

Assoc. Prof. YILDIRAY ANAGÜN



Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-6965-2021

ScopusID: 55293387500

Yoksis Researcher ID: 170954

Education Information

Doctorate, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Fen Bil.Enst.Md.Lüğü, Turkey 2007 - 2018

Postgraduate, Kütahya Dumlupınar University, Graduate School Of Natural And Applied Sciences, Elektrik - Elektronik Mühendisliği, Turkey 2004 - 2007

Undergraduate, Cankaya University, Faculty Of Engineering, Department Of Computer Engineering, Turkey 1999 - 2003

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Düşük çözünürlüklü video sahnelerinden yüksek çözünürlüklü video sahnelerinin elde edilmesi, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Fen Bil.Enst.Md.Lüğü, 2018

Postgraduate, Üç-sıralı istemci-sunucu mimarisinde Web servisleri kullanımı ve uygulaması, Dumlupınar Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 2007

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Knowledge Engineering, Computer Learning, Pattern Recognition and Image Processing, Neural Networks, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2025 - Continues
Assistant Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2023 - 2025
Lecturer, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2007 - 2023
Research Assistant, Kütahya Dumlupınar University, Faculty of Engineering, Computer Engineering, 2004 - 2007

Courses

Undergraduate

152112007 ENGINEERING GRAPHICS (A), Undergraduate, 2017 - 2018, 2016 - 2017
152112011 COMPUTER PROGRAMMING LAB. (A), Undergraduate, 2017 - 2018, 2016 - 2017
152112016 COMPUTER PROGRAMMING (B), Undergraduate, 2017 - 2018, 2016 - 2017
152112011 COMPUTER PROGRAMMING LAB. (B), Undergraduate, 2017 - 2018, 2016 - 2017
152118626 ENGINEERING RESEARCH ON DATABASE APPS (A), Undergraduate, 2017 - 2018, 2016 - 2017
152111011 INTRODUCTION TO PROGRAMMING LAB. (A), Undergraduate, 2017 - 2018, 2016 - 2017
152111019 INTRODUCTION TO PROGRAMMING (B), Undergraduate, 2017 - 2018, 2016 - 2017
152112007 ENGINEERING GRAPHICS (B), Undergraduate, 2017 - 2018, 2016 - 2017
152112016 COMPUTER PROGRAMMING (A), Undergraduate, 2017 - 2018, 2016 - 2017
152111019 INTRODUCTION TO PROGRAMMING (A), Undergraduate, 2017 - 2018, 2016 - 2017
152111011 INTRODUCTION TO PROGRAMMING LAB. (B), Undergraduate, 2017 - 2018, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **CVApool: using null-space of CNN weights for the tooth disease classification**
Can Z., Isik S., Anagun Y.
NEURAL COMPUTING AND APPLICATIONS, vol.36, no.26, pp.16567-16579, 2024 (SCI-Expanded)
- II. **Fabric defects identification for textile industry with a deep learning approach**
Guder O., Işık Ş., Anagün Y.
Journal of the Textile Institute, 2024 (SCI-Expanded)
- III. **Predicting compressor mass flow rate using various machine learning approaches**
Yazar I., Anagün Y., Işık Ş.
International Journal of Turbo and Jet Engines, 2024 (SCI-Expanded)
- IV. **Predicting Soil Quality Index with a Deep Regression Approach**
Işık Ş., Turgut B., Anagün Y., Olgun M.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.55, pp.1313-1323, 2024 (SCI-Expanded)
- V. **Smart brain tumor diagnosis system utilizing deep convolutional neural networks**
Anagün Y.
Multimedia Tools and Applications, vol.82, no.28, pp.44527-44553, 2023 (SCI-Expanded)
- VI. **Predicting soil EC using spectroscopy and smartphone-based digital images**
GÖZÜKARA G., ANAGÜN Y., IŞIK Ş., Zhang Y., Hartemink A. E.
CATENA, vol.231, 2023 (SCI-Expanded)
- VII. **Surface roughness classification of electro discharge machined surfaces with deep ensemble learning**
ANAGÜN Y., IŞIK Ş., Hayati Çakir F. H.
Measurement: Journal of the International Measurement Confederation, vol.215, 2023 (SCI-Expanded)
- VIII. **Evaluation of EfficientNet models for COVID-19 detection using lung parenchyma**
Kurt Z., IŞIK Ş., KAYA Z., ANAGÜN Y., Koca N., Çiçek S.
Neural Computing and Applications, vol.35, no.16, pp.12121-12132, 2023 (SCI-Expanded)

