

Asst. Prof. ÖMER KAYAALTI

Personal Information

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Education Information

Doctorate, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Abd, Turkey 2006 - 2014

Postgraduate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Abd, Turkey 2001 - 2003

Undergraduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Kontrol Ve Bilgisayar Mühendisliği Bölümü, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bilgisayarlı tomografi görüntülerinden tekstür analizi ve sınıflandırma yöntemleri yardımıyla karaciğer fibrozisinin evrelendirilmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Abd, 2014

Postgraduate, Nesne tanıma ve karşılaştırma problemleri için kapalı polinom denklemlerinin ayrıştırılması, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği Abd, 2003

Research Areas

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

Academic Titles / Tasks

Assistant Professor, Kayseri University, Develi Hüseyin Şahin Meslek Yüksekokulu, Bilgisayar Teknolojileri Bölümü, 2018 - Continues

Assistant Professor, Erciyes Üniversitesi, Develi Hüseyin Şahin Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2015 - 2018

Lecturer PhD, Erciyes Üniversitesi, Develi Hüseyin Şahin Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2014 - 2015

Lecturer, Erciyes Üniversitesi, Develi Hüseyin Şahin Meslek Yüksekokulu, Bilgisayar Teknolojileri, 2005 - 2014

Academic and Administrative Experience

Director of Vocational School, Erciyes University, 2015 - 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **A decision support system for the prediction of mortality in patients with acute kidney injury admitted in intensive care unit**
KAYAALTI S., KAYAALTI Ö., AKSEBZECİ B. H.
JOURNAL OF APPLIED BIOMEDICINE, vol.18, no.1, pp.26-32, 2020 (Journal Indexed in SCI)
- II. **Safety of applying midazolam-ketamine-propofol sedation combination under the supervision of endoscopy nurse with patient-controlled analgesia pump in colonoscopy**
KAYAALTI S., KAYAALTI Ö.
WORLD JOURNAL OF CLINICAL CASES, vol.6, no.16, pp.1146-1154, 2018 (Journal Indexed in SCI)
- III. **Can Laws Be a Potential PET Image Texture Analysis Approach for Evaluation of Tumor Heterogeneity and Histopathological Characteristics in NSCLC?**
Karacavus S., YILMAZ B., Tasdemir A., Kayaalti Ö., KAYA E., İÇER S., AYYILDIZ O.
JOURNAL OF DIGITAL IMAGING, vol.31, no.2, pp.210-223, 2018 (Journal Indexed in SCI)
- IV. **Prognostic significance of the texture features determined using three dimensional 18F-FDG PET images: new potential biomarkers**
Karacavus S., YILMAZ B., Kayaalti Ö., Tasdemir A., KAYA E., İÇER S., AYYILDIZ O., Eset K., VARDARELİ E., Asyali M.
JOURNAL OF NUCLEAR MEDICINE, vol.57, 2016 (Journal Indexed in SCI)
- V. **Liver fibrosis staging using CT image texture analysis and soft computing**
Kayaalti O., AKSEBZECİ B. H. , Karahan I. O. , DENİZ K., Ozturk M., YILMAZ B., Kara S., Asyali M. H.
APPLIED SOFT COMPUTING, vol.25, pp.399-413, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Effect of treatment applied in sepsis on intensive care unit and hospital stay: how effective are albumin/steroid/vasopressor agents?**
Kayaalti S., KAYAALTI Ö.
AIN SHAMS JOURNAL OF ANESTHESIOLOGY, vol.13, no.1, 2021 (Journal Indexed in ESCI)
- II. **Risk factors affecting the length of intensive care unit stay after brain tumor surgery**
KAYAALTI S., KAYAALTI Ö.
INDIAN ANAESTHETISTS FORUM, vol.20, no.2, pp.61-69, 2019 (Journal Indexed in ESCI)
- III. **Comparison of ketamine-midazolam-propofol combination and fentanyl-midazolam-propofol combination for sedation in colonoscopy**
KAYAALTI S., Kayaalti Ö.
Eastern Journal of Medicine, vol.24, no.2, pp.155-162, 2019 (Refereed Journals of Other Institutions)
- IV. **Relationship Between Neutrophil Gelatinase-associated Lipocalin and Mortality in Acute Kidney Injury**
KAYAALTI S., Kayaalti Ö., AKSEBZECİ B. H.
TURKISH JOURNAL OF INTENSIVE CARE-TURK YOGUN BAKIM DERGISI, vol.16, no.3, pp.101-108, 2018 (Journal Indexed in ESCI)
- V. **Related-Point Ratio Invariants of a Sixth Degree Algebraic Curve**
KAYAALTI Ö., ÜNEL M.
Journal of Naval Science and Engineering, vol.1, no.1, pp.15-36, 2003 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Computer-Aided Classification of Breast Cancer Histopathological Images**
AKSEBZECİ B. H. , Kayaalti Ö.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
- II. **Comparison of First Order Statistical and Autoregressive Model Features for Activity Prediction**
Kayaalti Ö., Asyali M. H.
Signal Processing Symposium (SPSymo), Debe Village, Poland, 10 - 12 June 2015
- III. **Comparison of Lung Tumor Segmentation Methods on PET Images**
Eset K., İÇER S., Karacavus S., YILMAZ B., Kayaalti Ö., Ayyildiz O., Kaya E.
Medical Technologies National Conference (TIPTEKNO), Bodrum, Turkey, 15 - 18 October 2015
- IV. **Registration and Fusion of Lung Tumor PET/CT Images**
Ayyildiz O., YILMAZ B., Karacavus S., Kayaalti Ö., İÇER S., Eset K., Kaya E.
Medical Technologies National Conference (TIPTEKNO), Bodrum, Turkey, 15 - 18 October 2015
- V. **Assessment of relationship between texture analysis parameters obtained from 18-F FDG-PET/CT images and tumor metabolism and histopathological findings in non-small cell lung cancer**
KARÇAVUŞ S., YILMAZ B., TAŞDEMİR A., KAYAALTI Ö., KAYA E., İÇER S., AYYILDIZ O., VARDERELİ E., ASYALI M. H.
27th Annual Congress of the European Association of Nuclear Medicine, Gothenburg, Sweden, 18 October 2014, pp.1
- VI. **Usefulness of ultrasonographic texture features in discriminating metastatic from benign lymph nodes**
KAYAALTI Ö., KARÇAVUŞ S., YILMAZ B., ŞENGEZER T., ILGAN S., ASYALI M. H.
8th International Conference on Bioinformatics and Biomedical Engineering ICBBE 2014, Shangai, China, 20 September 2014, pp.1-4
- VII. **Staging of The Liver Fibrosis From Ct Images Using Texture**
KAYAALTI Ö., AKSEBZECİ B. H. , KARAHAN Ö. I. , DENİZ K., ÖZTÜRK M., YILMAZ B., KARA S., ASYALI M. H.
Health Informatics and Bioinformatics (HIBIT), 2012 7th International Symposium on, Nevşehir, Turkey, 19 April 2012, pp.47-52

Supported Projects

KAYAALTI Ö., TUBITAK Project, Pozitron Emisyon Tomografisi Görüntülerinden Doku Analizi Yöntemiyle Elde Edilen Parametrelerin Tümör Metabolizması ve Evresiyle İlişkisinin İncelenmesi, 2013 - Continues

Citations

Total Citations (WOS):32

h-index (WOS):4