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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Boğaziçi Üniversitesi, Biyomedikal Mühendisliği Enstitüsü, Biyomedikal Mühendisliği, Türkiye 2009 - 2014

Yüksek Lisans, Bahçeşehir Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Türkiye 2006 - 2009

Lisans, Bahçeşehir Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Türkiye 2002 - 2006

Araştırma Alanları

Biyomedikal Mühendisliği, Biyosinyal İşleme, Biyosinyal İşleme, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Biyomedikal Mühendisliği, 2015 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Deep learning-driven feature engineering for lung disease classification through electrical impedance tomography imaging**
Cansız B., Kilinc C. U., SERBES G.
Biomedical Signal Processing and Control, cilt.100, 2025 (SCI-Expanded)
- II. **Robust Spike Sorting using Dual Tree Complex Wavelet Transform: Overcoming Traditional Limitations**
Serbes G.
IEEE ACCESS, cilt.13, sa.1, ss.3497-3511, 2025 (SCI-Expanded)
- III. **Bridging Auscultation and Tiny Machine Learning: A Digital Stethoscope Leveraging Convolutional Neural Networks on an Embedded Device for Organ Sound Analysis**
Mutlu E., Hüseyin V., Serbes G.
TRAITEMENT DU SIGNAL, cilt.41, sa.5, ss.2471-2483, 2024 (SCI-Expanded)
- IV. **Tunable Q-factor wavelet transform based lung signal decomposition and statistical feature extraction for effective lung disease classification**
Cansız B., Kilinc C. U., SERBES G.
Computers in Biology and Medicine, cilt.178, 2024 (SCI-Expanded)
- V. **Hi-LabSpermMorpho: A Novel Expert-Labeled Dataset with Extensive Abnormality Classes for Deep**

Learning-Based Sperm Morphology Analysis

AKTAŞ A., SERBES G., Yigit M. H., Aydın N., UZUN H., İLHAN H. O.

IEEE Access, cilt.12, ss.196070-196091, 2024 (SCI-Expanded)

- VI. **The Evaluation of Nature-Inspired Optimization Techniques for Contrast Enhancement in Images: A Novel Software Tool**
İLHAN H. O., ELBİR A., SERBES G., AYDIN N.
Traitement du Signal, cilt.40, sa.4, ss.1305-1318, 2023 (SCI-Expanded)
- VII. **Decision and feature level fusion of deep features extracted from public COVID-19 data-sets**
İlhan H. O., Serbes G., Aydın N.
APPLIED INTELLIGENCE, cilt.52, sa.8, ss.8551-8571, 2022 (SCI-Expanded)
- VIII. **Emboli detection using a wrapper-based feature selection algorithm with multiple classifiers**
Sakar B. E., SERBES G., AYDIN N.
Biomedical Signal Processing and Control, cilt.71, 2022 (SCI-Expanded)
- IX. **Sperm morphology analysis by using the fusion of two-stage fine-tuned deep networks**
İLHAN H. O., SERBES G.
Biomedical Signal Processing and Control, cilt.71, 2022 (SCI-Expanded)
- X. **Resonance based separation and energy based classification of lung sounds using tunable wavelet transform**
Ulukaya S., Serbes G., Kahya Y. P.
COMPUTERS IN BIOLOGY AND MEDICINE, cilt.131, 2021 (SCI-Expanded)
- XI. **Estimation of Parkinson's disease severity using speech features and extreme gradient boosting**
Tunc H. C., Sakar C. O., Apaydin H., SERBES G., Gunduz A., Tutuncu M., Gurgen F.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, cilt.58, sa.11, ss.2757-2773, 2020 (SCI-Expanded)
- XII. **Automated sperm morphology analysis approach using a directional masking technique**
İLHAN H. O., SERBES G., AYDIN N.
Computers in Biology and Medicine, cilt.122, 2020 (SCI-Expanded)
- XIII. **A fully automated hybrid human sperm detection and classification system based on mobile-net and the performance comparison with conventional methods**
İlhan H. O., Sigirci I., Serbes G., Aydın N.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, cilt.58, sa.5, ss.1047-1068, 2020 (SCI-Expanded)
- XIV. **Automatic directional masking technique for better sperm morphology segmentation and classification analysis**
İlhan H. O., Serbes G., Aydın N.
ELECTRONICS LETTERS, cilt.55, sa.5, ss.256-257, 2019 (SCI-Expanded)
- XV. **An open access database for the evaluation of respiratory sound classification algorithms**
Rocha B., Filos D., Mendes L., Serbes G., Ulukaya S., Kahya Y., Jakovljevic N., Turukalo T., Vogiatzis I., Perantonì E., et al.
PHYSIOLOGICAL MEASUREMENT, cilt.40, sa.3, 2019 (SCI-Expanded)
- XVI. **Wheeze type classification using non-dyadic wavelet transform based optimal energy ratio technique**
Ulukaya S., SERBES G., Kahya Y. P.
COMPUTERS IN BIOLOGY AND MEDICINE, cilt.104, ss.175-182, 2019 (SCI-Expanded)
- XVII. **A comparative analysis of speech signal processing algorithms for Parkinson's disease classification and the use of the tunable Q-factor wavelet transform**
Sakar C. O., SERBES G., Gunduz A., Tunc H. C., Nizam H., Sakar B. E., Tutuncu M., Aydın T., Isenkul M. E., Apaydin H.
APPLIED SOFT COMPUTING, cilt.74, ss.255-263, 2019 (SCI-Expanded)
- XVIII. **Overcomplete discrete wavelet transform based respiratory sound discrimination with feature and decision level fusion**
Ulukaya S., SERBES G., Kahya Y. P.
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, cilt.38, ss.322-336, 2017 (SCI-Expanded)
- XIX. **Analyzing the effectiveness of vocal features in early tediagnosis of Parkinson's disease**
Sakar B. E., SERBES G., Sakar C. O.

