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Education Information

Doctorate, Eskisehir Osmangazi University, FEN FAKÜLTESİ, MATEMATİK VE BİLGİSAYAR BİLİMLERİ BÖLÜMÜ, Turkey
2015 - 2019

Postgraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK
MÜHENDİSLİĞİ BÖLÜMÜ, Turkey 2011 - 2015

Undergraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Bilgisayar Mühendisliği Bölümü,
Turkey 2002 - 2007

Undergraduate Double Major, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Elektrik-Elektronik
Mühendisliği Bölümü, Turkey 2002 - 2007

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Computer Sciences, Computer Vision, Artificial Intelligence, Computer Learning and Pattern Recognition, Engineering
and Technology

Academic Titles / Tasks

Expert, Eskisehir Osmangazi University, REKTÖRLÜK, 2007 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Tooth numbering and classification on bitewing radiographs: an artificial intelligence pilot study**
Altındağ A., Bahrilli S., ÇELİK Ö., BAYRAKDAR İ. Ş., ORHAN K.
Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology, vol.137, no.6, pp.679-689, 2024 (SCI-Expanded)
- Artificial intelligence system for automatic maxillary sinus segmentation on cone beam computed tomography images**
BAYRAKDAR İ. Ş., Elfayome N. S., Hussien R. A., Gulsen I. T., KURAN A., Gunes I., Al-Badr A., ÇELİK Ö., ORHAN K.

DENTOMAXILLOFACIAL RADIOLOGY, vol.53, pp.256-266, 2024 (SCI-Expanded)

- III. **Second mesiobuccal canal segmentation with YOLOv5 architecture using cone beam computed tomography images**
DUMAN Ş. B., ÇELİK ÖZEN D., BAYRAKDAR İ. Ş., Baydar O., Alhaija E. S. A., Helvacioğlu Yiğit D., ÇELİK Ö., Jagtap R., Pileggi R., ORHAN K.
Odontology, vol.112, no.2, pp.552-561, 2024 (SCI-Expanded)
- IV. **Prediction of extraction difficulty for impacted maxillary third molars with deep learning approach**
Torul D., Akpınar H., BAYRAKDAR İ. Ş., ÇELİK Ö., ORHAN K.
Journal of Stomatology, Oral and Maxillofacial Surgery, 2024 (SCI-Expanded)
- V. **Predicting mothers' exclusive breastfeeding for the first 6 months: Interface creation study using machine learning technique**
AÇIKGÖZ A., ÇAKIRLI M., Şahin B. M., ÇELİK Ö.
Journal of Evaluation in Clinical Practice, 2024 (SCI-Expanded)
- VI. **An artificial intelligence study: automatic description of anatomic landmarks on panoramic radiographs in the pediatric population**
BAĞ İ., BİLGİR E., BAYRAKDAR İ. Ş., Baydar O., Atak F. M., ÇELİK Ö., ORHAN K.
