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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Estimation of nonlinear measures of schizophrenia patients' EEG in emotional states**
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- II. **Spectral analysis of photoplethysmographic signals: The importance of preprocessing**
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- III. **Spectral broadening of lower extremity venous Doppler signals using STFT and AR modeling**
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- IV. **Usage of a novel, similarity-based weighting method to diagnose atherosclerosis from carotid artery Doppler signals**
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- V. **Medical diagnosis of atherosclerosis from Carotid Artery Doppler Signals using principal component analysis (PCA), k-NN based weighting pre-processing and Artificial Immune Recognition System (AIRS)**
LATİFOĞLU F., Polat K., Kara S., Guenes S.
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- VI. **The effect of generalized discriminate analysis (GDA) to the classification of optic nerve disease from VEP signals**
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- VII. **A new supervised classification algorithm in artificial immune systems with its application to carotid artery Doppler signals to diagnose atherosclerosis**
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- VIII. **Neural network-based diagnosing for optic nerve disease from visual-evoked potential**
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- IX. **Spectral analysing of portal vein Doppler signals in the cirrhosis patients**
Icer S., Kara S.
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- X. **Classification of macular and optic nerve disease by principal component analysis**
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- XI. **Training a learning vector quantization network using the pattern electroretinography signals**
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COMPUTERS IN BIOLOGY AND MEDICINE, vol.37, no.1, pp.77-82, 2007 (SCI-Expanded)

- XII. **Comparison of multilayer perceptron training algorithms for portal venous doppler signals in the cirrhosis disease**
Icer S., KARA S., Gueven A.
Expert Systems with Applications, vol.31, no.2, pp.406-413, 2006 (SCI-Expanded)
- XIII. **Classification of electro-oculogram signals using artificial neural network**
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EXPERT SYSTEMS WITH APPLICATIONS, vol.31, no.1, pp.199-205, 2006 (SCI-Expanded)
- XIV. **Low-cost compact ECG with graphic LCD and phonocardiogram system design**
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- XV. **Discontinuous Doppler signals simulating respiratory misregistration: Effect on autoregressive frequency spectra**
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- XVI. **Utilization of artificial neural networks and autoregressive modeling in diagnosing mitral valve stenosis**
KARA S., Güven A., OKANDAN M., DİRGENALİ F.
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- XVII. **Comparison of fast Fourier transformation and autoregressive modelling as a diagnostic tool in analysis of lower extremity venous signals**
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- XVIII. **Utilization of artificial neural networks in the diagnosis of optic nerve diseases**
KARA S., Güven A., Oner A.
COMPUTERS IN BIOLOGY AND MEDICINE, vol.36, no.4, pp.428-437, 2006 (SCI-Expanded)
- XIX. **Diagnosis of the macular diseases from pattern electroretinography signals using artificial neural networks**
Güven A., KARA S.
EXPERT SYSTEMS WITH APPLICATIONS, vol.30, no.2, pp.361-366, 2006 (SCI-Expanded)
- XX. **Detection of femoral artery occlusion from spectral density of Doppler signals using the artificial neural network**
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- XXI. **Determination of femoral artery occlusion using principal component analysis of Doppler signals**
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- XXII. **Portable Stimulator Design Aimed at Differentiating Facial Nerves from Normal Tissues**
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Articles Published in Other Journals

- I. **Kayseri İl Merkezindeki Sağlık Ocaklarında Bulunan Tıbbi Cihazların Durumu**
KEMALOĐLU S., KARA S., Őener F.
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- II. **EKG İşaretleri İle Kalp Seslerinin Eşzamanlı Alınması İçin Ölçüm Düzenegi**
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- III. **A Comparison of Model Order Selection Criteria to Reduce Computing Time in Doppler Blood Flow Signal from Mitral and Tricuspid Valves Using AR Modelling**

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Europeon Conference on Circuit Theory and Design, pp.1176-1182, 1995 (Peer-Reviewed Journal)

Books & Book Chapters

I. Elektronik Devre Tasarımında Op Amp ve Lineer Tümdevreler

ALÇI M., KARA S.

Ufuk Kitabevi Yayınları, Kayseri, 2000

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I. Staging of The Liver Fibrosis From Ct Images Using Texture

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II. Hipertansif Retinopati Hastaları için Otomatik Tanı Algoritmasının Gelistirilmesi

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III. Retina Görüntülerinden Damar Merkez Noktalarının Çıkarılması

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IV. Fundus Görüntülerinden Üç Farklı Yöntemle Damarların Çıkarılması

DOĞANAY E., TOKER O., KARA S., GÜVEN A., ÖNER A.

14. Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT'09), İzmir, Turkey, 20 - 24 May 2009, pp.1-4

V. Renkli Fundus Görüntülerinde Optik Disk ve Fovea Bölgelerinin Otomatik Olarak Belirlenmesi

GÜVEN A., ÖNER A., KARA S.

14. Biyomedikal Mühendisliği Ulusal Toplantısı (BİYOMUT'09), İzmir, Turkey, 20 - 24 May 2009, pp.1-4

VI. PERG sinyallerinin analizi ile makuler göz hastalıklarının tespiti

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VII. Görsel uyarıya kortikal yanıt sinyalleri kullanılarak göz hastalıklarının yapay sinir ağları destekli belirlenmesi

GÜVEN A., KARA S., ÖNER A.

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VIII. Fractal analysis of umbilical artery Doppler signals from normal pregnant subject using Hurst exponent

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IX. Spectral analysis of umbilical artery Doppler signals during normal pregnancy using STFT and AR method

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9th International Symposium on Signal Processing and its Applications, Sharjah, United Arab Emirates, 12 - 15 February 2007, pp.704-705

X. A hybrid automated detection system based on least square support vector machine classifier and k-NN based weighted pre-processing for diagnosing of macular disease

Polat K., Kara S., GÜVEN A., Güneş S.

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Aksebzezi B. H., Kara S., ÖZBİLGE H., HIZLISOY H.

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XII. A novel approach to resource allocation mechanism in artificial immune recognition system: Fuzzy resource allocation mechanism and application to diagnosis of atherosclerosis disease

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Metrics

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