- PLOS ONE, cilt.12, sa.8, 2017 (SCI-Expanded)
- XX. **Directional dual-tree complex wavelet packet transforms for processing quadrature signals**
Serbes G., Gulcur H. O., AYDIN N.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, cilt.54, ss.295-313, 2016 (SCI-Expanded)
- XXI. **An emboli detection system based on Dual Tree Complex Wavelet Transform and ensemble learning**
SERBES G., Sakar B. E., Gulcur H. O., AYDIN N.
APPLIED SOFT COMPUTING, cilt.37, ss.87-94, 2015 (SCI-Expanded)
- XXII. **Denoising performance of modified dual-tree complex wavelet transform for processing quadrature embolic Doppler signals**
Serbes G., Aydın N.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, cilt.52, sa.1, ss.29-43, 2014 (SCI-Expanded)
- XXIII. **Pulmonary crackle detection using time-frequency and time-scale analysis**
Serbes G., Sakar C. O., Kahya Y. P., AYDIN N.
DIGITAL SIGNAL PROCESSING, cilt.23, sa.3, ss.1012-1021, 2013 (SCI-Expanded)
- XXIV. **Modified dual tree complex wavelet transform for processing quadrature signals**
Serbes G., AYDIN N.
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, cilt.6, sa.3, ss.301-306, 2011 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Detection of Wheeze Sounds in Respiratory Disorders: A Deep Learning Approach**
Hakkı L., Serbes G.
International Advanced Researches and Engineering Journal, cilt.8, sa.1, ss.20-32, 2024 (Hakemli Dergi)
- II. **Akciğer Solunum Seslerinin Spektral Öznitelikler ile Sınıflandırılması**
ULUKAYA S., SERBES G., SEN I., KAHYA Y. P.
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, cilt.22, sa.2, ss.711-716, 2018 (Hakemli Dergi)
- III. **Code generator for implementing dual tree complex wavelet transform on reconfigurable architectures for mobile applications**
CANBAY F., LEVENT V., Serbes G., UGURDAG H., GOREN S., AYDIN N.
Healthcare Technology Letters, cilt.3, sa.3, ss.184-188, 2016 (ESCI)

Kitaplar

- I. **Medikal Görüntü İşleme ve Makine Öğrenmesi**
İlhan H. O., Serbes G.
Biyomedikal Mühendisliğinin Temelleri, İsmail Devocioğlu, Editör, Nobel Yayın Dağıtım, İstanbul, ss.303-337, 2022
- II. **Biyomedikal İşaret İşleme**
Serbes G., İlhan H. O.
Biyomedikal Mühendisliğinin Temelleri, İsmail Devocioğlu, Editör, Nobel Yayın Dağıtım, İstanbul, ss.141-220, 2022
- III. **Medikal Görüntü İşleme ve Makine Öğrenmesi**
İLHAN H. O., SERBES G.
Biyomedikal Mühendisliğinin Temelleri, İsmail Devocioğlu, Editör, Nobel Akademi, Ankara, ss.303-339, 2022
- IV. **Biyomedikal İşaret İşleme**
SERBES G., İLHAN H. O.
Biyomedikal Mühendisliğinin Temelleri, İsmail Devocioğlu, Editör, Nobel Akademi, ss.141-221, 2022
- V. **Effect of Different Window and Wavelet Types on the Performance of a Novel Crackle Detection Algorithm**
Serbes G., Şakar C. O., Aydın N., Kahya Z. Y.

