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Kişisel Bilgiler

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Yoksis Araştırmacı ID: 180521

Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Makina, Endüstri Mühendisliği, Türkiye 2010 - 2014

Lisans, Yıldız Teknik Üniversitesi, Makina, Endüstri Mühendisliği, Türkiye 2004 - 2008

Yabancı Diller

İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

İş Sağlığı ve Güvenliği, İş Güvenliği Uzmanlığı, Çalışma ve Sosyal Güvenlik Bakanlığı, 2014

Yaptığı Tezler

Doktora, Türkiye enerji planlaması için çok ölçütlü bir model önerisi A multiple-criteria model suggestion for Turkey energy planning, Yıldız Teknik Üniversitesi, Endüstri Mühendisliği, Endüstri Mühendisliği, 2014

Yüksek Lisans, Genetik algoritma ile hat dengeleme / Line balancing with genetical algorithms, Yıldız Teknik Üniversitesi, Endüstri Mühendisliği, 2010

Araştırma Alanları

Endüstri Mühendisliği, Eniyileme Kuramı ve Yöntemleri, Doğrusal Programlama, Çok Kriterli Karar Verme, Tedarik Zinciri ve Lojistik Yönetimi

Akademik Unvanlar / Görevler

Doç. Dr., İstanbul Üniversitesi, Ulaştırma ve Lojistik Fakültesi, Ulaştırma ve Lojistik Bölümü, 2021 - Devam Ediyor

Dr. Öğr. Üyesi, İstanbul Üniversitesi, Ulaştırma ve Lojistik Fakültesi, Ulaştırma ve Lojistik Bölümü, 2018 - 2021

Yrd. Doç. Dr., İstanbul Üniversitesi, Ulaştırma ve Lojistik Fakültesi, Ulaştırma ve Lojistik Bölümü, 2016 - 2018
Araştırma Görevlisi Dr., Yalova Üniversitesi, Mühendislik Fakültesi, Endüstri Mühendisliği, 2014 - 2016
Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Makina, Endüstri Mühendisliği, 2011 - 2014

Verdiği Dersler

Proje Yönetimi, Yüksek Lisans, 2017 - 2018
Tedarik Zinciri Yönetimi, Yüksek Lisans, 2017 - 2018
Rotalama ve Çizelgeleme Optimizasyonu, Yüksek Lisans, 2016 - 2017
Yöneylem Araştırması, Yüksek Lisans, 2016 - 2017
Tedarik Zinciri Yönetimi, Lisans, 2017 - 2018
Proje Yönetimi, Lisans, 2016 - 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **An integrated interval type-2 fuzzy BWM-MARCOS model for location selection of e-scooter sharing stations: The case of a university campus**
ALTAY B. C., ÇELİK E., OKUMUŞ A., BALIN A., GÜL M.
Engineering Applications of Artificial Intelligence, cilt.122, 2023 (SCI-Expanded)
- II. **Bibliometric Review of Route Optimization in Maritime Transportation: Environmental Sustainability and Operational Efficiency**
Mollaoglu M., Altay B. C., BALIN A.
TRANSPORTATION RESEARCH RECORD, sa.6, ss.879-890, 2023 (SCI-Expanded)
- III. **Evaluation of various fuel alternatives in terms of sustainability for the ship investment decision using single valued neutrosophic numbers with TOPSIS methods**
Mollaoglu M., BUCAK U., Demirel H., Balin A.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, cilt.237, sa.1, ss.215-226, 2023 (SCI-Expanded)
- IV. **A Study Using the Hybrid Fuzzy AHP & TOPSIS Method in the Conversion of a LEED-Certified Education Building into a Nearly Zero-Energy Building in a Cold Climate**
Celik A., Şahin B., MANAY E., BALIN A.
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, sa.5-6, ss.208-223, 2023 (SCI-Expanded)
- V. **A real case study on the selection of suitable roll stabilizer type for motor yachts using hybrid fuzzy AHP and VIKOR methodology**
Demirel H., ŞENER B., YILDIZ B., BALIN A.
Ocean Engineering, cilt.217, 2020 (SCI-Expanded)
- VI. **A New TOPSIS Methodology Based on Single-Valued Neutrosophic Numbers for Selection of Suitable Roll Stabilizer Type for Motor Yachts**
ŞENER B., Balin A., YILDIZ B., DEMİREL H.
JOURNAL OF SHIP PRODUCTION AND DESIGN, cilt.36, sa.4, ss.250-258, 2020 (SCI-Expanded)
- VII. **A novel fuzzy multi-criteria decision-making methodology based upon the spherical fuzzy sets with a real case study**
BALIN A.
IRANIAN JOURNAL OF FUZZY SYSTEMS, cilt.17, sa.4, ss.167-177, 2020 (SCI-Expanded)
- VIII. **Application of fuzzy VIKOR method for the evaluation and selection of a suitable tugboat**
Balin A., ŞENER B., DEMİREL H.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART M-JOURNAL OF ENGINEERING FOR THE MARITIME ENVIRONMENT, 2019 (SCI-Expanded)
- IX. **AN INTEGRATED FUZZY MCDM MODEL FOR EVALUATION AND SELECTION OF A SUITABLE TUGBOAT**

