

Lect. Elif İzci

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: GOE-6084-2022

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Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Biomedical Engineering, Turkey 2022 - Continues

Postgraduate, Izmir Katip Celebi University, Institute Of Science, Department Of Biomedical Technologies (Interdisciplinary), Turkey 2018 - 2021

Undergraduate, Izmir Katip Celebi University, Faculty Of Engineering-Architecture, Department Of Biomedical Engineering, Turkey 2013 - 2018

Dissertations

Postgraduate, Analysis of multichannel EEG signals for the detection of major depressive disorder, Izmir Katip Celebi University, Faculty Of Engineering-Architecture, Department Of Biomedical Engineering, 2021

Research Areas

Biomedical Engineering, Biosignal Processing

Academic Titles / Tasks

Lecturer, Van Yüzüncü Yil University, Erciş Meslek Yüksekokulu, Elektronik ve Otomasyon Bölümü, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Arrhythmic Heartbeat Classification Using 2D Convolutional Neural Networks**
Degirmenci M., Ozdemir M., Izci E., Akan A.
IRBM, vol.43, no.5, pp.422-433, 2022 (SCI-Expanded)
- II. **Synthesis, characterization and investigation of thermal, mechanical and antibacterial properties of boric acid-incorporated polyurethane foams**
Surdem S., Yorukoglu A., Ozturk S., Izci E., Yilmaz G.
BULLETIN OF MATERIALS SCIENCE, vol.45, no.1, 2022 (SCI-Expanded)
- III. **EEG-based emotion recognition with deep convolutional neural networks**

Refereed Congress / Symposium Publications in Proceedings

- I. **An EEG and machine learning based method for the detection of major depressive disorder Majör depresif bozukluğun tespiti için EEG ve makine öğrenmesi tabanlı bir yöntem**
Izci E., Ozdemir M. A., Akan A., Ozcoba M. A., Arikan M. K.
29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, Istanbul, Turkey, 9 - 11 June 2021
- II. **ECG Arrhythmia Detection with Deep Learning**
İzci E., Degirmenci M., Ozdemir M. A., Akan A.
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020
- III. **Cardiac arrhythmia detection from 2d ecg images by using deep learning technique**
Izci E., Ozdemir M. A., Degirmenci M., Akan A.
2019 Medical Technologies Congress, TIPTEKNO 2019, İzmir, Turkey, 3 - 05 October 2019
- IV. **Arrhythmia Detection on ECG Signals by Using Empirical Mode Decomposition**
Izci E., Özdemir M. A., Sadighzadeh R., Akan A.
2018 Medical Technologies National Congress, TIPTEKNO 2018, Magusa, Cyprus (Gkry), 8 - 10 November 2018

Scientific Refereeing

ARTIFICIAL INTELLIGENCE IN MEDICINE, Journal Indexed in SCI-E, August 2023

EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, June 2023

ARTIFICIAL INTELLIGENCE IN MEDICINE, Journal Indexed in SCI-E, June 2023

EXPERT SYSTEMS WITH APPLICATIONS, Journal Indexed in SCI-E, June 2023

BIOMEDICAL SIGNAL PROCESSING AND CONTROL, SCI Journal, April 2023

e-Prime – Advances in Electrical Engineering, Electronics and Energy, Other Indexed Journal, February 2023

International Journal of Computer Theory and Engineering, Other Indexed Journal, October 2022

International Journal of Computer Theory and Engineering, Other Indexed Journal, May 2022

Metrics

Publication: 7

Citation (WoS): 183

Citation (Scopus): 233

H-Index (WoS): 5

H-Index (Scopus): 5