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- VII. **Deep-Learning-Based Automatic Segmentation of Parotid Gland on Computed Tomography Images**
ÖNDER M., EVLİ C., Türk E., KAZAN O., BAYRAKDAR İ. Ş., ÇELİK Ö., Costa A. L. F., Gomes J. P. P., Ogawa C. M., Jagtap R., et al.
Diagnostics, vol.13, no.4, 2023 (SCI-Expanded)
- VIII. **A deep learning algorithm for classification of oral lichen planus lesions from photographic images: A retrospective study**
KESER G., BAYRAKDAR İ. Ş., Pekiner F. N., ÇELİK Ö., ORHAN K.
Journal of Stomatology, Oral and Maxillofacial Surgery, vol.124, no.1, 2023 (SCI-Expanded)
- IX. **Automated Mesiodens Detection with Deep-Learning-Based System Using Cone-Beam Computed Tomography Images**
Syed A. Z., ÇELİK ÖZEN D., Abdelkarim A. Z., DUMAN Ş. B., BAYRAKDAR İ. Ş., DUMAN S., ÇELİK Ö., ORHAN K.
International Journal of Intelligent Systems, vol.2023, 2023 (SCI-Expanded)
- X. **Detecting the presence of taurodont teeth on panoramic radiographs using a deep learning-based convolutional neural network algorithm**
DUMAN S., Yılmaz E. F., EŞER G., ÇELİK Ö., BAYRAKDAR İ. Ş., BİLGİR E., Costa A. L. F., Jagtap R., ORHAN K.
ORAL RADIOLOGY, vol.39, no.1, pp.207-214, 2023 (SCI-Expanded)
- XI. **Automatic Feature Segmentation in Dental Periapical Radiographs**
ARI T., SAĞLAM H., ÖKSÜZOĞLU H., KAZAN O., BAYRAKDAR İ. Ş., DUMAN Ş. B., ÇELİK Ö., Jagtap R., Futyma-Gąbka K., Różyło-Kalinowska I., et al.
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- XII. **Deep-learning approach for caries detection and segmentation on dental bitewing radiographs**
Bayrakdar İ. Ş., Orhan K., Akarsu S., Çelik Ö., Atasoy S., Pekince A., Yasa Y., Bilgir E., Sağlam H., Aslan A. F., et al.
ORAL RADIOLOGY, vol.38, no.4, pp.468-479, 2022 (SCI-Expanded)
- XIII. **Convolutional Neural Network Performance for Sella Turcica Segmentation and Classification Using CBCT Images**
DUMAN Ş. B., Syed A. Z., ÇELİK ÖZEN D., BAYRAKDAR İ. Ş., Salehi H. S., Abdelkarim A., ÇELİK Ö., EŞER G., ALTUN O., ORHAN K.
DIAGNOSTICS, vol.12, no.9, 2022 (SCI-Expanded)
- XIV. **Diagnostic charting of panoramic radiography using deep-learning artificial intelligence system**
Başaran M., Çelik Ö., Bayrakdar İ. Ş., Bilgir E., Orhan K., Odabaş A., Aslan A. F., Jagtap R.
ORAL RADIOLOGY, vol.38, no.3, pp.363-369, 2022 (SCI-Expanded)
- XV. **Combined clinical and specific positron emission tomography/computed tomography-based radiomic features and machine-learning model in prediction of thymoma risk groups**
ÖZKAN E., ORHAN K., SOYDAL Ç., KAHYA Y., Seckin Tunc S., Celik O., SAK S., KAYI CANGIR A.

