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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-4185-2018

ScopusID: 57221845068

Yoksis Researcher ID: 265628

Education

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Computer Engineering, Turkey 2020 - 2025

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Computer Engineering, Turkey 2017 - 2020

Undergraduate, Firat University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 2010 - 2014

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Derin Öğrenme Yöntemleri ile Dokunsal Parke Yüzeyi Tespiti, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, 2020

Research Areas

algorithms, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition

Academic Positions

Research Assistant, Marmara University, Faculty of Technology, Computer Engineering, 2017 - Continues

Journal articles indexed in SCI, SSCI, and AHCI

1. Feature efficiency in IoMT security: A comprehensive framework for threat detection with DNN and ML.

Pınar M., Aktas A., Ulku E. E.

Computers in biology and medicine, vol.186, no.186, pp.109603, 2025 (SCI-Expanded)

II. **Hi-LabSpermMorpho: A Novel Expert-Labeled Dataset with Extensive Abnormality Classes for Deep Learning-Based Sperm Morphology Analysis**

AKTAŞ A., SERBES G., Yigit M. H., Aydın N., UZUN H., İLHAN H. O.

IEEE Access, vol.12, pp.196070-196091, 2024 (SCI-Expanded)

III. **Tactile paving surface detection with deep learning methods**

AKTAŞ A., DOĞAN B., DEMİR Ö.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.3, pp.1685-1700, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. **Crime Data Analysis with Association Rule Mining**

ÇALIŞKAN D., YILDIZ K., DOĞAN B., AKTAŞ A.

International Periodical of Recent Technologies in Applied Engineering, vol.2, no.2, pp.42-50, 2020 (Peer-Reviewed Journal)

II. **R ile Sosyal Ağ Madenciliği**

Sarıkaya U., DOĞAN B., AKTAŞ A.

Marmara Fen Bilimleri Dergisi, vol.29, pp.94-101, 2017 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Classification of Eye Diseases in Fundus Images Using Deep Learning Algorithms**

Buzlu K., Taşkın H., Can Y., ALTINEL GİRĞİN A. B., AKTAŞ A.

V. INTERNATIONAL APPLIED STATISTICS CONGRESS (UYIK - 2024), İstanbul, Turkey, 21 May 2024, pp.156, (Full Text)

II. **The Performance Analysis of Convolutional Neural Networks and Vision Transformers in the Classification of Sperm Morphology**

Aktas A., Serbes G., İlhan H. O.

2023 8th International Conference on Computer Science and Engineering (UBMK), Burdur, Turkey, 13 - 15 September 2023, pp.330-335, (Full Text)

III. **Nature Discovery with Virtual Reality**

BAL A., AKTAŞ A., ÜLKÜ E. E.

ULUSLARARASI ÇOCUK ve BİLGİ GÜVENLİĞİ KONGRESİ, Ankara, Turkey, 11 - 13 April 2018, (Full Text)

Funded Projects

İlhan H. O., Serbes G., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Mobile Phone Based Sperm Movement Analysis and Reporting System, 2023 - 2025

İlhan H. O., TÜBİTAK Project, Sperm Morfoloji Analizi İçin Derin Öğrenme Tabanlı Bilgisayar Destekli Sistem Tasarımı, 2022 - 2024

Metrics

Publication: 8

Citation (WoS): 4

Citation (Scopus): 20

H-Index (WoS): 1

H-Index (Scopus): 1