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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: ABI-3936-2020

ScopusID: 57191953654

Yoksis Araştırmacı ID: 48649

Eğitim Bilgileri

Post Doktora, İhsan Doğramacı Bilkent Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Türkiye 2021 - 2023

Doktora, Konya Teknik Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Türkiye 2015 - 2019

Lisans, Selçuk Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Türkiye 2013 - 2017

Yüksek Lisans, Selçuk Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, Türkiye 2011 - 2015

Lisans, Pamukkale Üniversitesi, TEKNİK EĞİTİM FAKÜLTESİ, ELEKTRONİK VE BİLGİSAYAR EĞİTİMİ BÖLÜMÜ, Türkiye 2007 - 2011

Araştırma Alanları

Bilgisayarla Görme, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Biyomedikal Görüntü İşleme, Biyosinyal İşleme

Akademik Unvanlar / Görevler

Doç. Dr., Ankara Hacı Bayram Veli Üniversitesi, İktisadi Ve İdari Bilimler Fakültesi, Yönetim Bilişim Sistemleri Bölümü, 2024 - Devam Ediyor

Doç. Dr., Amasya Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, 2021 - 2024

Araştırma Görevlisi, Amasya Üniversitesi, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ, 2013 - 2021

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Reverse gamma correction based GARCH model for underwater image dehazing and detail exposure**
Alenezi F., Armghan A., Alharbi A. G., ÖZTÜRK Ş., Althubiti S. A., Mansour R. F.
Expert Systems with Applications, cilt.232, 2023 (SCI-Expanded)
- Unsupervised Medical Image Translation with Adversarial Diffusion Models**

- Özbey M., Dalmaz O., Dar S. U. H., Bedel H. A., ÖZTÜRK Ş., Güngör A., Çukur T.
IEEE Transactions on Medical Imaging, cilt.42, sa.12, ss.3524-3539, 2023 (SCI-Expanded)
- III. **Parallel-stream fusion of scan-specific and scan-general priors for learning deep MRI reconstruction in low-data regimes**
Dar S. U. H., ÖZTÜRK Ş., Özbey M., Oguz K. K., Çukur T.
Computers in Biology and Medicine, cilt.167, 2023 (SCI-Expanded)
- IV. **Adaptive diffusion priors for accelerated MRI reconstruction**
Güngör A., Dar S. U., ÖZTÜRK Ş., Korkmaz Y., Bedel H. A., Elmas G., Ozbey M., Çukur T.
Medical Image Analysis, cilt.88, 2023 (SCI-Expanded)
- V. **Content-based medical image retrieval with opponent class adaptive margin loss**
ÖZTÜRK Ş., Çelik E., Çukur T.
Information Sciences, cilt.637, 2023 (SCI-Expanded)
- VI. **Focal modulation network for lung segmentation in chest X-ray images**
ÖZTÜRK Ş., Çukur T.
Turkish Journal of Electrical Engineering and Computer Sciences, cilt.31, sa.6, ss.1006-1020, 2023 (SCI-Expanded)
- VII. **An effective hashing method using W-Shaped contrastive loss for imbalanced datasets**
Alenezi F., ÖZTÜRK Ş., Armghan A., Polat K.
Expert Systems with Applications, cilt.204, 2022 (SCI-Expanded)
- VIII. **Deep Clustering via Center-Oriented Margin Free-Triplet Loss for Skin Lesion Detection in Highly Imbalanced Datasets**
ÖZTÜRK Ş., Çukur T.
IEEE Journal of Biomedical and Health Informatics, cilt.26, sa.9, ss.4679-4690, 2022 (SCI-Expanded)
- IX. **A novel binary emperor penguin optimizer for feature selection tasks**
Kalra M., Kumar V., Kaur M., Idris S. A., ÖZTÜRK Ş., Alshazly H.
Computers, Materials and Continua, cilt.70, sa.3, ss.6239-6255, 2022 (SCI-Expanded)
- X. **A novel classification framework using multiple bandwidth method with optimized CNN for brain-computer interfaces with EEG-fNIRS signals**
Nour M., ÖZTÜRK Ş., Polat K.
Neural Computing and Applications, cilt.33, sa.22, ss.15815-15829, 2021 (SCI-Expanded)
- XI. **An adaptive deep learning framework to classify unknown composite power quality event using known single power quality events**
Sindi H., Nour M., Rawa M., ÖZTÜRK Ş., Polat K.
Expert Systems with Applications, cilt.178, 2021 (SCI-Expanded)
- XII. **A novel hybrid deep learning approach including combination of 1D power signals and 2D signal images for power quality disturbance classification**
Sindi H., Nour M., Rawa M., ÖZTÜRK Ş., Polat K.
Expert Systems with Applications, cilt.174, 2021 (SCI-Expanded)
- XIII. **Class-driven content-based medical image retrieval using hash codes of deep features**
ÖZTÜRK Ş.
Biomedical Signal Processing and Control, cilt.68, 2021 (SCI-Expanded)
- XIV. **Classification of Coronavirus (COVID-19) from X-ray and CT images using shrunken features**
ÖZTÜRK Ş., Özkaya U., Barstuğan M.
International Journal of Imaging Systems and Technology, cilt.31, sa.1, ss.5-15, 2021 (SCI-Expanded)
- XV. **Residual CNN + Bi-LSTM model to analyze GPR B scan images**
Özkaya U., ÖZTÜRK Ş., Melgani F., Seyfi L.
Automation in Construction, cilt.123, 2021 (SCI-Expanded)
- XVI. **Random fully connected layered 1D CNN for solving the Z-bus loss allocation problem**
Sindi H., Nour M., Rawa M., ÖZTÜRK Ş., Polat K.
Measurement: Journal of the International Measurement Confederation, cilt.171, 2021 (SCI-Expanded)
- XVII. **Attention-based end-to-end CNN framework for content-based X-ray image retrieval**
ÖZTÜRK Ş., Alhudhaif A., Polat K.

