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International Researcher IDs

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Publons / Web Of Science ResearcherID: JER-5599-2023

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Education Information

Doctorate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, Turkey 2018 - 2024

Postgraduate, Yildiz Technical University, Fen Bilimleri, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği Abd, Turkey 2015 - 2018

Undergraduate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Gemi İnşaatı Ve Gemi Makineleri Mühendisliği, Turkey 2010 - 2014

Research Areas

Multiobjective Optimization, Heuristic Methods, Energy, Thermodynamics, Heat and Mass Transfer, Fuels and Combustion, Heating, Refrigerating and Air Conditioning, Internal Combustion Engines, Thermal machines, Ship Machines

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **A new method to multi - objective optimization of shell and tube heat exchanger for waste heat recovery**
KAYA İ., ÜST Y.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of Waste Heat Energy in a Marine Engine with Transcritical Organic Rankine Cycle**
Kaya İ., Karakurt A. S., Üst Y.
Journal of Thermal Engineering, vol.6, no.3, pp.282-296, 2020 (ESCI)

Papers Published in Refereed Scientific Meetings

- I. **Discretization of E-Type Shell and Tube Heat Exchangers Based on Axial Flows for Thermal Analysis**
Kaya İ., Üst Y.
4 th INTERNATIONAL NAVAL ARCHITECTURE AND MARITIME SYMPOSIUM Yildiz Technical University, Besiktas, Istanbul, October 23-25 , 2023, İstanbul, Turkey, 11 - 13 October 2023, pp.673-681
- II. **Optimal Design of Shell and Tube Heat Exchanger by Using Net Saving and Saving Cost Ratio Objectives in Waste Heat Recovery System**
ÜST Y., KAYA İ.
International Conference on Engineering and Natural Sciences (ICENS), Prague, Czech Republic, 12 - 16 June 2019, pp.267-280
- III. **Recovery of Ship Waste Exhaust Gas Energy by Transcritical Organic Rankine Cycle**
ÜST Y., KAYA İ.
International Conference on Engineering and Natural Sciences (ICENS), Kiev, Ukraine, 02 May 2018, pp.366

Supported Projects

Kaya İ., Project Supported by Other Official Institutions, Development A Graphical User Interface for YTU DEEP Ship Movements Program, 2022 - 2022

Metrics

Publication: 7