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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAR-4162-2021

ScopusID: 57219710166

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Education Information

Doctorate, Yıldız Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, Turkey 2019 - Continues

Postgraduate, Yıldız Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, Turkey 2016 - 2019

Undergraduate, Yıldız Technical University, Naval Architecture And Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2009 - 2014

Research Areas

Naval Architecture and Marine Engineering, Ship Machines, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, -, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effects of ammonia addition on the emission and performance characteristics of a diesel engine with variable compression ratio and injection timing**
OKUMUŞ F., KANBEROĞLU ARSLAN B., GONCA G., KÖKKÜLÜNK G., Aydın Z., Kaya C.
International Journal of Hydrogen Energy, vol.64, pp.186-195, 2024 (SCI-Expanded)
- II. **Gradient boosting machine for performance and emission investigation of diesel engine fueled with pyrolytic oil-biodiesel and 2-EHN additive**
Okumuş F., Sönmez H. İ., Safa A., Kaya C., Kökkülünk G.
Sustainable Energy and Fuels, vol.7, no.16, pp.4002-4018, 2023 (SCI-Expanded)
- III. **Renewable energy resources: Combustion and environmental impact of diesel with pyrolytic and biodiesel blends**
Sönmez H. İ., Okumuş F., Safa A., Aydın Z., Kaya C., Kökkülünk G.

Energy and Environment, vol.34, no.4, pp.855-872, 2023 (SSCI)

- IV. **NOX based comparative analysis of a CI engine fueled with water in diesel emulsion**
Okumuş F., Kaya C., Kökkülünk G.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.45, no.3, pp.6710-6729, 2023 (SCI-Expanded)
- V. **NO and performance characteristics of a CI engine operated on emulsified fuel**
Okumuş F., Kökkülünk G., Gonca G., Kaya İ.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.30, pp.103-122, 2023 (SCI-Expanded)
- VI. **THERMODYNAMIC ASSESSMENT OF WATER DIESEL EMULSIFIED FUEL USAGE IN A SINGLE CYLINDER DIESEL ENGINE**
OKUMUŞ F., KÖKKÜLÜNK G., Kaya C., AYDIN Z.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.45, no.2, pp.3708-3721, 2023 (SCI-Expanded)
- VII. **Waste to energy conversion: Pyrolytic oil and biodiesel as a renewable fuel blends on diesel engine combustion, performance, and emissions**
Sönmez H. İ., Okumuş F., Kaya C., Aydın Z., Safa A., Kökkülünk G.
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.19, no.12, pp.1333-1344, 2022 (SCI-Expanded)
- VIII. **MODELLING SHIPS MAIN AND AUXILIARY ENGINE POWERS WITH REGRESSION-BASED MACHINE LEARNING ALGORITHMS**
OKUMUŞ F., EKMEKÇİOĞLU A., Kara S.
POLISH MARITIME RESEARCH, vol.28, no.1, pp.83-96, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Review of Nitrogen Oxides (NO_x) Reduction Methods Used on Marine Diesel Engine**
Okumuş F., Kökkülünk G.
Journal of Marine and Engineering Technology, vol.3, no.1, pp.34-44, 2023 (Peer-Reviewed Journal)
- II. **MODELING OF GENERAL CARGO SHIP'S MAIN ENGINE POWERS WITH REGRESSION BASED MACHINE LEARNING ALGORITHMS: COMPARATIVE RESEARCH**
Okumuş F., Ekmekçioğlu A.
Mersin University Journal of Maritime Faculty, vol.3, no.1, pp.1-8, 2021 (Peer-Reviewed Journal)
- III. **Friction Behaviours of Lubrication Oil Contaminated With Cooling Water in Marine Diesel Engines**
Aydın Z., Elçiçek H., Kökkülünk G., Okumuş F.
INTERNATIONAL JOURNAL OF ADVANCES ON AUTOMOTIVE AND TECHNOLOGY, vol.1, pp.98-103, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental Investigation of Using Waste Frying Oil Biodiesel-Diesel Blends on Performance Parameters in a Diesel Engine**
Kaya C., Kökkülünk G., Aydın Z., Okumuş F.
International Design and Engineering Symposium, İzmir, Turkey, 10 - 12 October 2019, pp.152
- II. **Experimental Investigation of using Emulsified Fuel in a Diesel Engine on Performance and NO_x Emissions**
Okumuş F., Kökkülünk G., Kaya C., Safa A.
III. GLOBAL CONFERENCE ON INNOVATION IN MARINE TECHNOLOGY AND THE FUTURE OF MARITIME TRANSPORTATION, İzmir, Turkey, 18 - 19 April 2019, pp.15-23
- III. **ANALYSIS OF THE FRICTION FORCES BETWEEN PISTON RING-CYLINDER LINER PAIRS ON MARINE DIESEL ENGINES USING EMULSIFIED FUEL**

OKUMUŞ F., KÖKKÜLÜNK G., AYDIN Z., ELÇİÇEK H.

3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 19

December 2017, pp.321-327

Supported Projects

KÖKKÜLÜNK G., ERGENÇ A. T., ELÇİÇEK H., AYDIN Z., SERT O., OKUMUŞ F., KAYA A., SAFA A., Kaya C., Project Supported by Higher Education Institutions, Uluslararası emisyon standartlarına uyum için gezinti ve balıkçı tekne motorlarında emülsife yakıt kullanımının deneysel olarak araştırılması, 2018 - 2020

Metrics

Publication: 14

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