- Turkish Journal of Electrical Engineering and Computer Sciences, cilt.29, ss.2680-2693, 2021 (SCI-Expanded)
- XVIII. **Comparative regression analysis for estimating resonant frequency of C-like patch antennas**
Özkaya U., Yigit E., Seyfi L., ÖZTÜRK Ş., Singh D.
Mathematical Problems in Engineering, cilt.2021, 2021 (SCI-Expanded)
- XIX. **Residual LSTM layered CNN for classification of gastrointestinal tract diseases**
ÖZTÜRK Ş., Özkaya U.
Journal of Biomedical Informatics, cilt.113, 2021 (SCI-Expanded)
- XX. **Automatic Detection of Power Quality Disturbance Using Convolutional Neural Network Structure with Gated Recurrent Unit**
YİĞİT E., Özkaya U., ÖZTÜRK Ş., Singh D., Gritli H.
Mobile Information Systems, cilt.2021, 2021 (SCI-Expanded)
- XXI. **Stacked auto-encoder based tagging with deep features for content-based medical image retrieval**
ÖZTÜRK Ş.
Expert Systems with Applications, cilt.161, 2020 (SCI-Expanded)
- XXII. **Variants of Artificial Bee Colony algorithm and its applications in medical image processing**
ÖZTÜRK Ş., Ahmad R., Akhtar N.
Applied Soft Computing Journal, cilt.97, 2020 (SCI-Expanded)
- XXIII. **A healthcare evaluation system based on automated weighted indicators with cross-indicators based learning approach in terms of energy management and cybersecurity**
Nour M., Sindi H., Abozinadah E., ÖZTÜRK Ş., Polat K.
International Journal of Medical Informatics, cilt.144, 2020 (SCI-Expanded)
- XXIV. **Gastrointestinal tract classification using improved LSTM based CNN**
ÖZTÜRK Ş., Özkaya U.
Multimedia Tools and Applications, cilt.79, sa.39-40, ss.28825-28840, 2020 (SCI-Expanded)
- XXV. **Skin Lesion Segmentation with Improved Convolutional Neural Network**
ÖZTÜRK Ş., Özkaya U.
Journal of Digital Imaging, cilt.33, sa.4, ss.958-970, 2020 (SCI-Expanded)
- XXVI. **Cell-type based semantic segmentation of histopathological images using deep convolutional neural networks**
ÖZTÜRK Ş., Akdemir B.
International Journal of Imaging Systems and Technology, cilt.29, sa.3, ss.234-246, 2019 (SCI-Expanded)
- XXVII. **A convolutional neural network model for semantic segmentation of mitotic events in microscopy images**
ÖZTÜRK Ş., Akdemir B.
Neural Computing and Applications, cilt.31, sa.8, ss.3719-3728, 2019 (SCI-Expanded)
- XXVIII. **HIC-net: A deep convolutional neural network model for classification of histopathological breast images**
ÖZTÜRK Ş., Akdemir B.
Computers and Electrical Engineering, cilt.76, ss.299-310, 2019 (SCI-Expanded)
- XXIX. **Effective histopathological image area reduction method for real-time applications**
ÖZTÜRK Ş., Akdemir B.
Journal of Electronic Imaging, cilt.27, sa.5, 2018 (SCI-Expanded)
- XXX. **Fuzzy logic-based segmentation of manufacturing defects on reflective surfaces**
ÖZTÜRK Ş., Akdemir B.
Neural Computing and Applications, cilt.29, sa.8, ss.107-116, 2018 (SCI-Expanded)
- XXXI. **Real-time product quality control system using optimized Gabor filter bank**
ÖZTÜRK Ş., Akdemir B.
