

Personal Information

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Education Information

Doctorate, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, Turkey
2004 - 2009

Post Graduate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2001 - 2004

Under Graduate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 1997 - 2001

Dissertations

Doctorate, Küme Merkezlerinin Belirlenmesinde Yeni bir Yöntem (IFART), Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü,
Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, 2009

Post Graduate, Bulanık Mantık Temelli Akıllı Bir Sorgulama Aracı, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar
Mühendisliği Bölümü, 2004

Research Areas

Knowledge Engineering, Computer Learning, Fuzzy Sets and Systems, Natural Language Processing, Text/Document
Processing, Pattern Recognition and Image Processing, Neural Networks

Academic Titles / Tasks

Assistant Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2010 - 2018

Lecturer, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2010

Research Assistant, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2001 - 2004

Professional Experience

Deputy Head of Department, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2014 -
Continues

Head of Department, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2011 - 2014

Deputy Head of Department, Kocaeli Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2010 - 2012

Courses

Veri Madenciliğine Giriş, Under Graduate, 2016 - 2017, 2017 - 2018

Makine Öğrenmesi, Post Graduate, 2016 - 2017, 2017 - 2018

İşletim Sistemleri, Under Graduate, 2016 - 2017, 2017 - 2018

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

- Concept-LDA: Incorporating BabelFy into LDA for aspect extraction

Ekinci E., İLHAN OMURCA S.

Journal of Information Science, 2019 (Journal Indexed in SCI Expanded)

- **A New Approach for A Domain-Independent Turkish Sentiment Seed Lexicon Compilation**
EKİNCİ E., İLHAN OMURCA S.
INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, no.9, 2018 (Journal Indexed in SCI Expanded)
- **Extended Feature Spaces Based Classifier Ensembles for Sentiment Analysis of Short Texts**
Kilimci Z. H. , Omurca S.
INFORMATION TECHNOLOGY AND CONTROL, vol.47, pp.457-470, 2018 (Journal Indexed in SCI)
- **A comparative study of production-inventory model for determining effective production quantity and safety stock level**
Keskin G. A. , Omurca S., Aydin N., Ekinci E.
APPLIED MATHEMATICAL MODELLING, vol.39, pp.6359-6374, 2015 (Journal Indexed in SCI)
- **A Variant Perspective to Performance Appraisal System Fuzzy C Means Algorithm**
ÖZKAN C., AYDIN KESKİN G., İLHAN OMURCA S.
International Journal Of Industrial Engineering-Theory Applications And Practice, vol.21, pp.168-178, 2014 (Journal Indexed in SCI Expanded)
- **An intelligent supplier evaluation, selection and development system**
Omurca S.
APPLIED SOFT COMPUTING, vol.13, pp.690-697, 2013 (Journal Indexed in SCI)
- **Improved Fuzzy Art Method for Initializing K-means**
İlhan S., DURU N., Adali E.
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, vol.3, pp.274-279, 2010 (Journal Indexed in SCI)
- **The Fuzzy ART algorithm A categorization method for supplier evaluation and selection**
AYDIN KESKİN G., İLHAN OMURCA S., ÖZKAN C.
Expert Systems With Applications, vol.37, pp.1235-1240, 2010 (Journal Indexed in SCI Expanded)
- **A comparative study for crisp and fuzzy query by a software tool**
İlhan S., Duru N.
SOFT COMPUTING, vol.11, pp.141-147, 2007 (Journal Indexed in SCI)
- **Fuzzy logic based intelligent tool for databases**
İlhan S., Duru N.
KNOWLEDGE-BASED INTELLIGENT INFORMATION AND ENGINEERING SYSTEMS, PT 2, PROCEEDINGS, vol.3682, pp.386-392, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- **An Aspect-Sentiment Pair Extraction Approach Based on Latent Dirichlet Allocation**
EKİNCİ E., İLHAN OMURCA S.
International Journal of Intelligent Systems and Applications in Engineering, vol.3, pp.209-213, 2018
- **An Ensemble Model using a BabelNet Enriched Document Space for Twitter Sentiment Classification**
SEVİM S., İLHAN OMURCA S., EKİNCİ E.
International Journal of Information Technology and Computer Science, vol.10, pp.24-31, 2018
- **Ürün Özelliklerinin Konu Modelleme Yöntemi ile Çıkarılması**
EKİNCİ E., İLHAN OMURCA S.
Türkiye Bilişim Vakfı Bilgisayar Bilimleri ve Mühendisliği Dergisi, vol.9, pp.51-58, 2017
- **Design and Implementation of an Intelligent Mobile Game**
EKİNCİ E., KAYA F., İLHAN OMURCA S.
International Journal of Modern Education and Computer Science, vol.9, pp.10-16, 2017 (Refereed Journals of Other Institutions)
- **Multi-word Aspect Term Extraction Using Turkish User Reviews**
EKİNCİ E., TÜRKMEN H., İLHAN OMURCA S.
International Journal of Computer Engineering and Information Technology, vol.9, pp.15-23, 2017

- **An Aspect Based Sentiment Analysis on Turkish Hotel Reviews**
TÜRKMEN H., İLHAN OMURCA S., EKİNCİ E.
Girne American University Journal of Social and Applied Sciences, vol.6, pp.12-15, 2016
- **An Efficient Document Categorization Approach for Turkish Based Texts**
İLHAN OMURCA S., Baş S., EKİNCİ E.
INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING, vol.3, pp.7-13, 2015 (International Refereed University Journal)