Nuclear medicine communications, vol.43, no.5, pp.529-539, 2022 (SCI-Expanded)

- XVI. **Optical properties of Nb2O5 doped ZnO nanocomposite thin film deposited by thermionic vacuum arc**
PAT S., ÇELİK Ö., ODABAŞ A., KORKMAZ Ş.
Optik, vol.258, 2022 (SCI-Expanded)
- XVII. **Evaluation of acute hematological toxicity by machine learning in gynecologic cancers using postoperative radiotherapy.**
Yakar M., Etiz D., Celik Ö., Ozen A.
Indian journal of cancer, vol.59, no.2, pp.178-186, 2022 (SCI-Expanded)
- XVIII. **Performance of a convolutional neural network algorithm for tooth detection and numbering on periapical radiographs**
Görürgöz C., Orhan K., Bayrakdar İ. Ş., Çelik Ö., Bilgir E., Odabaş A., Aslan A. F., Jagtap R.
DENTOMAXILLOFACIAL RADIOLOGY, vol.51, no.3, 2022 (SCI-Expanded)
- XIX. **A U-Net Approach to Apical Lesion Segmentation on Panoramic Radiographs**
Bayrakdar İ. Ş., Orhan K., Çelik Ö., Bilgir E., Sağlam H., Kaplan F. A., Görür S. A., Odabaş A., Aslan A. F., Różyło-Kalinowska I.
BIOMED RESEARCH INTERNATIONAL, vol.2022, 2022 (SCI-Expanded)
- XX. **A DEEP-LEARNING MODEL FOR IDIOPATHIC OSTEOSCLEROSIS DETECTION ON PANORAMIC RADIOGRAPHS**
Yesiltepe S., Bayrakdar İ. Ş., Orhan K., Çelik Ö., Bilgir E., Aslan A. F., Odabaş A., Costa A. L. F., Jagtap R.
MEDICAL PRINCIPLES AND PRACTICE, vol.31, pp.555-561, 2022 (SCI-Expanded)
- XXI. **Application of Machine Learning Techniques for Enuresis Prediction in Children**
Tokar B., Baskaya M., Celik Ö., Çemrek F., Acikgoz A.
EUROPEAN JOURNAL OF PEDIATRIC SURGERY, vol.31, no.05, pp.414-419, 2021 (SCI-Expanded)
- XXII. **Artificial intelligence system for automatic deciduous tooth detection and numbering in panoramic radiographs.**
Kılıc M. C., Bayrakdar İ. Ş., Çelik Ö., Bilgir E., Orhan K., Aydın O. B., Kaplan F. A., Sağlam H., Odabaş A., Aslan A. F., et al.
Dento maxillo facial radiology, vol.50, no.6, pp.20200172, 2021 (SCI-Expanded)
- XXIII. **An artificial intelligence approach to automatic tooth detection and numbering in panoramic radiographs**
Bilgir E., Bayrakdar İ. Ş., Çelik Ö., Orhan K., Akkoca F., Sağlam H., Odabaş A., Aslan A. F., Ozcetin C., Kılılı M., et al.
BMC MEDICAL IMAGING, vol.21, no.1, 2021 (SCI-Expanded)
- XXIV. **An artificial intelligence proposal to automatic teeth detection and numbering in dental bite-wing radiographs**
Yasa Y., Celik Ö., BAYRAKDAR İ. Ş., PEKİNCE A., ORHAN K., Akarsu S., Atasoy S., BİLGİR E., ODABAŞ A., ASLAN A. F.
ACTA ODONTOLOGICA SCANDINAVICA, vol.79, no.4, pp.275-281, 2021 (SCI-Expanded)
- XXV. **A pilot study of a deep learning approach to submerged primary tooth classification and detection.**
Caliskan S., Tuloglu N., Celik Ö., Ozdemir C., Kizilaslan S., Bayrak Ş.
International journal of computerized dentistry, vol.24, no.1, pp.1-9, 2021 (SCI-Expanded)
- XXVI. **Prediction of Radiation Pneumonitis With Machine Learning in Stage III Lung Cancer: A Pilot Study.**
Yakar M. Ç., ETİZ D., METİNTAŞ M., AK G., Celik Ö.
Technology in cancer research & treatment, vol.20, 2021 (SCI-Expanded)
- XXVII. **Detection of impacted teeth using deep learning technique**
ÇELİK Ö.
Comptes Rendus de L'Academie Bulgare des Sciences, vol.74, no.2, pp.269-277, 2021 (SCI-Expanded)
- XXVIII. **Evaluation of Prognosis in Nasopharyngeal Cancer Using Machine Learning**
Akçay M. Ç., ETİZ D., Celik Ö., ÖZEN A.
TECHNOLOGY IN CANCER RESEARCH & TREATMENT, vol.19, 2020 (SCI-Expanded)
- XXIX. **Wear behavior of SiC-reinforced surface composite Al7075-T651 aluminum alloy produced using friction stir processing**
SERT A., ÇELİK Ö.