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

- I. **The Effect of Differently Optimized Histogram Stretching Techniques on the Classification Performance of Sperm Morphology**
Eyyubova G., SERBES G., İLHAN H. O.
2023 14th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Türkiye, 02 Aralık 2023
- II. **FISC-Net: Classification of Auscultation Sounds on an Edge Device**
Mutlu E., Hüseyin V., SERBES G.
1st International Conference of Intelligent Methods, Systems and Applications, IMSA 2023, Giza, Mısır, 15 - 16 Temmuz 2023, ss.174-180
- III. **Investigating the Effect of Spatial Fusion of Different Color Spaces on Deep Learning-Based Sperm Image Classification Performance Farkli Renk Uzaylarının Uzamsal Birlesiminin Derin Ogrenme Tabanlı Sperm Görüntü Siniflandırma Performansına Etkisinin İncelenmesi**
CEBECİ M., SERBES G., İLHAN H. O.
8th International Conference on Computer Science and Engineering, UBMK 2023, Burdur, Türkiye, 13 - 15 Eylül 2023, ss.521-525
- IV. **Breast Cancer Detection Using Transformer and BiLSTM Based Ensemble Learning Dönüştürücü ve BiLSTM Tabanlı Topluluk Öğrenmesi Kullanılarak Meme Kanseri Tespiti**
Yılmaz R. E., SERBES G.
31st IEEE Conference on Signal Processing and Communications Applications, SIU 2023, İstanbul, Türkiye, 5 - 08 Temmuz 2023
- V. **The Performance Analysis of Convolutional Neural Networks and Vision Transformers in the Classification of Sperm Morphology Sperm Morfolojisinin Siniflandırılmasında Evrimsel Sinir Ağ ve Görü Donusturucu Modellerin Performans Analizi**
AKTAŞ A., SERBES G., Osman İlhan H. O.
8th International Conference on Computer Science and Engineering, UBMK 2023, Burdur, Türkiye, 13 - 15 Eylül 2023, ss.330-335
- VI. **Wheeze Events Detection Using Convolutional Recurrent Neural Network**
Hakki L., SERBES G.
2023 Innovations in Intelligent Systems and Applications Conference, ASYU 2023, Sivas, Türkiye, 11 - 13 Ekim 2023
- VII. **Performance Comparison of Oral, Laryngeal and Thoracic Sounds in the Detection of COVID-19 by Employing Machine Learning Techniques Oral, Larengeal ve Torakal Konuşma Seslerinin COVID-19 Tespitindeki Performanslarının Yapay Öğrenme Yöntemleriyle Karşılaştırılması**
Gozuacik N., SERBES G., Kara E., Atas E., Okan Sakar C., Murat Yener H., BÖREKÇİ Ş., KORKMAZER B., KARAALI R., Kara H., et al.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Türkiye, 15 - 18 Mayıs 2022
- VIII. **The Effect of Nonlinear Wavelet Transform Based De-noising in Sperm Abnormality Classification**
İLHAN H. O., SIĞIRCI İ. O., SERBES G., AYDIN N.
2018 3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia and Herzegovina, 20 - 23 Eylül 2018
- IX. **The Effects of the Modified Overlapping Group Shrinkage Technique on the Sperm Segmentation in the Stained Images**
İLHAN H. O., SERBES G., AYDIN N.
2018 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 4 - 06 Temmuz 2018

