

Seyed Kamaledin Setarehdan

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,014
citations

566801

15
h-index

476904

29
g-index

67
all docs

67
docs citations

67
times ranked

1097
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic causal modeling of evoked responses during emergency braking: an ERP study. <i>Cognitive Neurodynamics</i> , 2022, 16, 353-363.	2.3	1
2	Subcutaneous adipose tissue thickness determination using ultrasound signals processing: A phantom study. <i>Biomedical Signal Processing and Control</i> , 2022, 77, 103744.	3.5	0
3	Optimal subharmonic injection-locked MICS band transmitter for wireless CW-fNIRS systems. <i>International Journal of Circuit Theory and Applications</i> , 2021, 49, 3186.	1.3	1
4	A robust time delay estimation method for ultrasonic echo signals and elastography. <i>Computers in Biology and Medicine</i> , 2021, 136, 104653.	3.9	2
5	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, 1859.	1.3	21
6	Quality analysis of heart rate derived from functional near-infrared spectroscopy in stress assessment. <i>Informatics in Medicine Unlocked</i> , 2020, 18, 100286.	1.9	8
7	Evaluation and Diagnosis of Brain Death: a Non-Invasive Pilot Study Using Functional Near-Infrared Spectroscopy (fNIRS). , 2020, , .		0
8	Performance assessment of high-density diffuse optical topography regarding source-detector array topology. <i>PLoS ONE</i> , 2020, 15, e0230206.	1.1	4
9	Emotion recognition using EEG phase space dynamics and Poincare intersections. <i>Biomedical Signal Processing and Control</i> , 2020, 59, 101918.	3.5	21
10	The Effective Brain Areas in Recognition of Dyslexia. <i>International Clinical Neuroscience Journal</i> , 2020, 7, 147-152.	0.1	2
11	The 2017 and 2018 Iranian Brain-Computer Interface Competitions. <i>Journal of Medical Signals and Sensors</i> , 2020, 10, 208-216.	0.5	1
12	Title is missing!. , 2020, 15, e0230206.		0
13	Title is missing!. , 2020, 15, e0230206.		0
14	Title is missing!. , 2020, 15, e0230206.		0
15	Title is missing!. , 2020, 15, e0230206.		0
16	Title is missing!. , 2020, 15, e0230206.		0
17	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.	0.6	8
18	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.	3.9	16

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19	A novel EEG-based approach to classify emotions through phase space dynamics. <i>Signal, Image and Video Processing</i> , 2019, 13, 1149-1156.	1.7	19
20	Emotion recognition through EEG phase space dynamics and Dempster-Shafer theory. <i>Medical Hypotheses</i> , 2019, 127, 34-45.	0.8	38
21	Accurate Stress Assessment based on functional Near Infrared Spectroscopy using Deep Learning Approach. , 2019, , .		4
22	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.	0.8	5
23	CLASSIFICATION OF SCHIZOPHRENIA USING SVM VIA fNIRS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2018, 30, 1850008.	0.3	21
24	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.	0.8	3
25	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	1
26	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.	1.4	23
27	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.	1.4	0
28	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.	3.9	7
29	A NOVEL METHOD OF EEG-BASED EMOTION RECOGNITION USING NONLINEAR FEATURES VARIABILITY AND DEMPSTER'S SHAFER THEORY. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2018, 30, 1850026.	0.3	17
30	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.	3.8	10
31	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.	2.6	4
32	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.	3.5	20
33	Stress assessment by means of heart rate derived from functional near-infrared spectroscopy. <i>Journal of Biomedical Optics</i> , 2018, 23, 1.	1.4	12
34	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.	0.1	6
35	Emotion Classification through Nonlinear EEG Analysis Using Machine Learning Methods. <i>International Clinical Neuroscience Journal</i> , 2018, 5, 135-149.	0.1	43
36	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.	3.9	19