Articles Published in Other Journals

- I. **DEVELOPMENT OF MOBILE EDUCATIONAL MATERIAL FOR NURSES: A PROCESS IMPROVEMENT STUDY**
ÖZKARAMAN A., KERSU Ö., UZGÖR F., ÇAKIRLI M., ÇELİK Ö., DANACI B., AYDEMİR M.
TURKISH ONLINE JOURNAL OF DISTANCE EDUCATION, vol.25, 2024 (ESCI)
- II. **A Deep Learning Approach to Automatic Tooth Detection and Numbering in Panoramic Radiographs: An Artificial Intelligence Study**
MERTOĞLU D., KESER G., NAMDAR PEKİNER F. M., BAYRAKDAR İ. Ş., ÇELİK Ö., ORHAN K.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.13, no.4, pp.883-888, 2023 (ESCI)
- III. **Detecting Pulp Stones with Automatic Deep Learning in Bitewing Radiographs: A Pilot Study of Artificial Intelligence**
ALTINDAĞ A., Uzun S., BAYRAKDAR İ. Ş., ÇELİK Ö.
European annals of dental sciences (Online), vol.50, no.1, pp.12-16, 2023 (Peer-Reviewed Journal)
- IV. **Response Prediction in Lung SBRT with Artificial Intelligence**
ETİZ D., Yakar M., AK G., KÜTRİ D., ÇELİK Ö., METİNTAŞ M.
Turk Onkoloji Dergisi, vol.38, no.3, pp.288-294, 2023 (ESCI)
- V. **Segmentation of acute pulmonary embolism in computed tomography pulmonary angiography using the deep learning method Derin öğrenme yöntemiyle akut pulmoner embolinin bilgisayarlı tomografik pulmoner anjiografide segmentasyonu**
AYDIN N., CİHAN Ç., ÇELİK Ö., ASLAN A. F., ODABAŞ A., ALATAŞ F., YILDIRIM H.
Tuberkuloz ve Toraks, vol.71, no.2, pp.131-137, 2023 (ESCI)
- VI. **A deep learning approach for masseter muscle segmentation on ultrasonography**
KESER G., BAYRAKDAR İ. Ş., NAMDAR PEKİNER F. M., ÇELİK Ö., ORHAN K.
JOURNAL OF ULTRASONOGRAPHY, vol.22, no.91, 2022 (ESCI)
- VII. **Segmentation of orbital and periorbital lesions detected in orbital magnetic resonance imaging by deep learning method**
AYDIN N., ŞAYLISOY S., Celik O., ASLAN A. F., ODABAŞ A.
Polish Journal of Radiology, vol.87, no.1, 2022 (ESCI)
- VIII. **Derin Öğrenme Yöntemi Kullanılarak Geliştirilen Yapay Zekâ Yöntemi ile Panoramik Radyografilerde Dental Restorasyonların Otomatik Tespiti ve Sınıflandırılması: Metodolojik Çalışmalar**
AŞÇI E., KILIÇ M., ÇELİK Ö., BAYRAKDAR İ. Ş., BİLGİR E., ASLAN A. F., ODABAŞ A., ORHAN K.
Türkiye Klinikleri Diş Hekimliği Bilimleri Dergisi, vol.28, 2022 (Peer-Reviewed Journal)
- IX. **Can the blockchain-enabled interplanetary file system (Block-IPFS) be a solution for securely transferring imaging data for artificial intelligence research in oral and maxillofacial radiology?**
Orhan K., Bayrakdar İ. Ş., Celik Ö., Ayan B., Polat E.
IMAGING SCIENCE IN DENTISTRY, vol.51, no.3, pp.337-339, 2021 (ESCI)
- X. **Diş Hekimliğinde Yapay Zeka**
SAĞLAM H., ARI T., BAYRAKDAR İ. Ş., BİLGİR E., UĞURLU M., ÇELİK Ö., ORHAN K.
Artificial Intelligence In Dentistry, 2021 (Peer-Reviewed Journal)
- XI. **TF-IDF, Word2vec ve Fasttext Vektör Model Yöntemleri ile Türkçe Haber Metinlerinin Sınıflandırılması**
ÇELİK Ö., Koç B. C.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.23, no.67, pp.121-127, 2021 (Peer-Reviewed Journal)
- XII. **Prediction of Response to Neoadjuvant Chemoradiotherapy with Machine Learning in Rectal Cancer: A Pilot Study**
YAKAR M. Ç., ETİZ D., BADAĞ B., ÇELİK Ö., KÜTRİ D., ÖZEN A., YILMAZ E.