International Journal of Advanced Manufacturing Technology, cilt.96, sa.1-4, ss.11-19, 2018 (SCI-Expanded)
- XXXII. **Phase classification of mitotic events using selective dictionary learning for stem cell populations**
ÖZTÜRK Ş., Akdemir B.
Computers and Electrical Engineering, cilt.67, ss.25-37, 2018 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Hash Code Generation using Deep Feature Selection Guided Siamese Network for Content-Based Medical Image Retrieval**
ÖZTÜRK Ş.
GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.34, sa.3, ss.733-746, 2021 (ESCI)
- II. **Dimension optimization of multi-band microstrip antennas using deep learning methods**
ÖZKAYA U., SEYFİ L., ÖZTÜRK Ş.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, cilt.27, sa.2, ss.229-233, 2021 (ESCI)
- III. **Mozaiklenmiş İnsansız Hava Aracı Görüntülerinde Eksik Bölgelerin Exemplar İç Boyaması ile Elde Edilmesi**
ÖZKAYA U., MAKİNECİ H. B., ÖZTÜRK Ş., ORHAN O.
GEOMATİK, sa.1, ss.61-68, 2021 (Hakemli Dergi)
- IV. **Roof-KSA: Binaların Semantik Bölütlemesi İçin Az Parametreye Sahip Konvolüsyonel Sinir Ağı Modeli**
ÖZKAYA U., ÖZTÜRK Ş.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, cilt.2, sa.2, ss.1094-1105, 2020 (Hakemli Dergi)
- V. **FUSED DEEP FEATURES BASED CLASSIFICATION FRAMEWORK FOR COVID-19 CLASSIFICATION WITH OPTIMIZED MLP**
ÖZTÜRK Ş., YİĞİT E., ÖZKAYA U.
SELCUK UNIVERSITY JOURNAL OF ENGINEERING, SCIENCE AND TECHNOLOGY, cilt.8, ss.15-27, 2020 (Hakemli Dergi)
- VI. **A Two-stage Whale Optimization Method for Classification of Parkinson s Disease Voice Recordings**
ÖZTÜRK Ş., ÜNAL Y.
International Journal of Intelligent Systems and Applications in Engineering, cilt.8, sa.2, ss.84-93, 2020 (Scopus)
- VII. **COMPARISON OF HOG, MSER, SIFT, FAST, LBP AND CANNY FEATURES FOR CELL DETECTION IN HISTOPATHOLOGICAL IMAGES**
ÖZTÜRK Ş., AKDEMİR B.
Helix, cilt.8, sa.3, ss.3321-3325, 2018 (Hakemli Dergi)
- VIII. **Detection of PCB Soldering Defects using Template Based Image Processing Method**
ÖZTÜRK Ş., AKDEMİR B.
International Journal of Intelligent Systems and Applications in Engineering, cilt.5, sa.4, ss.269-273, 2017 (Hakemli Dergi)
- IX. **Control of a real-time humanoid robot based on gesture detection**
ÖZTÜRK Ş., Akdemir B.
Electronics World, cilt.123, sa.1975, ss.34-37, 2017 (Scopus)
- X. **A Novel Isolated Filter Built with One Transistor for Industrial Devices**
AKDEMİR B., KULAKSIZ A. A., ÖZTÜRK Ş.
International Journal of Electronics and Electrical Engineering, cilt.4, sa.3, ss.226-230, 2016 (Hakemli Dergi)
- XI. **Glass Surface Defects Detection with Wavelet Transforms**
AKDEMİR B., ÖZTÜRK Ş.
International Journal of Materials, Mechanics and Manufacturing, cilt.3, sa.3, ss.170-173, 2015 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **Diagnostic Biomedical Signal and Image Processing Applications With Deep Learning Methods**
POLAT K., ÖZTÜRK Ş.
Elsevier - Academic Press, 2023
- II. **Convolutional Neural Networks for Medical Image Processing Applications**
ÖZTÜRK Ş.