- Balin A., Sener B., Demirel H.
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, cilt.161, 2019 (SCI-Expanded)
- X. **APPLYING A FUZZY-AHP FOR THE SELECTION OF A SUITABLE TUGBOAT BASED ON PROPULSION SYSTEM TYPE**
Cakiroglu G., ŞENER B., Balin A.
BRODOGRADNJA, cilt.69, sa.4, ss.1-13, 2018 (SCI-Expanded)
- XI. **A FUZZY AHP AND ELECTRE METHOD FOR SELECTING STABILIZING DEVICE IN SHIP INDUSTRY**
DEMİREL H., Balin A., ÇELİK E., ALARÇİN F.
BRODOGRADNJA, cilt.69, sa.3, ss.61-77, 2018 (SCI-Expanded)
- XII. **A fuzzy dematel model proposal for the cause and effect of the fault occurring in the auxiliary systems of the ships' main engine**
BALIN A., Demirel H., CELIK E., ALARÇİN F.
Transactions of the Royal Institution of Naval Architects Part A: International Journal of Maritime Engineering, cilt.160, ss.141-153, 2018 (SCI-Expanded)
- XIII. **A FUZZY MULTI-CRITERIA DECISION MAKING METHODOLOGY BASED UPON THE INTERVAL TYPE-2 FUZZY SETS FOR EVALUATING RENEWABLE ENERGY ALTERNATIVES IN TURKEY**
Balin A., BARAÇLI H.
TECHNOLOGICAL AND ECONOMIC DEVELOPMENT OF ECONOMY, cilt.23, sa.5, ss.742-763, 2017 (SSCI)
- XIV. **AN EVALUATION APPROACH FOR ELIMINATING THE FAILURE EFFECT IN GAS TURBINE USING FUZZY MULTIPLE CRITERIA**
Balin A., DEMİREL H. H., ALARÇİN F.
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, cilt.158, 2016 (SCI-Expanded)
- XV. **A novel hybrid MCDM model based on fuzzy AHP and fuzzy TOPSIS for the most affected gas turbine component selection by the failures**
Balin A., Demirel H., ALARÇİN F.
JOURNAL OF MARINE ENGINEERING AND TECHNOLOGY, cilt.15, sa.2, ss.69-78, 2016 (SCI-Expanded)
- XVI. **APPLICATION OF FUZZY ANALYTIC HIERARCHY PROSES FOR ERROR DETECTION OF AUXILIARY SYSTEMS OF SHIP MAIN DIESEL ENGINES**
DEMİREL H. H., ÜNLÜGENÇOĞLU K., ALARÇİN F., Balin A.
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, cilt.157, ss.105-111, 2015 (SCI-Expanded)
- XVII. **A HIERARCHICAL STRUCTURE FOR SHIP DIESEL ENGINE TROUBLE-SHOOTING PROBLEM USING FUZZY AHP AND FUZZY VIKOR HYBRID METHODS**
Balin A., Demirel H., ALARÇİN F.
BRODOGRADNJA, cilt.66, sa.1, ss.54-65, 2015 (SCI-Expanded)
- XVIII. **Modeling Potential Future Energy Demand for Turkey in 2034 by Using an Integrated Fuzzy Methodology**
Balin A., BARAÇLI H.
JOURNAL OF TESTING AND EVALUATION, cilt.42, sa.6, ss.1466-1478, 2014 (SCI-Expanded)
- XIX. **Fuzzy AHP and Fuzzy TOPSIS integrated hybrid method for auxiliary systems of ship main engines**
ALARÇİN F., Balin A., Demirel H.
JOURNAL OF MARINE ENGINEERING AND TECHNOLOGY, cilt.13, sa.1, ss.3-11, 2014 (SCI-Expanded)
- XX. **Fuzzy multicriteria selection among cogeneration systems: A real case application**
Alcan P., Balin A., BAŞLIGİL H.
ENERGY AND BUILDINGS, cilt.67, ss.624-634, 2013 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **An Overview of Air Traffic and Effective Air Traffic Control Strategies for Istanbul Airport**
Demirhan İ., Balın A., Okumuş A.
Journal of Transportation and Logistics, cilt.6, sa.1, ss.107-124, 2021 (Hakemli Dergi)

