

Seyed Kamaledin Setarehdan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

643

citations

11

h-index

23

g-index

67

ext. papers

844

ext. citations

3.1

avg, IF

4.39

L-index

#	Paper	IF	Citations
62	Dynamic causal modeling of evoked responses during emergency braking: an ERP study.. <i>Cognitive Neurodynamics</i> , 2022 , 16, 353-363	4.2	
61	Subcutaneous adipose tissue thickness determination using ultrasound signals processing: A phantom study. <i>Biomedical Signal Processing and Control</i> , 2022 , 77, 103744	4.9	
60	Classification of Breast Cancer Lesions in Ultrasound Images by Using Attention Layer and Loss Ensemble in Deep Convolutional Neural Networks. <i>Diagnostics</i> , 2021 , 11,	3.8	6
59	Optimal sub-harmonic injection-locked MICS band transmitter for wireless CW-fNIRS systems. <i>International Journal of Circuit Theory and Applications</i> , 2021 , 49, 3186	2	1
58	A robust time delay estimation method for ultrasonic echo signals and elastography. <i>Computers in Biology and Medicine</i> , 2021 , 136, 104653	7	1
57	Performance assessment of high-density diffuse optical topography regarding source-detector array topology. <i>PLoS ONE</i> , 2020 , 15, e0230206	3.7	2
56	Emotion recognition using EEG phase space dynamics and Poincare intersections. <i>Biomedical Signal Processing and Control</i> , 2020 , 59, 101918	4.9	5
55	The 2017 and 2018 Iranian Brain-Computer Interface Competitions. <i>Journal of Medical Signals and Sensors</i> , 2020 , 10, 208-216	1	1
54	The Effective Brain Areas in Recognition of Dyslexia. <i>International Clinical Neuroscience Journal</i> , 2020 , 7, 147-152	0.3	
53	Quality analysis of heart rate derived from functional near-infrared spectroscopy in stress assessment. <i>Informatics in Medicine Unlocked</i> , 2020 , 18, 100286	5.3	5
52	Performance assessment of high-density diffuse optical topography regarding source-detector array topology 2020 , 15, e0230206		
51	Performance assessment of high-density diffuse optical topography regarding source-detector array topology 2020 , 15, e0230206		
50	Performance assessment of high-density diffuse optical topography regarding source-detector array topology 2020 , 15, e0230206		
49	Performance assessment of high-density diffuse optical topography regarding source-detector array topology 2020 , 15, e0230206		
48	Performance assessment of high-density diffuse optical topography regarding source-detector array topology 2020 , 15, e0230206		
47	IQ estimation by means of EEG-fNIRS recordings during a logical-mathematical intelligence test. <i>Computers in Biology and Medicine</i> , 2019 , 110, 218-226	7	8
46	A novel EEG-based approach to classify emotions through phase space dynamics. <i>Signal, Image and Video Processing</i> , 2019 , 13, 1149-1156	1.6	10

45	Emotion recognition through EEG phase space dynamics and Dempster-Shafer theory. <i>Medical Hypotheses</i> , 2019 , 127, 34-45	3.8	20
44	Enhancement of optical penetration depth of LED-based NIRS systems by comparing different beam profiles. <i>Biomedical Physics and Engineering Express</i> , 2019 , 5, 065004	1.5	5
43	Accurate Stress Assessment based on functional Near Infrared Spectroscopy using Deep Learning Approach 2019 ,		1
42	Designing a model to detect the brain connections abnormalities in children with autism using 3D-cellular neural networks. <i>Journal of Integrative Neuroscience</i> , 2018 , 17, 391-411	1.5	4
41	CLASSIFICATION OF SCHIZOPHRENIA USING SVM VIA fNIRS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2018 , 30, 1850008	0.6	9
40	A NOVEL METHOD OF EEG-BASED EMOTION RECOGNITION USING NONLINEAR FEATURES VARIABILITY AND DEMPSTERSHAFFER THEORY. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2018 , 30, 1850026	0.6	10
39	Modeling the connections of brain regions in children with autism using cellular neural networks and electroencephalography analysis. <i>Artificial Intelligence in Medicine</i> , 2018 , 89, 40-50	7.4	8
38	Global optimal constrained ICA and its application in extraction of movement related cortical potentials from single-trial EEG signals. <i>Computer Methods and Programs in Biomedicine</i> , 2018 , 166, 155-169	6.9	3
37	A Novel Approach to Mortality Prediction of ICU Cardiovascular Patient Based on Fuzzy Logic Method. <i>Biomedical Signal Processing and Control</i> , 2018 , 45, 160-173	4.9	9
36	Stress assessment by means of heart rate derived from functional near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-12	3.5	9
35	Classification of Mental Stress Levels by Analyzing fNIRS Signal Using Linear and Non-linear Features. <i>International Clinical Neuroscience Journal</i> , 2018 , 5, 55-61	0.3	2
34	Emotion Classification through Nonlinear EEG Analysis Using Machine Learning Methods. <i>International Clinical Neuroscience Journal</i> , 2018 , 5, 135-149	0.3	29
33	Noninvasive Prediction of Renal Stone Surface Irregularities by Numerical Analysis of the Color Doppler Twinkling Artifact: An Ex Vivo Study. <i>Journal of Ultrasound in Medicine</i> , 2018 , 37, 1211-1224	2.9	0
32	Estimation of the depth of anesthesia by using a multioutput least-square support vector regression. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2018 , 26, 2793-2802	0.9	0
31	A novel approach to emotion recognition using local subset feature selection and modified Dempster-Shafer theory. <i>Behavioral and Brain Functions</i> , 2018 , 14, 17	4.1	12
30	Automatic anesthesia depth staging using entropy measures and relative power of electroencephalogram frequency bands. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2018 , 41, 919-929	1.9	
29	Detecting intention to execute the next movement while performing current movement from EEG using global optimal constrained ICA. <i>Computers in Biology and Medicine</i> , 2018 , 99, 63-75	7	7
28	Automatic media-adventitia IVUS image segmentation based on sparse representation framework and dynamic directional active contour model. <i>Computers in Biology and Medicine</i> , 2017 , 89, 561-572	7	13