CRC Press, Boca Raton, 2022

III. Gaussian Regression Models for Day-Level Forecasting of COVID-19 in European Countries

ÖZKAYA U., ÖZTÜRK Ş.

Understanding COVID-19: The Role of Computational Intelligence, Janmenjoy Nayak, Bighnaraj Naik, Ajith Abraham, Editör, Springer, ss.339-356, 2022

IV. Coronavirus (COVID-19) Classification Using Deep Features Fusion and Ranking Technique

ÖZKAYA U., ÖZTÜRK Ş., BARSTUĞAN M.

Big Data Analytics and Artificial Intelligence Against COVID-19: Innovation Vision and Approach, Aboul-Ella Hassanien, Nilanjan Dey, Sally Elghamrawy, Editör, Springer, ss.281-295, 2020

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Focal Modulation Based End-to-End Multi-Label Classification for Chest X-Ray Image Classification

ÖZTÜRK Ş., ÇUKUR T.

31. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Türkiye, 5 - 08 Temmuz 2023

II. Comparison of Current Convolutional Neural Network Architectures for Classification of Damaged and Undamaged Cars

ÜNAL Y., ÖZTÜRK Ş., Dudak M. N., EKİCİ M.

Proceedings of the 2nd International Conference on Deep Learning, Artificial Intelligence and Robotics, İtalya, 07 Aralık 2020

III. Detailed Investigation and Comparison of Various Binarization Algorithms for Hashing

ÖZTÜRK Ş.

2021 3rd International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), Türkiye, 11 - 13 Haziran 2021

IV. Comparison of Pairwise Similarity Distance Methods for Effective Hashing

ÖZTÜRK Ş.

INTERNATIONAL CONFERENCE ON APPLIED SCIENTIFIC COMPUTATIONAL INTELLIGENCEUSING DATA SCIENCE, Hindistan, 22 - 23 Aralık 2020

V. Image Inpainting based Compact Hash Code Learning using Modified U-Net

ÖZTÜRK Ş.

2020 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Istanbul, Turkey, Türkiye, 22 - 24 Ekim 2020

VI. Convolutional neural network based dictionary learning to create hash codes for content-based image retrieval

ÖZTÜRK Ş.

10th International Conference of Information and Communication Technology (ICICT-2020), Hindistan, 13 - 15 Kasım 2020

VII. Siamese Network kullanarak İki Aşamalı Sıralı Kayıplara dayalı Otomatik Hash Kodu Üretimi

ÖZTÜRK Ş.

1st International Conference on Computer, Electrical and Electronics Sciences, Konya, Türkiye, 8 - 10 Ekim 2020, ss.39-46

VIII. Enhancement of Near Field GB-SAR Image Quality Using Beamwidth Filter

YİĞİT E., ÖZKAYA U., ÖZTÜRK Ş.

1st international conference on Computer,Electrical and Electronics Sciences, Konya, Türkiye, 8 - 10 Ekim 2020, ss.480-487

IX. An Efficient Retinal Blood Vessel Segmentation using Morphological Operations

ÖZKAYA U., ÖZTÜRK Ş., SEYFİ L., AKDEMİR B.

2018 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkey, Türkiye, 19 - 21 Ekim 2018

X. Convolution Kernel Size Effect on Convolutional Neural Network in Histopathological Image

Processing Applications

ÖZTÜRK Ş., ÖZKAYA U., AKDEMİR B., SEYFİ L.