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37	Finite element analysis of thermally actuated medical stent and staple implants using shape memory alloy. International Journal of Nanotechnology, 2017, 14, 66.	0.1	1
38	A new approach to estimating the evoked hemodynamic response applied to dual channel functional near infrared spectroscopy. Computers in Biology and Medicine, 2017, 84, 9-19.	3.9	11
39	Classification of fNIRS based brain hemodynamic response to mental arithmetic tasks. , 2017, , .		7
40	A Review on EEG Signals Based Emotion Recognition. International Clinical Neuroscience Journal, 2017, 4, 118-129.	0.1	57
41	Non-linear feature extraction from HRV signal for mortality prediction of ICU cardiovascular patient. Journal of Medical Engineering and Technology, 2016, 40, 87-98.	0.8	31
42	Functional connectivity of the PFC via partial correlation. Optik, 2016, 127, 4748-4754.	1.4	22
43	THE EFFECTIVENESS OF MUSIC ON HUMAN BIOLOGICAL SIGNALS. Biomedical Engineering - Applications, Basis and Communications, 2016, 28, 1650002.	0.3	2
44	Effective channels in classification and functional connectivity pattern of prefrontal cortex by functional near infrared spectroscopy signals. Optik, 2016, 127, 3271-3275.	1.4	25
45	Attention level quantification during a modified stroop color word experiment: an fNIRS based study. , 2015, , .		12
46	Analysis of backscattered ultrasound RF echoes from adjacent scan lines for surface roughness characterization: a phantom study amoon jamzad1,. , 2015, , .		1
47	AUTOMATIC AND CONCURRENT DETERMINATION OF OPTIMAL VALUES OF NONLOCAL MEANS FILTERING PARAMETERS BASED ON BAYESIAN FORMULATION IN IVUS IMAGES. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550052.	0.3	0
48	Analysis of heart rate variability as a predictor of mortality in cardiovascular patients of intensive care unit. Biocybernetics and Biomedical Engineering, 2015, 35, 217-226.	3.3	19
49	New algorithm of mortality risk prediction for cardiovascular patients admitted in intensive care unit. International Journal of Clinical and Experimental Medicine, 2015, 8, 8916-26.	1.3	10
50	Study of the effects of age and body mass index on the carotid wall vibration: Extraction methodology and analysis. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 714-729.	1.0	5
51	A Novel Approach for Quantification and Analysis of the Color Doppler Twinkling Artifact With Application in Noninvasive Surface Roughness Characterization. Journal of Ultrasound in Medicine, 2014, 33, 597-610.	0.8	13
52	Evoked hemodynamic response estimation using ensemble empirical mode decomposition based adaptive algorithm applied to dual channel functional near infrared spectroscopy (fNIRS). Journal of Neuroscience Methods, 2014, 224, 13-25.	1.3	14
53	Measuring the effect of aging on vibrations of the carotid artery wall using empirical mode decomposition method. Journal of Medical Signals and Sensors, 2014, 4, 27-34.	0.5	0
54	An IVUS image-based approach for improvement of coronary plaque characterization. Computers in Biology and Medicine, 2013, 43, 268-280.	3.9	20

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55	ECG power line interference removal using combination of FFT and adaptive non-linear noise estimator. , 2013, , .		8
56	DFA- and DWT- based features of HRV signal for automatic sleep staging. , 2012, , .		3
57	A Study on the Effect of the Inter-Sources Distance on the Performance of the SSVEP-Based BCI Systems. American Journal of Biomedical Engineering, 2012, 2, 24-31.	0.9	1
58	Simulation of the twinkling artifact in color flow Doppler sonography: A phase noise hypothesis validation. , 2011, , .		3
59	Appropriate twinkling frequency and inter-sources distance selection in SSVEP-based HCI systems. , 2011, , .		8
60	Type2 fuzzy set based automatic shadow region segmentation in intra vascular ultrasound images. , 2011, , .		4
61	A novel algorithm for straightening highly curved images of human chromosome. Pattern Recognition Letters, 2008, 29, 1208-1217.	2.6	28
62	Support vector machine-based arrhythmia classification using reduced features of heart rate variability signal. Artificial Intelligence in Medicine, 2008, 44, 51-64.	3.8	298
63	New features for automatic classification of human chromosomes: A feasibility study. Pattern Recognition Letters, 2006, 27, 19-28.	2.6	70
64	Fuzzy-based purest wavelength selection from spectral data. Journal of Chemometrics, 2006, 20, 239-246.	0.7	2
65	Sleep staging with deep structured neural net using Gabor layer and data augmentation. Turkish Journal of Electrical Engineering and Computer Sciences, 0, , .	0.9	2