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Research Areas

Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Detection of damaged buildings after an earthquake with convolutional neural networks in conjunction with image segmentation**
Unlu R., Kiris R.
VISUAL COMPUTER, vol.38, no.2, pp.685-694, 2022 (SCI-Expanded)
- II. **A reduced variance unsupervised ensemble learning algorithm based on modern portfolio theory**
Unlu R., Xanthopoulos P.
EXPERT SYSTEMS WITH APPLICATIONS, vol.180, 2021 (SCI-Expanded)
- III. **Cost-oriented LSTM methods for possible expansion of control charting signals**
Unlu R.
COMPUTERS & INDUSTRIAL ENGINEERING, vol.154, 2021 (SCI-Expanded)
- IV. **A robust data simulation technique to improve early detection performance of a classifier in control chart pattern recognition systems**
Unlu R.
INFORMATION SCIENCES, vol.548, pp.18-36, 2021 (SCI-Expanded)
- V. **An assessment of machine learning models for slump flow and examining redundant features**
Unlu R.
COMPUTERS AND CONCRETE, vol.25, no.6, pp.565-574, 2020 (SCI-Expanded)
- VI. **Machine Learning and Classical Forecasting Methods Based Decision Support Systems for COVID-19**
Unlu R., NAMLI E.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.64, no.3, pp.1383-1399, 2020 (SCI-Expanded)
- VII. **Estimating the number of clusters in a dataset via consensus clustering**
Unlu R., Xanthopoulos P.
EXPERT SYSTEMS WITH APPLICATIONS, vol.125, pp.33-39, 2019 (SCI-Expanded)
- VIII. **A weighted framework for unsupervised ensemble learning based on internal quality measures**
Unlu R., Xanthopoulos P.
ANNALS OF OPERATIONS RESEARCH, vol.276, no.1-2, pp.229-247, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of Drought and Wet Periods of the Black Sea Region Using SPI Method**

DENİZ ÖZTÜRK Y., ÜNLÜ R.

Doğal Afetler ve Çevre Dergisi, vol.10, no.2, pp.247-262, 2024 (Peer-Reviewed Journal)

II. **Symbolic Aggregate Approximation-Based Clustering of Monthly Natural Gas Consumption**

NALICI M. E., SÖYLEMEZ i., ÜNLÜ R.

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.13, no.1, pp.307-313, 2024 (Peer-Reviewed Journal)

III. **Türkiye’de Yapılan Kuraklık Analiz Çalışmaları Üzerine Bir Derleme**

Öztürk Y. D., Ünlü R.

Afet ve Risk Dergisi, vol.5, no.2, pp.669-680, 2022 (Peer-Reviewed Journal)

IV. **Predicting Stock Prices Using Machine Learning Methods and Deep Learning Algorithms: The Sample of the Istanbul Stock Exchange**

Demirel U., Cam H., Unlu R.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.34, no.1, pp.63-82, 2021 (ESCI)

V. **Verimlilikte Yapay Zeka’nın Rolü: Şarap Kalitesinin Tahminine Yönelik Bir Vaka Çalışması**

Ünlü R.

Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.20, pp.280-286, 2020 (Peer-Reviewed Journal)

VI. **FİYAT TAHMİNLEMESİNDE MAKİNE ÖĞRENME TEKNİKLERİ VE DOĞRUSAL REGRESYON YÖNTEMLERİNİN KIYASLANMASI; TÜRKİYE’DE SATILAN İKİNCİ EL ARAÇ FİYATLARININ TAHMİNLENMESİNE YÖNELİK BİR VAKA ÇALIŞMASI**

Namli E., Ünlü R., Gül E.

SELCUK UNIVERSITY JOURNAL OF ENGINEERING, SCIENCE AND TECHNOLOGY, vol.7, pp.806-821, 2019 (Peer-Reviewed Journal)

VII. **Classification of Historical Anatolian Coins with Machine Learning Algorithms**

Ünlü R.

Alphanumeric Journal, vol.7, no.2, pp.275-288, 2019 (Peer-Reviewed Journal)

VIII. **Zaman Serileri Tahminlenmesinde Makine Öğrenimi ve Derin Öğrenme Tekniklerinin Kıyaslanması: Türkiye Elektrik Üretimi için En İyi Tahmin Modelinin Seçilmesine Yönelik Bir Vaka Çalışması**

Ünlü R.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.7, no.4, pp.806-821, 2019 (Peer-Reviewed Journal)

Metrics

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H-Index (Scopus): 8