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Education

Doctorate, Dokuz Eylul University, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği Bölümü, Turkey 2018 - Continues

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Sistemleri Mühendisliği (YI) (Tezli), Turkey 2016 - 2018

Undergraduate, Istanbul Technical University, Denizcilik Fakültesi, Gemi Makineleri İşletme Mühendisliği Bölümü, Turkey 2009 - 2014

Dissertations

Postgraduate, Kimyasal tankerlerde enerji verimliliği için santrifüj pompalar üzerinde bir optimizasyon araştırması, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Sistemleri Mühendisliği (YI) (Tezli), 2018

Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition, Energy, Ship Machines

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Evaluating Ammonia as a Marine Fuel: Review and Illustration**
Bayraktar M., Sokukcu M., PAMIK M., Yuksel O.
Environmental Modeling and Assessment, 2025 (SCI-Expanded)
- II. **Comparative study of machine learning techniques to predict fuel consumption of a marine diesel engine**
Yuksel O., Bayraktar M., Sokukcu M.
Ocean Engineering, vol.286, 2023 (SCI-Expanded)
- III. **A SWOT-AHP analysis on biodiesel as an alternative future marine fuel**
Bayraktar M., PAMIK M., Sokukcu M., Yuksel O.
Clean Technologies and Environmental Policy, vol.25, no.7, pp.2233-2248, 2023 (SCI-Expanded)
- IV. **Numerical simulation of the hybrid ship power distribution system and an analysis of its emission reduction potential**
YÜKSEL O., KÖSEOĞLU B.
SHIPS AND OFFSHORE STRUCTURES, no.1, pp.78-94, 2023 (SCI-Expanded)
- V. **Thermal design and analysis of an organic rankine cycle system utilizing the main engine and cargo**

oil pump turbine based waste heats in a large tanker ship

Konur O., Yüksel O., Korkmaz S. A., Çolpan C. Ö., Saatçioğlu Ö. Y., Muslu I.

JOURNAL OF CLEANER PRODUCTION, vol.368, 2022 (SCI-Expanded)

- VI. **Determination of the Ship Engine Room Pipeline Failure Risk Rating with Fuzzy-Bayesian Network**
Yüksel O., Şakar C., Göksu B.
Naval Engineers Journal, no.133, pp.139-156, 2021 (SCI-Expanded)
- VII. **Modelling and performance prediction of a centrifugal cargo pump on a chemical tanker**
Yüksel O., Köseoğlu B.
JOURNAL OF MARINE ENGINEERING AND TECHNOLOGY, vol.19, no.4, pp.278-290, 2020 (SCI-Expanded)
- VIII. **Performance assessment of a marine freshwater generator through exergetic optimization**
Yüksel O., Gulmez Y., Konur O., Korkmaz S. A., Erdogan A., Çolpan C. Ö.
JOURNAL OF CLEANER PRODUCTION, vol.219, pp.326-335, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Environmental Impacts of Organic Rankine Cycle System Utilization on Cruise and Ro-Ro Ships in Port Areas**
Konur O., Yüksel O., Korkmaz S. A.
Deniz Taşımacılığı ve Lojistiği Dergisi, vol.3, no.2, pp.90-97, 2022 (Peer-Reviewed Journal)
- II. **Regression Modelling Estimation of Marine Diesel Generator Fuel Consumption and Emissions**
Yüksel O., Köseoğlu B.
Transactions on Maritime Science, vol.11, no.1, pp.1-16, 2022 (Scopus)
- III. **Örnek Bir Marina Sahasında Yatlardan Kaynaklı Ortalama Salım Miktarlarının Hesaplanması**
Yüksel O., Korkmaz S. A., Konur O.
Deniz Taşımacılığı ve Lojistiği Dergisi, vol.3, no.1, pp.1-7, 2022 (Peer-Reviewed Journal)
- IV. **Ship Engine Room Casualty Analysis by Using Decision Tree Method**
Saatçioğlu Ö. Y., Göksu B., Yüksel O., Gülmez Y.
Journal of Eta Maritime Science (JEMS) , vol.5, no.1, pp.59-68, 2017 (ESCI)

Books

- I. **Thermodynamic Modeling of a Seawater-Cooled Foldable PV Panel System**
KONUR O., KORKMAZ S. A., YÜKSEL O., GÜLMEZ Y., ERDOĞAN A., ERGİNER K. E., ÇOLPAN C. Ö.
in: Environmentally-Benign Energy Solutions, , Editor, Springer Nature Switzerland AG 2020, pp.259-272, 2019

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Environmental Analysis of Fuel Cell-Battery Hybrid System for an Oil/Chemical Tanker Ship**
Korkmaz S. A., Erginer K. E., Yüksel O., Konur O., Çolpan C. Ö.
6th International Hydrogen Technologies Congress (IHTEC 2022), Çanakkale, Turkey, 23 - 26 June 2022, pp.371-375, (Full Text)
- II. **Economic Evaluation of a Marine Ammonia Engine-Based Propulsion System Using Ammonia Cracking Catalyst**
KONUR O., YÜKSEL O., KORKMAZ S. A., ÇOLPAN C. Ö.
6th International Hydrogen Technologies Congress (IHTEC 2022), Çanakkale, Turkey, 23 - 26 January 2022, pp.172-175, (Full Text)
- III. **MATHEMATICAL MODELING AND TIME SERIES ANALYSIS OF SHIP ELECTRICITY GENERATION PLANT CO2 EMISSIONS**

YÜKSEL O., KÖSEOĞLU B.