- TURK ONKOLOJİ DERGİSİ, vol.36, no.4, pp.459-467, 2021 (ESCI)
- XIII. **Contribution of artificial intelligence applications developed with the deep learning method to the diagnosis of COVID-19 pneumonia on computed tomography**
AYDIN N., Celik O.
TUBERKULOZ VE TORAKS-TUBERCULOSIS AND THORAX, vol.69, no.4, pp.486-491, 2021 (ESCI)
- XIV. **Yeniden Örneklem Teknikleri Kullanarak SMS Verisi Üzerinde Metin Sınıflandırma Çalışması**
ÇELİK Ö., KAPLAN G.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.36, no.3, pp.433-442, 2020 (Peer-Reviewed Journal)
- XV. **Prediction of Survival and Recurrence Patterns by Machine Learning in Gastric Cancer Cases Undergoing Radiation Therapy and Chemotherapy**
AKÇAY M. Ç., ETİZ D., ÇELİK Ö.
ADVANCES IN RADIATION ONCOLOGY, vol.5, no.6, pp.1179-1187, 2020 (ESCI)
- XVI. **Success of artificial intelligence system in determining alveolar bone loss from dental panoramic radiography images**
KURT BAYRAKDAR S., ÇELİK Ö., BAYRAKDAR İ. Ş., ORHAN K., BİLGİR E., ODABAŞ A., ASLAN A. F.
Cumhuriyet Dental Journal, vol.23, no.4, pp.318-324, 2020 (Peer-Reviewed Journal)
- XVII. **Sign2Text: Konvolüsyonel Sinir Ağları Kullanarak Türk İşaret Dili Tanıma**
ÇELİK Ö., ODABAŞ A.
Avrupa Bilim ve Teknoloji Dergisi, no.19, pp.923-934, 2020 (Peer-Reviewed Journal)
- XVIII. **Estimation of renal scarring in children with lower urinary tract dysfunction by utilizing resampling technique and machine learning algorithms**
Çelik Ö., Aslan A. F., Osmanoğlu U. Ö., Çetin N., Tokar B.
Journal of Surgery and Medicine, vol.4, pp.573-577, 2020 (Peer-Reviewed Journal)
- XIX. **SENTIMENT ANALYSIS FROM SOCIAL MEDIA COMMENTS**
ÇELİK Ö., Osmanoğlu U. Ö., Çanakçı B.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.8, no.2, pp.366-374, 2020 (Peer-Reviewed Journal)
- XX. **Gender Prediction from Social Media Comments with Artificial Intelligence**
ÇELİK Ö., ASLAN A. F.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.23, no.6, pp.1256-1264, 2019 (Peer-Reviewed Journal)
- XXI. **Prediction of The Prices of Second-Hand Cars**
ÇELİK Ö., Osmanoğlu U. Ö.
Avrupa Bilim ve Teknoloji Dergisi, no.16, pp.77-83, 2019 (Peer-Reviewed Journal)
- XXII. **Comparing to Techniques Used in Customer Churn Analysis**
ÇELİK Ö., Osmanoğlu U. Ö.
Journal of Multidisciplinary Developments, vol.4, no.1, pp.30-38, 2019 (Peer-Reviewed Journal)
- XXIII. **A Research on Machine Learning Methods and Its Applications**
ÇELİK Ö., ALTUNAYDIN S. S.
Journal of Educational Technology&Online Learning, vol.1, no.3, pp.25-40, 2018 (Peer-Reviewed Journal)
- XXIV. **Tribological behaviours of lubricating oils with CNT and Si3N4nanoparticle additives**
Çöl M., ÇELİK Ö., SERT A.
Archives of Materials Science and Engineering, vol.67, no.2, pp.53-59, 2014 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **MEASUREMENT OF AORTIC ROOT DIAMETER IN COMPARISON WITH EMERGENCY ECHOCARDIOGRAPHY AND COMPUTED TOMOGRAPHY, AND TESTING WITH MACHINE LEARNING**
ŞEVİK Ö. E., ACAR N., ÇELİK Ö., ÇANAKÇI M. E., AY Y., AYDIN N., BİLGİN M.
9th Eurasian Congress of Emergency Medicine, Antalya, Turkey, 9 - 12 November 2023
- II. **Annelerin İlk 6 Ay Sadece Sütü Verme Durumlarının Makine Öğrenimi Tekniği İle Tahminlemesi**
AÇIKGÖZ A., ÇAKIRLI M., MIZRAK ŞAHİN B., ÇELİK Ö.

4. Uluslararası Akdeniz Pediatri Hemşireliği ve 3. Uluslararası 8. Ulusal Pediatri Hemşireliği Kongresi, Erzurum, Turkey, 01 June 2023

