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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Tokat Gaziosmanpaşa University, Turkey 2023 - Continues

Postgraduate, Yozgat Bozok University, Lisansüstü Eğitim Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 2020 - 2022

Undergraduate, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2018 - 2020

Associate Degree, Ataturk University, Açıköğretim Fakültesi, İş Sağlığı Ve Güvenliği, Turkey 2017 - 2019

Undergraduate Minor, Erciyes University, Mühendislik Fakültesi, Turkey 2012 - 2014

Undergraduate, Erciyes University, Mühendislik Fakültesi, Biyomedikal Mühendisliği, Turkey 2009 - 2014

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Pattern Recognition and Image Processing, Software, Biomedical Image Processing

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Sugar beet farming goes high-tech: a method for automated weed detection using machine learning and deep learning in precision agriculture**
ORTATAŞ F. N., Ozkaya U., ŞAHİN M. E., ULUTAŞ H.
Neural Computing and Applications, vol.36, no.9, pp.4603-4622, 2024 (SCI-Expanded)

Articles Published in Other Journals

- I. **Solution of Real-Time Traffic Signs Detection Problem for Autonomous Vehicles by Using YOLOV4 And Haarcascade Algorithms**
Ortataş F. N., Çetin E.
International Journal of Automotive Science and Technology, vol.7, no.2, pp.125-140, 2023 (Scopus)
- II. **Elektrikli ve Otonom Araçlar için Sürüş Kontrol Kartının Geliştirilmesi**
Ortataş F. N., Çetin E., Aydoğan M., Yalçın E.
Bozok Journal of Engineering and Architecture, vol.1, no.2, pp.1-7, 2023 (Peer-Reviewed Journal)
- III. **Elektrikli ve Otonom Araçlarda Makine Öğrenmesi Kullanarak Trafik Levhaları Tanıma ve Simülasyon**

Uygulamas1

ORTATAŞ F. N., ÇETİN E.

El-Cezeri Fen ve Mühendislik Dergisi, vol.8, no.3, pp.1081-1092, 2021 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **A New Approach to Determine the Milk Lines of Silage Corn Using Image Processing Techniques**
Şahin M. E., Ulutaş H., Ortataş F. N.
8. Uluslararası Bilgisayar Bilimleri ve Mühendisliği Konferansı (UBMK 2023), Burdur, Turkey, 13 - 15 September 2023
- II. **A Novel Method of Obstacle Detection Using Stereo Vision for Unmanned Systems**
Ortataş F. N., Şahin M. E., Ulutaş H., Yakut U., Koç Y.
2023 11-th International Scientific Conference COMPUTER SCIENCE, Sofija, Bulgaria, 18 - 20 September 2023, pp.1-4
- III. **Performance Evaluation of YOLOv5, YOLOv7, and YOLOv8 Models in Traffic Sign Detection**
Ortataş F. N., Kaya M.
2023 8th International Conference on Computer Science and Engineering (UBMK), Burdur, Turkey, 13 - 15 September 2023, pp.151-156
- IV. **REAL-TIME TRAFFIC SIGN DETECTION WITH YOLOV6 MODEL**
Şahin M. E., Ortataş F. N.
5. International Anatolian Scientific Research Congress, Hakkari, Turkey, 21 - 23 July 2023, pp.1001-1010
- V. **Autonomous Mapping and Spraying in Precision Agriculture using Unmanned Ground Vehicles**
ORTATAŞ F. N., ULUTAŞ H., ŞAHİN M. E., Ciftci F.
2023 Innovations in Intelligent Systems and Applications Conference, ASYU 2023, Sivas, Turkey, 11 - 13 October 2023
- VI. **Lane Tracking with Deep Learning: Mask RCNN and Faster RCNN**
ORTATAŞ F. N., ÇETİN E.
2022 Innovations in Intelligent Systems and Applications Conference, ASYU 2022, Antalya, Turkey, 7 - 09 September 2022

Supported Projects

ÇETİN E., ORTATAŞ F. N., Project Supported by Higher Education Institutions, Yapay Zeka Destekli Elektrikli ve Otonom Araç Sistemlerin Geliştirilmesi ve Deneysel Olarak Test Edilmesi, 2022 - 2023

Metrics

Publication: 10

Citation (Scopus): 5

H-Index (Scopus): 2

Scholarships

2210C- Öncelikli alanlar, TUBITAK, 2021 - 2022

Awards

Ortataş F. N., Mansiyon ödülü, Anadolu Üniversiteler Birliği, May 2022