- X. **Dual Tree Complex Wavelet Transform Based Sperm Abnormality Classification**
İLHAN H. O., SERBES G., AYDIN N.
2018 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 4 - 06 Temmuz 2018
- XI. **Short Time Fourier Transform based music genre classification**
ELBİR A., İLHAN H. O., SERBES G., AYDIN N.
2018 Electric Electronics, Computer Science, Biomedical Engineerings'xx Meeting (EBBT), İstanbul, Türkiye, 18 - 19 Nisan 2018
- XII. **An automated lung sound preprocessing and classification system based on spectral analysis methods**
SERBES G., Ulukaya S., Kahya Y. P.
3rd International Conference on Biomedical and Health Informatics, ICBHI 2017, Thessaloniki, Yunanistan, 18 - 21 Kasım 2017, cilt.66, ss.45-49
- XIII. **Performance comparison of wavelet based denoising methods on discontinuous adventitious lung sounds**
Ulukaya S., SERBES G., Kahya Y. P.
39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC 2017, Jeju Island, Güney Kore, 11 - 15 Temmuz 2017, ss.2928-2931
- XIV. **Resonance Based Pre-processing Method for Eliminating Artifacts in Doppler Ultrasound Signals**
SERBES G., AYDIN N.
2017 25TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS CONFERENCE (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- XV. **Resonance based pre-processing method for eliminating artifacts in Doppler ultrasound signals
Doppler Ultrason İşaretlerinde Artifaktların Giderilmesi İçin Rezonans Temelli Ön-işleme Yöntemi**
SERBES G., AYDIN N.
25th Signal Processing and Communications Applications Conference, SIU 2017, Antalya, Türkiye, 15 - 18 Mayıs 2017
- XVI. **An Adaptive and Automatic Parameter Selection Method based on Rational Dilation Wavelet Transform for Wheeze Type Classification**
ULUKAYA S., SERBES G., KAHYA Y. P.
Proceedings of the 8th International Workshop on Biosignal Interpretation (BSI2016), Osaka, Japonya, 01 Kasım 2016, ss.163-166
- XVII. **A Lung Sound Classification System based on the Rational Dilation Wavelet Transform**
Ulukaya S., SERBES G., SEN I., Kahya Y. P.
38th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Florida, Amerika Birleşik Devletleri, 16 - 20 Ağustos 2016, ss.3745-3748
- XVIII. **Impact of Car Arrival/Departure Patterns on EV Parking Lot Energy Storage Capacity**
Guner S., Özdemir A., SERBES G.
International Conference on Probabilistic Methods Applied to Power Systems (PMAPS), Beijing, Çin, 16 - 20 Ekim 2016
- XIX. **Resonance based Respiratory Sound Decomposition Aiming at Localization of Crackles in Noisy Measurements**
Ulukaya S., SERBES G., Kahya Y. P.
38th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Florida, Amerika Birleşik Devletleri, 16 - 20 Ağustos 2016, ss.3688-3691
- XX. **Analysis of Embolic Signals with Directional Dual Tree Rational Dilation Wavelet Transform**
SERBES G., AYDIN N.
38th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Florida, Amerika Birleşik Devletleri, 16 - 20 Ağustos 2016, ss.3821-3824
- XXI. **A Multi-channel Real Time Implementation of Dual Tree Complex Wavelet Transform in Field Programmable Gate Arrays**

CANBAY F., Levent V. E., SERBES G., Ugurdag H. F., Goren S., AYDIN N.

14th Mediterranean Conference on Medical and Biological Engineering and Computing (MEDICON), Paphos, CYPRUS, 31 Mart - 02 Nisan 2016, cilt.57, ss.114-118

XXII. An area efficient real time implementation of dual tree complex wavelet transform in field programmable gate arrays

CANBAY F., Levent V. E., SERBES G., Ugurdag H. F., Goren S., AYDIN N.

15th IEEE International Conference on Bioinformatics and Bioengineering, BIBE 2015, Belgrade, Srbistan Ve Karadağ, 2 - 04 Kasım 2015

XXIII. A micro emboli vs non-emboli classification system based on the directional dual tree rational dilation wavelet transform

SERBES G., Sakar B. E., AYDIN N.

15th IEEE International Conference on Bioinformatics and Bioengineering, BIBE 2015, Belgrade, Srbistan Ve Karadağ, 2 - 04 Kasım 2015

XXIV. Field Programmable Gate Arrays Implementation of Dual Tree Complex Wavelet Transform

CANBAY F., Levent V. E., SERBES G., Goren S., AYDIN N.

37th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Milan, İtalya, 25 - 29 Ağustos 2015, ss.6026-6029

XXV. Directional Dual-Tree Rational-Dilation Complex Wavelet Transform

Serbes G., Gulcur H. O., AYDIN N.