- II. **Analysis of Strategies to Reduce Air Pollution from Vessels: A Case for the Strait of Istanbul**
BUCAK U., Arslan T., DEMİREL H., Balın A.
JOURNAL OF ETA MARITIME SCIENCE, cilt.9, sa.1, ss.22-30, 2021 (ESCI)
- III. **A Multi-Criteria Decision-Making Method Based upon Type-2 IntervalFuzzy Sets for Auxiliary Systems of a Ship's Main Diesel Engine**
Balın A.
International Journal of Intelligent Systems and Applications in Engineering, cilt.5, sa.2, ss.44-51, 2017 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **A Multi-Criteria Decision-Making Methodology Suggestion for Turkey Energy Planning Based Type-2 Fuzzy Sets**
Balın A., Baraçlı H.
Decision Making, Fausto Pedro García Márquez,Alberto Pliego Marugán,Mayorkinos Papaalias, Editör, Books on Demand , London, ss.5-16, 2018
- II. **PERFORMANCE COMPARISON OF CCHP SYSTEMS USING DIFFERENT FUZZY MULTI CRITERIADECISION MAKING MODELSFOR ENERGY SOURCES**
Balın A., Alcan P., Başlıgil H.
Fuelling the Future Advances in Science and Technologies for Energy Generation Transmission and Storage, A. Mendez-Vilas, Editör, Brown Walker Press, Florida, ss.591-596, 2012

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Short-term electricity demand forecasting by using a MATLAB-based ANFIS model**
Balın A., SERT M., BESİRLİ İ.
International Conference on Advances in Energy and Environment Research, ICAEER 2016, Guangzhou, Çin, 12 - 14 Ağustos 2016, ss.23-26
- II. **Energy alternatives evaluation in Turkey by using multicriteria decision making methodologies**
Alcan P., Odabasi D., Balın A.
Uncertainty Modelling in Knowledge Engineering and Decision Making - 12th International Fuzzy Logic and Intelligent Technologies in Nuclear Science Conference, FLINS 2016, Roubaix, Fransa, 24 - 26 Ağustos 2016, ss.627-631
- III. **THE APPLICATIONS OF ENERGY ALTERNATIVES IN TURKEY USING MULTICRITERIA DECISION MAKING PROCESSES**
Balın A., Alcan P., BAŞLIGİL H.
10th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science (FLINS), İstanbul, Türkiye, 26 - 29 Ağustos 2012, cilt.7, ss.124-130

Metrikler

Yayın: 28

Atıf (WoS): 84

Atıf (Scopus): 122

H-İndeks (WoS): 5

H-İndeks (Scopus): 6

Akademi Dışı Deneyim

TÜBİTAK

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Şitoğlu Pazarlama

Ticari Kuruluş Özel, Sitoglu

Şitoğlu Gıda