- IX. **The classification of wheat species based on deep convolutional neural networks using scanning electron microscope (SEM) imaging**
Anagün Y., Işık Ş., Olgun M., Sezer O., Basciftci Z., Arpacioğlu N. G. A.
EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.249, no.4, pp.1023-1034, 2023 (SCI-Expanded)
- X. **DEEP LEARNING-BASED CUSTOMER COMPLAINT MANAGEMENT**
Anagün Y., Bolel N. S., Işık Ş., Ozkan S. E.
JOURNAL OF ORGANIZATIONAL COMPUTING AND ELECTRONIC COMMERCE, vol.32, no.3-4, pp.217-231, 2022 (SCI-Expanded)
- XI. **SRLibrary: Comparing different loss functions for super-resolution over various convolutional architectures**
ANAGÜN Y., IŞIK Ş., SEKE E.
JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION, vol.61, pp.178-187, 2019 (SCI-Expanded)
- XII. **Multi-frame super-resolution algorithm using common vector approach**
SEKE E., ANAGÜN Y., ADAR N.
IET IMAGE PROCESSING, vol.12, no.12, pp.2292-2299, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Ensemble learning application for textile defect detection**
Guder O., Isik S., Anagün Y.
International Journal of Applied Methods in Electronics and Computers, vol.11, no.3, pp.145-150, 2023 (Peer-Reviewed Journal)
- II. **Contribution Analysis of Optimization Methods on Super-Resolution**
ANAGÜN Y., IŞIK Ş.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.21, no.6, pp.1343-1352, 2021 (Peer-Reviewed Journal)
- III. **A Deep Learning Based Sleepness And Wakefulness Detection for Drivers**
IŞIK Ş., ANAGÜN Y.
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.29, no.3, pp.311-315, 2021 (Peer-Reviewed Journal)
- IV. **Spam E-mail Classification Recurrent Neural Networks for Spam E-mail Classification on an Agglutinative Language**
IŞIK Ş., KURT Z., ANAGÜN Y., ÖZKAN K.
International Journal of Intelligent Systems and Applications in Engineering, vol.8, no.4, pp.221-227, 2020 (Scopus)
- V. **REAL TIME PEDESTRIAN ALERT SYSTEM FOR VEHICLES**
IŞIK Ş., VATANSEVER G., ANAGÜN Y., ÇELİKHAN M., ÖZKAN K.
Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, vol.21, no.3, pp.446-453, 2020 (Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **Hafif Evrimsel Sinir Ağı İle Tırnak Hastalığı Sınıflandırması**
IŞIK Ş., CAN Z., ANAGÜN Y., GÜDER O.
16. Uluslararası Sağlıkta Kalite, Akreditasyon Ve Hasta Güvenliği Kongresi, Antalya, Turkey, 22 - 25 May 2022
- II. **Computer-Aided Embryo Quality Determination In Vitro Fertilization (IVF) Treatment**
ANAGÜN Y., IŞIK Ş.
16th International Congress on Quality in Healthcare, Accreditation and Patient Safety, Antalya, Turkey, 22 May 2022, pp.74
- III. **Deep Neural Network Framework for Automatic Brain Tumor Segmentation Using Magnetic**

Resonance Images

ANAGÜN Y., IŞIK Ş.

Mediterranean International Conference on Research in Applied Sciences, Antalya, Turkey, 22 April 2022, pp.3-4

- IV. **Artificial Intelligence Based Brain Tumor Diagnosis System**
ANAGÜN Y., IŞIK Ş.
Mediterranean International Conference on Research in Applied Sciences, Antalya, Turkey, 22 April 2022, pp.5-6
- V. **Classification of Customer Complaints with Deep Learning**
Anagün Y.
International Conference on Engineering Technologies (ICENTE'20), Konya, Turkey, 19 - 21 November 2020, pp.50-54
- VI. **Interpretation of Turkish Sign Language with Deep Learning and Mobile Application**
Anagün Y.
International Conference on Engineering Technologies (ICENTE'20), Konya, Turkey, 19 - 21 November 2020, pp.47-49
- VII. **One-Sample-Based Face Recognition Using Deep Learning**
Anagün Y.
9th International Conference on Engineering and Natural Sciences (ISPEC), Ankara, Turkey, 13 - 15 November 2020, pp.108-109
- VIII. **Image Enhancement with Outlier Detection**
Anagün Y., Adar N., Seke E.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- IX. **Video Super-Resolution Based on Block Motion Estimation and Gradient Magnitude**
ANAGÜN Y., SEKE E., ADAR N.
International Symposium on Innovations in Intelligent Systems and Applications (INISTA 2015), Madrid, Spain, 2 - 04 September 2015, pp.77-82
- X. **Super resolution using variable size block matching motion estimation with rotation**
Anagün Y., Seke E.
2012 International Symposium on Innovations in Intelligent Systems and Applications, Trabzon, Turkey, 2 - 04 July 2012
- XI. **Super resolution using block-matching motion estimation with rotation**
Anagün Y., Seke E.
2012 20th Signal Processing and Communications Applications Conference (SIU), Muğla, Turkey, 18 - 20 April 2012
- XII. **Locus Travel: A Three-Tier Architecture Approach for Bus Travel E-commerce**
Anagün Y., Özmen A.
International Conference on Semantic Web Web Services, SWWS 2007, Nevada, United States Of America, 25 - 27 June 2007, pp.139-143

Supported Projects

YAZAR I., ANAGÜN Y., IŞIK Ş., Project Supported by Higher Education Institutions, ÇEŞİTLİ MAKİNE ÖĞRENME YAKLAŞIMLARI KULLANILARAK KOMPRESÖR KÜTLE DEBİSİNİN TAHMİN EDİLMESİ, 2023 - 2024

Metrics

Publication: 29

Citation (WoS): 71

Citation (Scopus): 108

H-Index (WoS): 5

H-Index (Scopus): 5