36th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Illinois, Amerika Birleşik Devletleri, 26 - 30 Ağustos 2014, ss.1465-1468

XXVI. Directional dual-tree complex wavelet packet transform implementation using band-limited synthetic signals

Serbes G., AYDIN N., Gulcur H.

International Conference on Health Informatics, ICHI 2013, Vilamoura, Portekiz, 7 - 09 Kasım 2013, cilt.42, ss.9-12

XXVII. Symmetrical Directional Dual-Tree Complex Wavelet Packet Transform

Serbes G., Gulcur H. O., AYDIN N.

36th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Illinois, Amerika Birleşik Devletleri, 26 - 30 Ağustos 2014, ss.820-823

XXVIII. An Emboli Detection System Based on Dual Tree Complex Wavelet Transform

Serbes G., Sakar B. E., AYDIN N., Gulcur H.

13th Mediterranean Conference on Medical and Biological Engineering and Computing 2013, MEDICON 2013, Sevilla, İspanya, 25 - 28 Eylül 2013, cilt.41, ss.819-822

XXIX. Directional Dual-Tree Complex Wavelet Packet Transform

Serbes G., AYDIN N., Gulcur H. O.

35th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Osaka, Japonya, 3 - 07 Temmuz 2013, ss.3046-3049

XXX. Embolic Doppler ultrasound signal detection using modified dual tree complex wavelet transform

Serbes G., AYDIN N.

IEEE-EMBS International Conference on Biomedical and Health Informatics, BHI 2012. In Conj. with the 8th Int. Symp. on Medical Devices and Biosensors and the 7th Int. Symp. on Biomedical and Health Engineering, Hong Kong and Shenzhen, Çin, 2 - 07 Ocak 2012, ss.945-947

XXXI. Extracellular spike detection with resonance based signal decomposition Rezonans esasli işaret ayırtması kullanılarak hücre dışı sinirsel iğnecik tespiti

Serbes G., Kocatürk M., Gülçür H. Ö., AYDIN N.

2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Muğla, Türkiye, 18 - 20 Nisan 2012

XXXII. Pulmonary crackle detection using time-frequency analysis Zaman-frekans analizi kullanarak pulmoner çitirti tespiti

Serbes G., Şakar C. O., Kahya Y., AYDIN N.

2012 20th Signal Processing and Communications Applications Conference, SIU 2012, Fethiye, Muğla, Türkiye, 18 -

20 Nisan 2012

XXXIII. Effect of different window and wavelet types on the performance of a novel crackle detection algorithm

Serbes G., Sakar C. O., Kahya Y. P., AYDIN N.

5th International Conference on Convergence and Hybrid Information Technology, ICHIT 2011, Daejeon, Güney Kore, 22 - 24 Eylül 2011, ss.575-581

XXXIV. Denoising embolic doppler signals using modified complex discrete wavelet transform Embolik doppler işaretlerinin modifiye edilmiş karmaşık ayrik dalgacık dönüşümü ile gürültüden arındırılması

Serbes G., AYDIN N.

2011 IEEE 19th Signal Processing and Communications Applications Conference, SIU 2011, Antalya, Türkiye, 20 - 22 Nisan 2011, ss.566-569

XXXV. Denoising embolic doppler signals using modified complex discrete wavelet transform

SERBES G., AYDIN N.

2011 IEEE 19th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 20 - 22 Nisan 2011

XXXVI. Symmetrical Modified Dual Tree Complex Wavelet Transform for Processing Quadrature Doppler Ultrasound Signals

Serbes G., AYDIN N.

33rd Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS), Massachusetts, Amerika Birleşik Devletleri, 30 Ağustos - 03 Eylül 2011, ss.4816-4819

XXXVII. Feature Extraction using Time-Frequency/Scale Analysis and Ensemble of Feature Sets for Crackle Detection

Serbes G., Sakar C. O., Kahya Y. P., AYDIN N.

33rd Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBS), Massachusetts, Amerika Birleşik Devletleri, 30 Ağustos - 03 Eylül 2011, ss.3314-3317

XXXVIII. Denoising performance of modified dual tree complex wavelet transform

Serbes G., AYDIN N.

10th International Conference on Information Technology and Applications in Biomedicine: Emerging Technologies for Patient Specific Healthcare, ITAB 2010, Corfu, Yunanistan, 2 - 05 Kasım 2010

XXXIX. Denoising Embolic Doppler Ultrasound Signals Using Dual Tree Complex Discrete Wavelet Transform

Serbes G., AYDIN N.

