



Sina Shamekhi

Associate Professor

College: Faculty of Biomedical Engineering

## Papers in Journals

1. Sina Shamekhi , Mohammad Fouladvand , Ali Ahmad Alipour,Analysis of sleep deprivation effects based on nonlinear entropy features extracted from electroencephalogram signals.Journal of Nonlinear Systems in Electrical Engineering,۱۶ ۰۵ ۱,۲۰۲۳،شماره ۹،مجلد ۱۶.
2. Sina Shamekhi,An Efficient Method for Automatic Multi-Class Classification of SD-OCT Images of Human Eye Based on RNFL layer and the IS/OS Junction Detection and Ensemble Decision Tree.Iranian Journal of Biomedical Engineering,۰۱ ۰۹ ۱۱۳,۲۰۲۲-۹۵،مجلد ۱۶،شماره ۲،صفحات ۹۵-۱۱۳.
3. Masoud Moradi و Sina Shamekhi,Home Browse Journal Info Guide for Authors Submit Manuscript Reviewers Contact Us Detection of Persian Sign Language and Hand Gestures by Decomposition of Surface Electromyogram, and Inertia Signals with Empirical Wavelet Transform.Iranian Journal of Biomedical Engineering,۰۱ ۰۹ ۱۸۲,۲۰۲۲-۱۶۷،مجلد ۱۶،شماره ۲،صفحات ۱۶۷-۱۸۲.
4. سینا شامخی , محمدحسین میرانبیگی , علی گویا, تطبیق لکه های پروتئینی در تصاویر الکتروفورز ژل دو بعدی بر پایه مدل های احتمالاتی,فصلنامه مهندسی پزشکی زیستی,مجلد ۱۲،شماره ۱۹،۱۱۴:۲۰۱۹.
5. سینا شامخی , محمدحسین میرانبیگی , علی گویا , بهاره آذربیان,توسعه فیلتری جدید برای استخراج لکه های پروتئینی در تصاویر الکتروفورز ژل دو بعدی,مهندسی پزشکی زیستی,۱۰۶ ۲۰۱۴.
6. Sina Shamekhi , Mohammad hossin Miranbeigi , Mohammad javad Abolhassani,Modeling of Otoacoustic Emission Signal Generation in Human Air.The Modares Journal of Electrical Engineering,۹ ۱۱:۲۰۱۱-۱۱.
7. Aslan Modir , Sina Shamekhi , Peyvand Ghaderyan,A systematic review and methodological analysis of EEG-based biomarkers of Alzheimer's disease,Measurement,Vol. 220,2023 10 1.
8. Abbas Darvish ,& Sina Shamekhi,A hybrid multi-scale CNN-LSTM deep learning model for the identification of protein-coding regions in DNA sequences,Tabriz Journal of Electrical Engineering,Vol. 52,No. 2,pp. 137-146,2022 07 01.
9. Fatemeh Shalchizadeh , Sina Shamekhi , Reza Naghdi Sadeh , Abbas Darvish,Persian emotion elicitation film set and signal database,Biomedical Signal Processing and Control,Vol. 72,2022 02 01.
10. Sara Askari Khomami ,& Sina Shamekhi,Persian sign language recognition using IMU and surface EMG sensors,Measurement,Vol. 168,2021 01 15.
11. Maryam Rezaeezadeh , Sina Shamekhi , Mousa Shamsi,Attention Deficit Hyperactivity Disorder Diagnosis using non-linear univariate and multivariate EEG measurements: a preliminary study,Physical and Engineering Sciences in Medicine,Vol. 43,pp. 577–592,2020 03 27.
12. Sina Shamekhi , Mohammad Hossein Miran Beygi , Bahareh Azarian , Ali Gooya,A Novel Spot-Enhancement Anisotropic Diffusion Method for the Improvement of Segmentation in Two-dimensional Gel Electrophoresis Images, Based on the Watershed Transform Algorithm,Iranian Journal of Medical Physics,Vol. 12,No. 3,2015 10 1.

13. Mahdis Monajati , Seyed Hamidreza Abbasi , Fereidoon Shabaninia , Sina Shamekhi,Emotions States Recognition Based on Physiological Parameters by Employing of Fuzzy-Adaptive Resonance Theory,International Journal of Intelligence Science,2012 11 1.