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International Researcher IDs

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Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Bilgisayar Mühendisliği, Turkey
2016 - Continues

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Bilgisayar Mühendisliği,
Turkey 2013 - 2016

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Computer Sciences, Computer Vision, Equipment, Artificial Intelligence, Computer Learning and Pattern Recognition,
Biomedical Engineering, Biomedical Image Processing, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Faculty Of Electrical & Electronics, Computer Engineering, 2013 -
Continues

Research Assistant, Mus Alparslan University, Mühendislik Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2012 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Detection of sperm cells by single-stage and two-stage deep object detectors**
Yüzkat M., İlhan H. O., Aydın N.
Biomedical Signal Processing and Control, vol.83, 2023 (SCI-Expanded)
- II. **Creating a Data Generator and Implementing Algorithms in Process Analysis**
Bakır Ç., Yüzkat M., Karabiber F.
ELEKTRONIKA IR ELEKTROTEKNIKA, vol.28, no.5, pp.68-79, 2022 (SCI-Expanded)
- III. **Sperm Motility Analysis by using Recursive Kalman Filters with the smartphone based data**

acquisition and reporting approach

Ilhan H. O., Yüzkat M., Aydın N.

EXPERT SYSTEMS WITH APPLICATIONS, vol.186, 2021 (SCI-Expanded)

IV. Multi-model CNN fusion for sperm morphology analysis

YÜZKAT M., İLHAN H. O., AYDIN N.

COMPUTERS IN BIOLOGY AND MEDICINE, vol.137, 2021 (SCI-Expanded)

Articles Published in Other Journals

I. Effects of Color Space Transformations on Classification Performance of Sperm Morphology

Yüzkat M., İlhan H. O., Aydın N.

European Journal of Science and Technology, vol.29, pp.70-75, 2021 (Peer-Reviewed Journal)

II. Speech Emotion Classification and Recognition with different methods for Turkish Language

Bakır Ç., Yüzkat M.

Balkan Journal of Electrical and Computer Engineering, vol.6, no.2, pp.122-128, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Process Mining Algorithms Performance According to New Bayes Conformance Function

Yüzkat M.

In 2022 26th International Conference Electronics , 15 June 2022, pp.1-6

II. Morphological Classification of Low Quality Sperm Images Using Deep Learning Networks

YÜZKAT M., İLHAN H. O., AYDIN N.

2020 Medical Technologies Congress (TIPTEKNO), Turkey, 19 November 2020

III. Implementation of Alpha and Heuristic Process Mining Algorithms

YÜZKAT M., KARABİBER F., BAKIR Ç.

Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı UBMK 2016, Tekirdağ, Turkey, 01 September 2016, pp.166-170

IV. Implementation of Data Generator for Process Mining Applications

Yüzkat M., Karabiber F., Şen B., Caymaz H.

Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 01 April 2015, pp.1405-1408

Supported Projects

İLHAN H. O., YÜZKAT M., Project Supported by Higher Education Institutions, Bilgisayar Destekli Sperm Tespiti ve Hareketliliğinin İncelenmesi, 2021 - 2023

Metrics

Publication: 10

Citation (WoS): 3

Citation (Scopus): 28

H-Index (WoS): 1

H-Index (Scopus): 2