32nd Annual International Conference of the IEEE Engineering-in-Medicine-and-Biology-Society (EMBC 10), Buenos Aires, Arjantin, 30 Ağustos - 04 Eylül 2010, ss.1840-1843

XL. A Complex Discrete Wavelet Transform for Processing Quadrature Doppler Ultrasound Signals

Serbes G., Aydin N.

9th International Conference on Information Technology and Applications in Biomedicine, Larnaka, Kıbrıs (Gkry), 4 - 07 Kasım 2009, ss.258-259

XLI. A New Wavelet Transform Method for Processing Doppler Signals

Serbes G., Aydin N.

14th National Biomedical Engineering Meeting, İzmir, Türkiye, 20 - 22 Mayıs 2009, ss.120-121

Desteklenen Projeler

GÜNAY O., ERSOY Ş., CANTÜRK İ., SERBES G., Yükseköğretim Kurumları Destekli Proje, Kuzey Anadolu Fay Hattının İstanbulAvcılar Segmenti Civarında Radon Gaz Konsantrasyonları ile Sismik Aktiviteler Arasındaki İlişkinin Yapay Zeka İle Belirlenmesi, 2023 - Devam Ediyor

Günay O., Serbes G., İçhedef M., Cantürk İ., Akkurt İ., Ersoy Ş., Yalçın C., Saç M., Taşköprü C., TÜBİTAK Projesi, Kuzey Anadolu Fay Zonunun İstanbul-Adalar Segmentindeki Anadolu ve Avrasya Levhalarında Radon Gaz Konsantrasyonları ile Sismik Aktiviteler Arasındaki İlişkinin Yapay Zeka ile Modellenmesi, 2023 - 2026

Serbes G., Cansız B., Kilinc C. U., TÜBİTAK Projesi, Ayarlanabilir Q Faktörü Dalgacık Dönüşümü Alt Bant Zaman Frekans Analizi ile EEG İmajiner Motor Kontrol Verilerinin Hibrit Evrişim Katmanlı Makine Öğrenmesi Yöntemi Kullanılarak Sınıflandırılması, 2024 - 2025

Ekşi Altan M., SERBES G., TÜBİTAK Projesi, Derin Öğrenme Tabanlı Yöntemler İle Kişiyeye Özel Kraniyal İmplantlar İçin Tasarım Sürecinin Geliştirilmesi Ve 3boyutlu Yazıcıda Üretimi, 2024 - 2025

İlhan H. O., Serbes G., Türkiye Sağlık Enstitüleri Başkanlığı (TÜSEB) Araştırma Projesi, Cep Telefonu Tabanlı Sperm Hareket Analiz ve Raporlama Sistemi, 2023 - 2025

Serbes G., Kulakoğlu E., Aydoğan Y., Coskun H., TÜBİTAK Projesi, EMG Sinyallerinin Gömülü Mikrokontrolcü Sistemde Yapay Zeka ile Sınıflandırılmasıyla Biyonomik Kol Kontrolü, 2023 - 2024

Serbes G., Şencan Ö. M., Alhajounis A., Bulut B., TÜBİTAK Projesi, Gömülü Sistem ile Bütünleşmiş Yüksek Hassasiyetli ve Yapay Zeka Tabanlı El-Parmak Hareketi Sınıflandırıcısı, 2023 - 2024

Serbes G., İlhan H. O., Aydın N., TÜBİTAK Projesi, Sperm Morfoloji Analizi İçin Derin Öğrenme Tabanlı Bilgisayar Destekli Sistem Tasarımı, 2022 - 2024

Serbes G., Mutlu E., Hüseyin V., TÜBİTAK Projesi, Minik Makine Öğrenmesi Tabanlı Dijital Steteskop Tasarımı, 2022 - 2023

Serbes G., Sakar C. O., TÜBİTAK Projesi, Parkinson Hastalığı Tetkiklerinde Kortikal Motor Ve Algı Sistemi Ölçümlerinin Makine Öğrenmesi Yöntemleri İle Birleştirilmesi, 2016 - 2019

Metrikler

Yayın: 74

Atıf (WoS): 487

Atıf (Scopus): 1270

H-İndeks (WoS): 12

H-İndeks (Scopus): 15

Akademi Dışı Deneyim

Bahçeşehir Üniversitesi, Araştırma Görevlisi