International Symposium on Fundamentals of Electrical Engineering 2018, Bucharest, Romanya, 1 - 03 Kasım 2018

XI. Weighting and Classification of Image Features using Optimization Algorithms

ÖZTÜRK Ş., ÖZKAYA U., AKDEMİR B., SEYFİ L.

International Symposium on Fundamentals of Electrical Engineering 2018, Bucharest, Romanya, 1 - 03 Kasım 2018

XII. Effects of Histopathological Image Pre-processing on Convolutional Neural Networks

ÖZTÜRK Ş., AKDEMİR B.

International Conference on Computational Intelligence and Data Science, Gurugram, Hindistan, 7 - 08 Nisan 2018, cilt.132, ss.396-403

XIII. Application of Feature Extraction and Classification Methods for Histopathological Image using GLCM, LBP, LBGLCM, GLRLM and SFTA

ÖZTÜRK Ş., AKDEMİR B.

International Conference on Computational Intelligence and Data Science, Gurugram, Hindistan, 7 - 08 Nisan 2018, cilt.132, ss.40-46

XIV. Combining different image parts of instruments with image mosaicing

ÖZTÜRK Ş., ÖZKAYA U., AKDEMİR B., SEYFİ L., KULAKSIZ A. A.

4th International Scientific and Practical Conference «Problems of Infocommunications. Science and Technology», Kharkiv, Ukrayna, 9 - 12 Ekim 2017

XV. Soft Tissue Sacromas Segmentation using Optimized OtsuThresholding Algorithms

ÖZTÜRK Ş., ÖZKAYA U., AKDEMİR B., SEYFİ L.

5th International Conference on New Frontiers of Engineering, Science, Management and Humanities, New Delhi, Hindistan, 17 Eylül 2017, ss.809-814

XVI. Automatic leaf segmentation using grey wolf optimizer based neural network

ÖZTÜRK Ş., AKDEMİR B.

Electronics, 2017, Palang, Bangladeş, 19 - 21 Haziran 2017

XVII. NOVEL STRATEGIES FOR MPPT OPERATION

ÖZKAYA U., ÖZTÜRK Ş., SEYFİ L., AKDEMİR B.

INTERNATIONAL CONFERENCE ON ADVANCESIN SCIENCE AND ARTS ISTANBUL 2017, 22 - 31 Mart 2017

XVIII. REGION ANALYSIS OF BURIED OBJECT BASED ON FULLY AUTOMATED IMAGE PROCESSING

ÖZKAYA U., ÖZTÜRK Ş., SEYFİ L., AKDEMİR B.

INTERNATIONAL CONFERENCE ON ADVANCESIN SCIENCE AND ARTS ISTANBUL 2017, 29 - 31 Mart 2017

XIX. Novel BiasFeed cellular neural network model for glass defect inspection

ÖZTÜRK Ş., AKDEMİR B.

Control, Decision and Information Technologies (CoDIT), 2016 International Conference on, Saint Julian's, Malta, 6 - 08 Nisan 2016

XX. Comparison of Edge Detection Algorithms for Texture Analysis on Glass Production

ÖZTÜRK Ş., AKDEMİR B.

World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Türkiye, 28 Mayıs 2015, cilt.195, ss.2675-2682

Desteklenen Projeler

Öztürk Ş., Çukur T., TÜBİTAK Projesi, Federe Öğrenme İle Çok Kuruluşlu Tıbbi Görüntü Erişimine Dayalı Karar Destek Sistemi, 2023 - 2026

Öztürk Ş., TÜBİTAK Projesi, Görsel Dönüştürücü Sinir Ağları İle X-Ray Görüntülerinden Hastalık Tespiti, 2021 - 2023

Öztürk Ş., TÜBİTAK Projesi, İçerik Tabanlı Medikal Görüntü Erişim Sistemleri İçin Yeni Görsel Dikkat (Visual Attention) Yöntemine Dayalı Hash Kod Üretimi, 2020 - 2021

Akdemir B., TÜBİTAK Projesi, Cam Üretiminde Görüntü İşleme İle Tozdan Bağımsız Ürün Kontrol Sistemi, 2015 - 2017

Metrikler

Yayın: 67
Atıf (Scopus): 1074
H-İndeks (WoS): 16
H-İndeks (Scopus): 19

Burslar

2250-Lisansüstü Bursları Performans Programı, TÜBİTAK, 2024 - 2024