Book & Book Chapters

- **in: Lecture Notes in Artificial Intelligence**
TÜRKMEN H., EKİNCİ E., İLHAN OMURCA S.
A Novel Method for Extracting Feature Opinion Pairs for Turkish, Dichev Christo, Agre Gennady, Editor, Springer International Publishing Switzerland, pp.162-171, 2016

Refereed Congress / Symposium Publications in Proceedings

- **Improving Parkinson's Disease Diagnosis with Machine Learning Methods**
Celik E., Omurca S.
International Scientific Meeting on Electrical-Electronics and Biomedical Engineering and Computer Science (EBBT), İstanbul, Turkey, 24 - 26 Nisan 2019
- **Babely-Based Extraction of Collocations from Turkish Hotel Reviews**
EKİNCİ E., İLHAN OMURCA S.
International Conference on Artificial Intelligence and Data Processing (IDAP 2018), Malatya, Turkey, 28 - 30 September 2018
- **A Comparative Study on Machine Learning Techniques Using Titanic Dataset**
EKİNCİ E., İLHAN OMURCA S., ACUN N.
7th International Conference on Advanced Technologies, Antalya, Turkey, 28 April - 01 May 2018
- **Using Adjusted Laplace Smoothing to Extract Implicit Aspects from Turkish Hotel Reviews**
Omurca S., Ekinci E.
IEEE (SMC) International Conference on Innovations in Intelligent Systems and Applications (INISTA), Thessaloniki, Greece, 3 - 05 Temmuz 2018
- **Determining Multi Word Aspects by Using Apriori Algorithm and Syntactic Rules for Turkish Hotel Reviews**
EKİNCİ E., TÜRKMEN H., İLHAN OMURCA S.
8th Language Technology Conference: Human Language Technologies as a Challenge for Computer Science and Linguistics, Poznan, Poland, 17 - 19 November 2017
- **Extracting Implicit Aspects based on Latent Dirichlet Allocation**
EKİNCİ E., İLHAN OMURCA S.
9th International Conference on Agents and Artificial Intelligence, Porto, Portugal, 24 - 26 February 2017
- **Product Aspect Detection in Customer Complaints by Using Latent Dirichlet Allocation**
ATICI B., Omurca S., Ekinci E.
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 Ekim 2017, pp.250-254
- **An Annotated Corpus for Turkish Sentiment Analysis at Sentence Level**
Omurca S., Ekinci E., Turkmen H.
2017 International Artificial Intelligence and Data Processing Symposium (IDAP), Malatya, Turkey, 16 - 17 Eylül 2017
- **The Evaluation of Heterogeneous Classifier Ensembles for Turkish Texts**
Kilimci Z. H. , Akyokus S., Omurca S.
IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Gdynia, Poland, 3 - 05 Temmuz 2017, pp.307-311

- **Success Key in Software Projects Effort Estimation**
bilgin b., DURU N., İLHAN OMURCA S.
UBMK 2016, 20 - 23 Ekim 2016
- **Multi word Aspect Extraction from User Reviews**
EKİNCİ E., TÜRKMEN H., İLHAN OMURCA S.
6th WORLD CONFERENCE on INNOVATION and COMPUTER SCIENCE (INSODE-2016), Antalya, Turkey, 12 - 14 May 2016
- **The Effectiveness of Homogenous Ensemble Classifiers for Turkish and English Texts**
Kilimci Z. H. , Akyokus S., Omurca S.
International Symposium on Innovations in Intelligent Systems and Applications (INISTA), Sinaia, Romania, 2 - 05 Ağustos 2016
- **A Novel Method for Extracting Feature Opinion Pairs for Turkish**
Turkmen H., Ekinci E., Omurca S.
17th International Conference on Artificial Intelligence - Methodology, Systems and Applications (AIMSA), Varna, Bulgaria, 7 - 10 Eylül 2016, vol.9883, pp.162-171
- **An Alternative Evaluation of Post Traumatic Stress Disorder with Machine Learning Methods**
Omurca S., Ekinci E.
International Symposium on Innovations in Intelligent Systems and Applications (INISTA 2015), Madrid, Spain, 2 - 04 Eylül 2015, pp.231-237
- **An Improved Method for Fuzzy Clustering**
Ilhan S., DURU N.
5th International Conference on Soft Computing, Computing with Words and Perceptions in System Analysis, Decision and Control, Famagusta, CYPRUS, 2 - 04 Eylül 2009, pp.188-191
- **Birliktelik Kurallarının Yapay Sinir Ağı Eğitiminde Kullanılması**
ŞAHİN S., İLHAN OMURCA S., AKTAŞ K.
Bilimde Modern Yöntemler Sempozyumu, Turkey, 01 Haziran 2005, pp.972-979

Supported Projects

İlhan Omurca S., Ekinci E., Türkmen H., TÜBİTAK Project, Ürünlerin Zayıf Özelliklerinin Türkçe Kullanıcı Yorumlarından Özellik Tabanlı Sentiment Analizi ile Kesfedilmesi, 2015 - 2018

İLHAN OMURCA S., Project Supported by Higher Education Institutions, Etkin Üretim Miktarı ve Emniyet Stoğu Seviyesinin Belirlenmesinde Kullanılacak Yeni Bir Yöntem, 2011 - 2013

Citations

Total Citations (WOS):169

h-index (WOS):4