- III. **Education Material for Nurses: Application of Smart Telephone**
ÖZKARAMAN A., KERSU Ö., UZGÖR F., ÇAKIRLI M., ÇELİK Ö., Danacı B., AYDEMİR M.
World Congress on Advanced Nursing and Nursing Practice (WCANNP-23), Roma, Italy, 07 April 2023, pp.46
- IV. **The Effect of In -Service Training Structured According To Gagne's Nine Teaching 45 Events on the Knowledge Level of Nurses**
ÖZKARAMAN A., KERSU Ö., UZGÖR F., ÇAKIRLI M., ÇELİK Ö., Danacı B., AYDEMİR M.
World Congress on Advanced Nursing and Nursing Practice (WCANNP-23), Roma, Italy, 07 April 2023, pp.45
- V. **Decision Making with Machine Learning in Emergency Department**
Çanakçı M. E., Çelik Ö., Acar N.
8th Eurasian Congress on Emergency Medicine & 18th Turkish Congress on Emergency Medicine & 17th WINFOCUS World Congress, Antalya, Turkey, 01 December 2022, pp.420-421
- VI. **DETECTION OF PULP STONES WITH AUTOMATIC DEEP LEARNING IN BITEWING RADIOGRAPHS: A PILOT STUDY OF ARTIFICIAL INTELLIGENCE**
Altındağ A., Uzun S., Bayrakdar İ. Ş., Çelik Ö.
4th International Congress of Maxillofacial Radiology Society 'Multidisciplinary Approach to Maxillofacial Imaging', İzmir, Turkey, 19 - 23 October 2022, pp.202-203
- VII. **How to improve the image recognition by a better annotation of a medical image in an artificial intelligence**
TOKAR B., ÇELİK Ö., ÇETİN N., Abbasov T., AK SİVRİKOZ İ.
12th ANNUAL CONGRESS of the EUROPEAN SOCIETY OF PAEDIATRIC ENDOSCOPIC SURGEONS, Barcelona, Spain, 28 September 2022
- VIII. **PREDICTION OF ACUTE HEMATOLOGIC TOXICITY ASSOCIATED WITH RADIOTHERAPY IN RECTUM CANCER WITH ARTIFICIAL INTELLIGENCE**
YAKAR M. Ç., ETİZ D., ÇELİK Ö., KÜTRİ D., ÖZEN A.
11. IGICC, İstanbul, Turkey, 02 December 2021, pp.10-11
- IX. **A deep learning algorithm for classification of oral lichenoid lesions from photographic images: A retrospective study**
KESER G., BAYRAKDAR İ. Ş., NAMDAR PEKİNER F. M., ÇELİK Ö., ORHAN K.
15th Biennial Congress of European Association of Oral Medicine, Porto, Portugal, 24 September 2021
- X. **TEXT CLASSIFICATION STUDY WITH SMS DATA**
ÇELİK Ö., KAPLAN G.
HEZARFEN International Congress of Science, Mathematics and Engineering Sciences, İzmir, Turkey, 08 November 2019
- XI. **GENDER ANALYSIS IN SOCIAL MEDIA USING MACHINE LEARNING TECHNIQUES**
ÇELİK Ö., ASLAN A. F.
International Conference on Advances in Science Technology, Punjab, India, 16 March 2018

Supported Projects

Çelik Ö., Aslan A. F., Bilgir E., Uğurlu M., Bayrakdar İ. Ş., KOSGEB, Yapay Zeka Destekli Otomatik Ortodontik Analiz Yazılımı, 2022 - 2024

Çelik Ö., Büyük K., TUBITAK Project, İmece: Çevrimiçi Zeki Akran Öğrenme Sisteminin Geliştirilmesi, 2020 - 2022

Açıkgöz A., Çakırlı M., Tokar B., Çelik Ö., TUBITAK Project, Enüretik Çocuklar için Geliştirilen Mobil Bir Uygulama, 2020 - 2021

Patent

Mumcu E., Akay C., Kılıçarslan M. A., Eryılmaz M., Çelik Ö., DİŞ HEKİMLİĞİ UYGULAMA EĞİTİMİNDE YAPAY ZEKA ÖĞRETİSİ İLEPREPARASYON ÖLÇME VE DEĞERLENDİRME SİSTEMİ, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2021-GE-525218 , Standard Registration, 2021

Metrics

Publication: 67
Citation (WoS): 185
Citation (Scopus): 333
H-Index (WoS): 7
H-Index (Scopus): 10

Non Academic Experience

Akıllı Çeviri Sistemleri Bilişim Anonim Şirketi
Eskişehir Yazılım Üssü Genç Girişimci Eğitim Merkezi