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International Researcher IDs
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Education Information

Doctorate, Recep Tayyip Erdogan University, Lisansüstü Eğitim Enstitüsü, Turkey 2022 - Continues
Postgraduate, Hitit University, Instıtute Of Scıence, Department Of Mechanıcal Engıneerıng, Turkey 2018 - 2022
Undergraduate, Gazi University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2013 - 2017

Certificates, Courses and Trainings

Vocational Training, SA 8000:2014 SOSYAL SORUMLULUK EĞİTİMİ, Kartepe Sertifikasyon Hizmetleri Ltd. Şti., 2021
Vocational Training, GENEL TALAŞLI İMALAT VE KESİCİ TAKIMLAR, KARCAN Cutting Tools, 2021
Quality Management, VDA 6.5 ÜRÜN DENETİMİ EĞİTİMİ, Kartepe Sertifikasyon Hizmetleri Ltd. Şti., 2021
Quality Management, ISO 31000:2018 KURUMSAL RİSK ANALİZİ YÖNETİM EĞİTİMİ, Kartepe Sertifikasyon Hizmetleri Ltd. Şti., 2021

Dissertations

Postgraduate, ENDÜSTRİYEL BOYLERLERDE ISI VE AKIŞKAN GEÇİŞİNİN SAYISAL ANALİZİ, Hitit University, Instıtute Of Scıence, Department Of Mechanıcal Engıneerıng, 2022

Research Areas

Mechanical Engineering, Energy, Heat and Mass Transfer, Thermal Systems

Academic Titles / Tasks

Research Assistant, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Transient behavior of flow boiling in structured microchannels under sudden and highly variable heat loads**
Markal B., Evcimen A.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.154, pp.1-15, 2024 (SCI-Expanded)

II. **Effect of inlet temperature on flow boiling behavior of expanding micro-pin-fin type heat sinks**
Markal B., EVCİMEN A., AYDIN O.
International Communications in Heat and Mass Transfer, vol.149, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **EFFECTIVENESS ANALYSIS OF MINI-CHANNELED SHELL-AND-TUBE HEAT EXCHANGER**
Yiğit M. K., EVCİMEN A., MARKAL B.
3. International World Energy Conference, Kayseri, Turkey, 4 - 05 December 2023, pp.241-247

II. **INVESTIGATION OF BUBBLE BEHAVIOR IN MICROCHANNEL HEAT SINKS**
EVCİMEN A., MARKAL B.
AKDENIZ 10TH INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Girne, Cyprus (Kktc), 2 - 05 November 2023, pp.73-84

III. **EFFECT OF INCLINATION ANGLE ON FLOW BOILING IN MICRO-SIZED CHANNELS**
MARKAL B., EVCİMEN A.
Fourteen International Conference on Thermal Engineering: Theory and Applications May 25-27, 2023 Yalova , Turkiye, 25 - 27 May 2023

IV. **TRANSIENT BEHAVIOR OF NON-UNIFORM PULSATING HEAT PIPES UNDER DIFFERENT HEAT LOADS**
MARKAL B., EVCİMEN A.
International Symposium on Convective Heat and Mass Transfer (CONV-22), İzmir, Turkey, 09 June 2022, pp.579-587

Supported Projects

Evcimen A., Yiğit M. K., TUBITAK Project, Mini Kanallı Gövde Boru Tipi Isı Değiştiricisi Tasarımı ve Sayısal Olarak Analizi, 2023 - 2024
Markal B., Avcı M., TUBITAK Project, Kademeli Genişleyen Akış Kesitine Sahip Mikro Pim Tipi Kanatçıklı Isı Alıcılarda Kaynamalı Akışın Deneysel İncelenmesi, 2020 - 2023

Metrics

Publication: 6
Citation (WoS): 1
Citation (Scopus): 2
H-Index (WoS): 1
H-Index (Scopus): 1