27	Finite element analysis of thermally actuated medical stent and staple implants using shape memory alloy. <i>International Journal of Nanotechnology</i> , 2017 , 14, 66	1.5	1
26	A new approach to estimating the evoked hemodynamic response applied to dual channel functional near infrared spectroscopy. <i>Computers in Biology and Medicine</i> , 2017 , 84, 9-19	7	8
25	Classification of fNIRS based brain hemodynamic response to mental arithmetic tasks 2017 ,		5
24	A Review on EEG Signals Based Emotion Recognition. <i>International Clinical Neuroscience Journal</i> , 2017 , 4, 118-129	0.3	29
23	Functional connectivity of the PFC via partial correlation. <i>Optik</i> , 2016 , 127, 4748-4754	2.5	11
22	THE EFFECTIVENESS OF MUSIC ON HUMAN BIOLOGICAL SIGNALS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2016 , 28, 1650002	0.6	2
21	Effective channels in classification and functional connectivity pattern of prefrontal cortex by functional near infrared spectroscopy signals. <i>Optik</i> , 2016 , 127, 3271-3275	2.5	11
20	Non-linear feature extraction from HRV signal for mortality prediction of ICU cardiovascular patient. <i>Journal of Medical Engineering and Technology</i> , 2016 , 40, 87-98	1.8	20
19	Analysis of heart rate variability as a predictor of mortality in cardiovascular patients of intensive care unit. <i>Biocybernetics and Biomedical Engineering</i> , 2015 , 35, 217-226	5.7	15
18	Attention level quantification during a modified stroop color word experiment: an fNIRS based study 2015 ,		6
17	Analysis of backscattered ultrasound rf echoes from adjacent scan lines for surface roughness characterization: a phantom study 2015 ,		1
16	AUTOMATIC AND CONCURRENT DETERMINATION OF OPTIMAL VALUES OF NONLOCAL MEANS FILTERING PARAMETERS BASED ON BAYESIAN FORMULATION IN IVUS IMAGES. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2015 , 27, 1550052	0.6	
15	New algorithm of mortality risk prediction for cardiovascular patients admitted in intensive care unit. <i>International Journal of Clinical and Experimental Medicine</i> , 2015 , 8, 8916-26		8
14	Study of the effects of age and body mass index on the carotid wall vibration: extraction methodology and analysis. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2014 , 228, 714-29	1.7	5
13	A novel approach for quantification and analysis of the color Doppler twinkling artifact with application in noninvasive surface roughness characterization: an in vitro phantom study. <i>Journal of Ultrasound in Medicine</i> , 2014 , 33, 597-610	2.9	7
12	Evoked hemodynamic response estimation using ensemble empirical mode decomposition based adaptive algorithm applied to dual channel functional near infrared spectroscopy (fNIRS). <i>Journal of Neuroscience Methods</i> , 2014 , 224, 13-25	3	11
11	Measuring the effect of aging on vibrations of the carotid artery wall using empirical mode decomposition method. <i>Journal of Medical Signals and Sensors</i> , 2014 , 4, 27-34	1	
10	An IVUS image-based approach for improvement of coronary plaque characterization. <i>Computers in Biology and Medicine</i> , 2013 , 43, 268-80	7	17

9	ECG power line interference removal using combination of FFT and adaptive non-linear noise estimator 2013 ,		4
8	DFA- and DWT- based features of HRV signal for automatic sleep staging 2012 ,		3
7	Appropriate twinkling frequency and inter-sources distance selection in SSVEP-based HCI systems 2011 ,		6
6	Type2 fuzzy set based automatic shadow region segmentation in intra vascular ultrasound images 2011 ,		4
5	Simulation of the twinkling artifact in color flow Doppler sonography: A phase noise hypothesis validation 2011 ,		2
4	Support vector machine-based arrhythmia classification using reduced features of heart rate variability signal. <i>Artificial Intelligence in Medicine</i> , 2008 , 44, 51-64	7-4	219
3	A novel algorithm for straightening highly curved images of human chromosome. <i>Pattern Recognition Letters</i> , 2008 , 29, 1208-1217	4-7	16
2	New features for automatic classification of human chromosomes: A feasibility study. <i>Pattern Recognition Letters</i> , 2006 , 27, 19-28	4-7	49
1	Fuzzy-based purest wavelength selection from spectral data. <i>Journal of Chemometrics</i> , 2006 , 20, 239-246.	6	2