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Eğitim Bilgileri

Doktora, Gebze Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2007 - 2011
Yüksek Lisans, Fatih Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 2004 - 2006
Lisans, Fatih Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Türkiye 2000 - 2004

Araştırma Alanları

Avesis Araştırma Alanları: Algoritmalar, Bilgisayarla Görme, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma
WoS Araştırma Alanları: Bilgisayar Bilimi
Scopus Araştırma Alanları: Genel Bilgisayar Bilimi

Akademik Ünvanlar / Görevler

Doç. Dr., Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Bilgisayar Mühendisliği, 2021 - Devam Ediyor
Dr. Öğr. Üyesi, İstanbul Medeniyet Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Bilgisayar Mühendisliği, 2011 - 2021

Akademik İdari Deneyim

Bölüm Başkanı, İstanbul Medeniyet Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Bilgisayar Mühendisliği, 2017 - 2020
Bölüm Başkanı, İstanbul Medeniyet Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Bilgisayar Mühendisliği, 2014 - 2015

Makaleler

I. **Improving Chronological Age Estimation in Children Using the Demirjian Method Enhanced with Transformer and Regression Models**
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IV. **Differentiation of lung and breast cancer brain metastases: Comparison of texture analysis and deep convolutional neural networks**
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VI. **Dental biometric systems: a comparative study of conventional descriptors and deep learning-based features**
OKTAY A. B., Akhtar Z., Gurses A.
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VII. **The validity of an objective measurement method using the Leap Motion Controller for fingers wrist, and forearm ranges of motion**
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VIII. **Differential diagnosis of Parkinson and essential tremor with convolutional LSTM networks**
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IX. **Automatic detection, localization and segmentation of nano-particles with deep learning in microscopy images**
Oktay A. B., Gurses A.
MICRON, cilt.120, ss.113-119, 2019 (SCI-Expanded, Scopus)

X. **Human identification with dental panoramic radiographic images**
Oktay A. B.
IET BIOMETRICS, cilt.7, sa.4, ss.349-355, 2018 (SCI-Expanded, Scopus)

XI. **Nintendo Wii assessment of Hoehn and Yahr score with Parkinson's disease tremor**
Kocer A., Oktay A. B.
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XII. **Computer aided diagnosis of degenerative intervertebral disc diseases from lumbar MR images**
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XIII. **Extraction of left ventricle borders with local and global priors from echocardiograms**
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XIV. **Simultaneous Localization of Lumbar Vertebrae and Intervertebral Discs With SVM-Based MRF**
Oktay A. B., Akgul Y. S.
IEEE TRANSACTIONS ON BIOMEDICAL ENGINEERING, cilt.60, sa.9, ss.2375-2383, 2013 (SCI-Expanded, Scopus)

XV. **A Modular Framework for Shape- and Image-prior-based Anatomical Structure Contour Extraction**
Oktay A. B., Akgul Y. S.
JOURNAL OF MEDICAL AND BIOLOGICAL ENGINEERING, cilt.31, sa.6, ss.413-420, 2011 (SCI-Expanded, Scopus)

XVI. **Forecasting air pollutant indicator levels with geographic models 3 days in advance using neural networks**
Kurt A., Oktay A. B.

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XVII. **An online air pollution forecasting system using neural networks**
Kurt A., Gulbagci B., Karaca F., Alagha O.
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Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

I. **Human Identification with Panoramic Dental Images using Mask R-CNN and SURF**
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II. **Tooth Restoration and Dental Work Detection on Panoramic Dental Images via CNN**
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2020 Medical Technologies Congress (TIPTEKNO), ELECTR NETWORK, 19 - 20 Kasım 2020, (Tam Metin Bildiri)

III. **Diagnosis of COVID-19 with a Deep Learning Approach on Chest CT Slices**
Yener F. M., Oktay A. B.
2020 Medical Technologies Congress (TIPTEKNO), ELECTR NETWORK, 19 - 20 Kasım 2020, (Tam Metin Bildiri)

IV. **Air Pollution Forecasting with Random Forest Time Series Analysis**
Altincop H., Oktay A. B.
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V. **Nanoparticle Detection from TEM Images with Deep Learning**
Guven G., Oktay A. B.
26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Türkiye, 2 - 05 Mayıs 2018, (Tam Metin Bildiri)

VI. **Forecasting CO2 Emission with Machine Learning Methods**
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VII. **Tooth Detection with Convolutional Neural Networks**
Oktay A. B.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Türkiye, 12 - 14 Ekim 2017, (Tam Metin Bildiri)

VIII. **Prostate Localization from Abdominal Ultrasound Images by Using a Two-Level Approach**
Albayrak N. B., Oktay A. B., Akgul Y. S.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017, (Tam Metin Bildiri)

IX. **Diagnosis of Degenerative Intervertebral Disc Disease with Deep Networks and SVM**
Oktay A. B., Akgul Y. S.
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X. **PROSTATE DETECTION FROM ABDOMINAL ULTRASOUND IMAGES: A PART BASED APPROACH**
Albayrak N. B., Oktay A. B., Akgul Y. S.
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XI. **SEGMENTATION OF Fe3O4 NANO PARTICLES IN TEM IMAGES**
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22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.1849-1852, (Tam Metin Bildiri)

XII. **Desiccation Detection from Lumbar MR Images**
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XIII. **Localization of the Lumbar Discs Using Machine Learning and Exact Probabilistic Inference**
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XIV. **Artificial Neural Networks based modelling of CO Effects of spatial parameters**
KURT A., OKTAY A. B., KARACA F., alagha O.
Information Technologies in Environmental Engineering, 1 - 03 Mayıs 2009, ss.345-356, (Tam Metin Bildiri)

XV. **Echocardiographic Contour Extraction with Local and Global Priors through Boosting and Level Sets**
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XVI. **A Novel Level Set Based Echocardiographic Contour Extraction Method with Prior Knowledge**
OKTAY A. B., AKGÜL Y. S.
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XVII. **Prior Information Based Segmentation: A 3D Level Set Surface Matching Approach**
Oktay A. B., Akgul Y. S.
23rd International Symposium on Computer and Information Sciences (ISCIS), İstanbul, Türkiye, 27 - 29 Ekim 2008, ss.419-424, (Tam Metin Bildiri)

Metrikler

Yayın: 34
Atıf (WoS): 668
Atıf (Scopus): 598
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