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International Researcher IDs

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Publons / Web Of Science ResearcherID: AFR-6291-2022

ScopusID: 57373748000

Yoksis Researcher ID: 283645

Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Department of Mechanical Engineering / Program of Heat and Processing, Turkey 2020 - Continues

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Department of Mechanical Engineering / Program of Heat and Processing, Turkey 2017 - 2020

Undergraduate, Istanbul Kemerburgaz University, Faculty of Engineering and Architecture, Department of Mechanical Engineering, Turkey 2013 - 2017

Dissertations

Postgraduate, Numerical investigation of the effect of using corrugated surfaces on heat transfer characteristics in straight and helically coiled tubes, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Mechanical Engineering / Heat and Processing, 2020

Research Areas

Fluid Mechanics, Thermodynamics, Heat and Mass Transfer

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2019 - Continues

Research Assistant, Istinye University, Faculty of Engineering, Department of Mechanical Engineering, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- Enhancement of thermal and flow characteristics in helically coiled tubes with corrugated surfaces by Genetic Algorithm based optimization**
Kirkar Ş. M., Gönül A., Selim Dalkilic A. S.

International Journal of Heat and Fluid Flow, vol.106, 2024 (SCI-Expanded)

II. A sensitivity analysis of the effect of curvature ratio on the thermal-hydraulic performance in helically coiled tubes with corrugated walls

Kırkar Ş. M., Gönül A., Dalkılıç A. S.

International Journal of Thermal Sciences, vol.190, 2023 (SCI-Expanded)

III. Multi-objective optimization of single-phase flow heat transfer characteristics in corrugated tubes

Kırkar Ş. M., Gönül A., Celen A., Dalkılıç A. S.

INTERNATIONAL JOURNAL OF THERMAL SCIENCES, vol.186, pp.1-21, 2023 (SCI-Expanded)

IV. Single-phase flow heat transfer characteristics in helically coiled tube heat exchangers

Akgül D., Kırkar Ş. M., Onal B. S., Celen A., Dalkılıç A. S., Wongwises S.

Kerntechnik, vol.87, no.1, pp.1-25, 2022 (SCI-Expanded)

V. Heat transfer and pressure drop characteristics of two phase flow in helical coils

Onal B. S., Kırkar Ş. M., Akgül D., Celen A., Açıkgöz Ö., Dalkılıç A. S., Kazi S. N., Wongwises S.

Thermal Science and Engineering Progress, vol.27, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. EXPERIMENTAL SETUP DESIGN FOR INVESTIGATION OF FLOW BOILING HEAT TRANSFER CHARACTERISTICS OF R-134A IN HELICALLY COILED TUBES WITH SMOOTH AND CORRUGATED SURFACES

Kırkar Ş. M., Dalkılıç A. S.

6th International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 20 - 22 October 2021, pp.605-610

II. BRIEF LITERATURE REVIEW ON THE CONDENSATION HEAT TRANSFER CHARACTERISTICS OF HELICAL COILS

ÖNAL B. S., KIRKAR Ş. M., Akgül D., CELEN A., AÇIKGÖZ Ö., DALKILIÇ A. S., Wongwises S.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019

III. BRIEF LITERATURE REVIEW ON THE FLOW BOILING HEAT TRANSFER CHARACTERISTICS OF HELICAL COILS

KIRKAR Ş. M., Akgül D., ÖNAL B. S., DALKILIÇ A. S., Wongwises S.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019

IV. BRIEF LITERATURE REVIEW ON THE SINGLE-PHASE FLOW HEAT TRANSFER CHARACTERISTICS OF HELICAL COILS

Akgül D., KIRKAR Ş. M., ÖNAL B. S., CELEN A., AÇIKGÖZ Ö., DALKILIÇ A. S., Wongwises S.

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, İstanbul, Turkey, 17 - 19 December 2019

V. NUMERICAL INVESTIGATION ON HEAT TRANSFER AND PRESSURE DROP CHARACTERISTICS OF HELICALLY COILED HEAT EXCHANGERS

Kırkar Ş. M., İren K., Gönül A., Celen A., Dalkılıç A. S.

World Energy Strategies Congress and Exhibition (WESCE-2019), İstanbul, Turkey, 26 - 28 August 2019

Supported Projects

DALKILIÇ A. S., KIRKAR Ş. M., KOYUN A., AÇIKGÖZ Ö., AKYOL E., KIRBOĞA OKUMUŞ S., Önal B. S., Akgül D., WONGWİSES S., CELEN A., Project Supported by Higher Education Institutions, İki Fazlı Akışlarda İyileştirilmiş Düz ve Helezon Borularda Isı Transferi Katsayısı ve Basınç Düşümünün Deneysel Araştırılması, 2019 - 2023

Metrics

Publication: 10

Citation (WoS): 1

Citation (Scopus): 45

H-Index (WoS): 1

H-Index (Scopus): 4