction and characteristic waves detection in ECG signal using a model-based bayesian framework. , 2013, , .		7
27	Development of a MATLAB-based toolbox for brain computer interface applications in virtual reality. , 2012, , .		7
28	Migraine analysis through EEG signals with classification approach. , 2012, , .		4
29	Human identification using ECG feature extracted from innovation signal of Extended Kalman Filter. , 2012, , .		0
30	Prediction of Paroxysmal Atrial Fibrillation using Empirical Mode Decomposition and RR intervals. , 2012, , .		4
31	Sleep spindles analysis using sparse bump modeling. , 2011, , .		0
32	ECG based human identification using wavelet distance measurement. , 2011, , .		4
33	A new Markovian approach towards neural spike sorting. , 2011, , .		1
34	Five-class finger flexion classification using ECoG signals. , 2010, , .		7
35	A combined dynamical sequential network for generating coupled cardiovascular signals with different beat types. , 2010, , .		4
36	Speckle Noise Reduction of Ultrasound Images Using M-band Wavelet Transform and Wiener Filter in a Homomorphic Framework. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
37	Extracting Single Trial Visual Evoked Potentials Using Iterative Generalized Eigen Value Decomposition. , 2008, , .		3
38	Tracking Dynamical Transition of Epileptic EEG Using Particle Filter. , 2008, , .		1
39	ECG baseline correction with adaptive bionic wavelet transform. , 2007, , .		8
40	What ICA Provides for ECG Processing: Application to Noninvasive Fetal ECG Extraction. , 2006, , .		37