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International Researcher IDs

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Publons / Web Of Science ResearcherID: H MV-2502-2023

ScopusID: 57216842450

Yoksis Researcher ID: 224499

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Deniz Ulaştırma Müh. Abd/Deniz Ulaştırma Mühendisliği Programı, Turkey 2017 - 2023

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Elektrik Elektronik Müh. Abd, Turkey 2014 - 2017

Undergraduate, Pamukkale University, Faculty Of Engineering, Elektrik Elektronik Müh. Bölümü, Turkey 2009 - 2013

Dissertations

Doctorate, Gemi Elektrik Şebekelerinde Derin Öğrenme Uygulamaları, Istanbul Technical University, Lisansüstü Eğitim Enstitüsü, 2023

Postgraduate, YERÇEKİMİ ARAMA ALGORİTMASI İLE GEMİ DÜMEN SİSTEMİNİN DENETİMİ, Suleyman Demirel University, Fen Bilimleri Enstitüsü, 2017

Research Areas

Electrical and Electronics Engineering, Energy, Electric Power Transmission, Distribution and Protection, Power Electronics, Electrical Machine Theory and Design, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Denizcilik, Gemi Makineleri İşletme Mühendisliği, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- A Data-Driven Approach for Generator Load Prediction in Shipboard Microgrid: The Chemical Tanker Case Study**
Uyanık T., Bakar N. N. A., Kalenderli Ö., Arslanoğlu Y., Guerrero J. M., Lashab A.
Energies, vol.16, no.13, 2023 (SCI-Expanded)