III. ULUSLARASI ŞEHİR, ÇEVRE VE SAĞLIK KONGRESİ, Ankara, Turkey, 16 April 2021, pp.463-473, (Full Text)

- IV. **Thermodynamic Modeling of a Seawater-Cooled Foldable PV Panel System**
Konur O., Korkmaz S. A., Yüksel O., Gulmez Y., Erdogan A., Erginer K. E., Çolpan C. Ö.
7th Global Conference on Global Warming (GCGW), İzmir, Turkey, 24 - 28 June 2018, pp.259-272, (Full Text)
- V. **THERMODYNAMIC MODELLING OF A SEAWATER COOLED FOLDABLE PV PANEL SYSTEM**
Konur O., Korkmaz S. A., Yüksel O., Gülmez Y., Erdoğan A., Erginer K. E., Çolpan C. Ö.
7th Global Conference On Global Warming, İzmir, Turkey, 24 - 28 June 2018, pp.643-648, (Full Text)
- VI. **AN IMPROVED SYSTEM DESIGN FOR SOLAR BOATS**
Erginer K. E., Gülmez Y., Konur O., Fikir E., Göksu B., Kaya K. D., Pamık M., Yüksel O., Korkmaz S. A.
7th Global Conference on Global Warming, İzmir, Turkey, 24 - 28 June 2018, (Full Text)
- VII. **Energy Analysis of a Vacuum Fresh Water Generator on a Commercial Vessel**
Yüksel O., Gülmez Y., Konur O., Korkmaz S. A., Erdogan A., Çolpan C. Ö.
7th Global Conference on Global Warming, İzmir, Turkey, 24 - 28 June 2018, pp.602-607, (Full Text)
- VIII. **IC Çeşme Marina'da Yatlardan Kaynaklı Ortalama Karbon Salım Miktarlarının Hesaplanması**
YÜKSEL O., KONUR O., GÜLMEZ Y., KORKMAZ S. A., AKALTAN C.
VII. ULUSAL III. ULUSLARARASI DOĞU AKDENİZ TURİZM SEMPOZYUMU BİLDİRİLER KİTABI, Hatay, Turkey, 20 - 21 April 2018, pp.1655-1670, (Full Text)
- IX. **Kruvaziyer Ve Ro-Ro Gemilerinde Organik Rankine Çevrimi Sistemi Kullanımının Liman Sahaları Üzerindeki Çevresel Etkileri**
KONUR O., YÜKSEL O., KORKMAZ S. A., GÜLMEZ Y., TOZMAN N.
VII. ULUSAL III. ULUSLARARASI DOĞU AKDENİZ TURİZM SEMPOZYUMU BİLDİRİLER KİTABI, İskenderun, Turkey, 20 - 21 April 2018, pp.1543-1550, (Full Text)
- X. **IC Çeşme Marina'da Güneş Enerjisi Kullanım Potansiyelinin Değerlendirilmesi**
GÜLMEZ Y., KONUR O., YÜKSEL O., KORKMAZ S. A., AKALTAN C.
VII. ULUSAL III. ULUSLARARASI DOĞU AKDENİZ TURİZM SEMPOZYUMU, Hatay, Turkey, 20 - 21 April 2018, pp.1532-1543, (Full Text)
- XI. **ENERGY EFFICIENCY OPTIMIZATION ON CENTRIFUGAL PUMPS: A CONTENT ANALYSIS**
YÜKSEL O., KÖSEOĞLU B.
1ST INTERNATIONAL CONGRESS ON SHIP AND MARINE TECHNOLOGY“Green Technologies”, İstanbul, Turkey, 8 - 09 December 2016, pp.781-795, (Full Text)
- XII. **A CONTENT ANALYSIS OF THE ACADEMIC STUDIES RELATED TO RISK ANALYSIS IN MARITIME INDUSTRY**
Gülmez Y., Yüksel O., Göksu B., Kuleyin B., Nas S.
THE SECOND INTERNATIONAL CONFERENCE ON GLOBAL INTERNATIONAL ON INNOVATION IN MARINE TECHNOLOGY AND THE FUTURE OF MARITIME TRANSPORTATION, Muğla, Turkey, 24 - 25 October 2016, pp.497-513, (Full Text)
- XIII. **Applying Quality Function Deployment to Marine Diesel Engines**
YÜKSEL O., GÖKSU B., GÜLMEZ Y.
THE SECOND INTERNATIONAL CONFERENCE ON GLOBAL INTERNATIONAL ON INNOVATION IN MARINE TECHNOLOGY AND THE FUTURE OF MARITIME TRANSPORTATION, 24 - 25 October 2016, pp.396-404, (Full Text)
- XIV. **Content Analysis of the Academic Studies Related to Risk Analysis in Maritime Industry**
Gülmez Y., Yüksel O., Göksu B., Kuleyin B., Nas S.
II. Global Conference on Innovation in Marine Technology and the Future of Maritime Transportation, Muğla, Turkey, 24 - 25 October 2016, pp.497-506, (Full Text)

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