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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABG-1500-2021

ScopusID: 57193878052

Yoksis Researcher ID: 299701

Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2017 - 2023

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2014 - 2017

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, Turkey 2007 - 2012

Dissertations

Doctorate, Atımlı newtonumsu olmayan akışkan akışının hidrodinamik ve ısıl incelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2023

Postgraduate, MİKROKANALLARDA KARMA TAŞINIM: VİSKOZ YAYILIM ETKİSİ, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2017

Research Areas

Mechanical Engineering, Thermodynamics, Heat and Mass Transfer, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2024 - Continues

Research Assistant, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2019 - 2024

Academic and Administrative Experience

Deputy Head of Department, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Makine Mühendisliği, 2024 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pulsating non-Newtonian heat and fluid flow in a concentric annular duct: An analysis using perturbation series method**
Altunkaya A. N., Aydın O., Avcı M.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.154, 2024 (SCI-Expanded)
- II. **Pulsating flow and heat transfer of power-law fluid in a circular pipe**
Altunkaya A. N., Aydın O., Avcı M.
NONLINEAR ANALYSIS-MODELLING AND CONTROL, vol.28, no.1, pp.56-73, 2023 (SCI-Expanded)
- III. **Effects of viscous dissipation on mixed convection in a vertical parallel-plate microchannel with asymmetric uniform wall heat fluxes: The slip regime**
Altunkaya A. N., Avcı M., Aydın O.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.111, pp.495-499, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Non-Newtonian Laminar Pulsating Heat and Fluid Flow in Plane Duct**
Altunkaya A. N., Aydın O., Avcı M.
Heat Transfer, vol.53, no.2, pp.805-825, 2024 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **KATI VE SIVILARIN ÖZGÜL ISILARININ BELİRLENMESİNE YÖNELİK DENEY SİSTEMİ TASARIM VE İMALATI**
Sandıkçı M., Altunkaya A. N., Avcı M.
12. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 23 - 25 December 2023, pp.935-943
- II. **MIXED CONVECTION IN A VERTICAL PARALLEL-PLATE MICROCHANNEL WITH VISCOUS DISSIPATION EFFECT**
Altunkaya A. N., Avcı M., Aydın O.
Proceedings of the 5th International Anatolian Energy Symposium, Trabzon, Turkey, 24 - 25 March 2021, pp.57-68
- III. **INVESTIGATION OF MIXED CONVECTION IN A VERTICAL MICROANNULUS: VISCOUS DISSIPATION EFFECT**
ALTUNKAYA A. N., AVCI M., AYDIN O.
International Symposium on Thermal Effects in Gas flows in Microscale, Karlsruhe, Germany, 24 - 25 October 2019, pp.1-12
- IV. **MIXED CONVECTION IN A UNIFORMLY HEATED VERTICAL MICROTUBE WITH VISCOUS DISSIPATION EFFECT**
ALTUNKAYA A. N., AVCI M., AYDIN O.
22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, vol.1, pp.861-868
- V. **İki Düşey Levha Arasındaki Couette-Poiseuille Akışı: Karma Taşınımın İncelenmesi**
ALTUNKAYA A. N., AVCI M., AYDIN O.
21. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 13 - 16 September 2017

Supported Projects

Altunkaya A. N., Sandıkçı M., TUBITAK Project, Katı ve Sıvıların Özgül Isılarının Belirlenmesine Yönelik Deney Sistemi Tasarım ve İmalatı, 2022 - 2023

Metrics

Publication: 9

Citation (WoS): 17

Citation (Scopus): 17

H-Index (WoS): 2

H-Index (Scopus): 2