- II. **APPLICATION OF MACHINE LEARNING METHODS FOR PREDICTION OF SEAFARER SAFETY PERCEPTION**
Arslanoglu B., Elidolu G., Uyanik T.
TRANSACTIONS OF THE ROYAL INSTITUTION OF NAVAL ARCHITECTS PART A: INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.164, no. A3, pp.269-282, 2023 (SCI-Expanded)
- III. **Data-driven ship berthing forecasting for cold ironing in maritime transportation**
Abu Bakar N. N., Bazmohammadi N., Cimen H., Uyanik T., Vasquez J. C., Guerrero J. M.
APPLIED ENERGY, vol.326, 2022 (SCI-Expanded)
- IV. **Data-Driven Approach for Estimating Power and Fuel Consumption of Ship: A Case of Container Vessel**
Uyanik T., Yalman Y., Kalenderli Ö., Arslanoğlu Y., Terriche Y., Su C., Guerrero J. M.
MATHEMATICS, vol.10, no.22, 2022 (SCI-Expanded)
- V. **Implementation of Voltage Sag Relative Location and Fault Type Identification Algorithm Using Real-Time Distribution System Data**
YALMAN Y., Uyanik T., TAN A., BAYINDIR K. Ç., Terriche Y., Su C., Guerrero J. M.
MATHEMATICS, vol.10, no.19, 2022 (SCI-Expanded)
- VI. **Prediction of Voltage Sag Relative Location with Data-Driven Algorithms in Distribution Grid**
YALMAN Y., Uyanik T., ATLI İ., TAN A., BAYINDIR K. Ç., KARAL Ö., Golestan S., Guerrero J. M.
ENERGIES, vol.15, no.18, 2022 (SCI-Expanded)
- VII. **Thermoelectric Generators as an Alternative Energy Source in Shipboard Microgrids**
Uyanik T., Ejder E., Arslanoğlu Y., Yalman Y., Terriche Y., Su C., Guerrero J. M.
Energies, vol.15, no.12, 2022 (SCI-Expanded)
- VIII. **Machine learning based visibility estimation to ensure safer navigation in strait of Istanbul**
Uyanik T., Karatuğ Ç., Arslanoğlu Y.
Applied Ocean Research, vol.112, 2021 (SCI-Expanded)
- IX. **Machine learning approach to ship fuel consumption: A case of container vessel**
Uyanik T., Karatuğ Ç., Arslanoğlu Y.
TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT, vol.84, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **An MDCM approach for risk assessment at the polar regions: analysing the antarctic route ice navigation risk parameters**
Atak Ü., Uyanik T., Arslanoğlu Y.
Australian Journal of Maritime and Ocean Affairs, vol.15, no.4, pp.464-482, 2023 (Scopus)
- II. **Risk assessment of sea chest fouling on the ship machinery systems by using both FMEA method and ERS process**
Ceylan B. O., Karatuğ Ç., Ejder E., Uyanik T., Arslanoğlu Y.
Australian Journal of Maritime and Ocean Affairs, vol.15, no.4, pp.414-433, 2023 (Scopus)
- III. **VERİYE DAYALI YÖNTEMLER YARDIMI İLE KİMYASAL TANKERDE YAKIT TÜKETİMİ TAHMİNİ**
UYANIK T.
Dokuz Eylül Üniversitesi Denizcilik Fakültesi Dergisi, vol.14, no.2, pp.190-205, 2022 (Peer-Reviewed Journal)
- IV. **Ticari gemilerde operasyonel elektriksel gücün tahmininde makine öğrenmesi yaklaşımı: şaft jeneratörü güç tahmini uygulaması**
UYANIK T.
Akıllı Ulaşım Sistemleri ve Uygulamaları Dergisi (Online), vol.4, no.2, pp.165-174, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. A MACHINE LEARNING APPROACH FOR SOLAR POWER PLANT ELECTRICAL POWER ESTIMATION**
UYANIK T., Yılmaz O., ARSLANOĞLU Y.
5th International Anatolian Energy Symposium 24-25 March 2021 (AES 2021), Trabzon, Turkey, 24 - 26 March 2021, pp.412-417
- II. Ship Energy Efficiency Analysing Approaches: A Case Study**
Yılmaz O., UYANIK T., ARSLANOĞLU Y.
5 th International Anatolian Energy Symposium 24-25 March 2021 (AES 2021), Trabzon, Turkey, 24 - 26 March 2021, pp.54
- III. Hull cleaning effects on CO2 emissions: estimation with machine learning methods**
ELİDOLU G., UYANIK T., ARSLANOĞLU Y.
5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Antalya, Turkey, 21 - 23 October 2020
- IV. Data-Driven Approach For Estimation Of Marine Vessel's Fuel Oil Consumption**
KARATUĞ Ç., UYANIK T., ARSLANOĞLU Y.
9th International Conference on Advanced Technologies (ICAT'xx20), Turkey, 10 August 2020
- V. Seafarer personnel selection with Fuzzy AHP**
Elidolu G., Uyanık T., Arslanoğlu Y.
5th International Mediterranean Science and Engineering Congress (IMSEC 2020)), Antalya, Turkey, 21 - 23 October 2020, pp.632-636
- VI. Ship Electrical Power Estimation with Machine Learning**
UYANIK T., KARATUĞ Ç., ARSLANOĞLU Y.
9th International Conference on Advanced Technologies (ICAT'xx20), İstanbul, Turkey, 10 - 12 August 2020
- VII. Ship Fuel Consumption Prediction with Machine Learning**
UYANIK T., ARSLANOĞLU Y., KALENDERLİ Ö.
4th International Mediterranean Science and Engineering Congress (IMSEC2019), Antalya, Turkey, 24 - 27 April 2019
- VIII. Estimation of safe work behavior of seafarers using Artificial Neural Network**
ELİDOLU G., UYANIK T., ARSLANOĞLU Y.
4th International Mediterranean Science and Engineering Congress (IMSEC 2019), Antalya, Turkey, 24 - 27 April 2019
- IX. Low Cost Sensor System Design for Lagrangian Drifter at Turkish Straits**
USLUER H. B., UYANIK T., ARSLANOĞLU Y.
ICOEST 4th International Conference on Environmental Science and Technology, KIEV, Ukraine, 19 - 23 September 2018, pp.9
- X. A Sensor Application for Oceanographic Drifter**
USLUER H. B., UYANIK T., ARSLANOĞLU Y.
ICOEST 4th International Conference on Environmental Science and Technology, KIEV, Ukraine, 19 - 23 September 2018, pp.8
- XI. ENERGY OPTIMIZATION BY DETERMINING PID COEFFICIENTS BY GENETIC ALGORITHM IN MARINE DUAL FUEL ENGINE**
UYANIK T., ARSLANOĞLU Y., KALENDERLİ Ö.
7th International Conference on Advanced Technologies, Antalya, Turkey, 28 April - 01 May 2018
- XII. INVESTIGATION OF THE SHIPS LIGHTNING PROTECTION SYSTEMS**
UYANIK T., ARSLANOĞLU Y., KALENDERLİ Ö.
7th International Conference on Advanced Technologies, Antalya, Turkey, 28 April - 01 May 2018
- XIII. Genetic Algorithm With Ship Steering System pid Coefficients Optimization**
UYANIK T., BİNGÖL O.
4th International Conference on Pure and Applied Sciences (ICPAS2017), İstanbul, Turkey, 23 - 25 November 2017, pp.85
- XIV. Ship Fuel Consumption And Emission Amount Modelling And Minimization With Fuzzy Logic**

UYANIK T., KARTAL Ş. E., ARSLANOĞLU Y.

The 7th International Energy Conference - REMOO, 10 - 12 May 2017

XV. Analysis of Electromagnetic Field Levels in Ships

UYANIK T., ARSLANOĞLU Y., KALENDERLİ Ö.

The 7th International Energy Conference - REMOO, 10 - 12 May 2017

XVI. Oceanographic Measurements in Istanbul Strait with New Type Buoy: Design and Performance at Sea

UYANIK T., USLUER H. B., ARSLANOĞLU Y.

4th International Conference on Pure and Applied Sciences: Renewable Energy, İstanbul, Turkey, 23 - 25

November 2017

Supported Projects

Arslanoğlu Y., Uyanık T., Project Supported by Higher Education Institutions, Gemi Elektrik Şebekelerinde Yapay Zeka ve Derin Öğrenme Araştırması, 2019 - 2023

Metrics

Publication: 31

Citation (WoS): 37

Citation (Scopus): 163

H-Index (WoS): 3

H-Index (Scopus): 5