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Personal Information

Birthyear: 1974

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Education Information

Post Doctorate, King Mongkut's University Of Technology Thonburi, Makina Fakültesi, Makina Mühendisliği Bölümü, Thailand 2006 - 2007

Doctorate, Yıldız Teknik Üniversitesi, Makina Fakültesi, Makina Mühendisliği, Turkey 1999 - 2006

Post Graduate, Yıldız Teknik Üniversitesi, Makina Fakültesi, Makina Mühendisliği, Turkey 1996 - 1999

Under Graduate, Yıldız Teknik Üniversitesi, Makina Fakültesi, Makina Mühendisliği, Turkey 1992 - 1996

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, Düşey Borularda Yoğuşmada Isı Taşınım Katsayısının Araştırılması , Yıldız Technical University, Faculty of Mechanical Engineering, Department of Mechanical Engineering, 2007

Post Graduate, Kapalı olimpik yüzme havuzlarında iklim koşullarının sağlanması , Yıldız Technical University, Faculty of Mechanical Engineering, Department of Mechanical Engineering, 1999

Research Areas

Mechanical Engineering, Energy, Renewable Energy Systems, Thermodynamics, Heat and Mass Transfer, Heating, Refrigerating and Air Conditioning, Thermal Systems, Engineering and Technology

Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty of Mechanical Engineering, Department of Mechanical Engineering, 2020 - Continues

Associate Professor, Yıldız Technical University, Faculty of Mechanical Engineering, Department of Mechanical Engineering, 2014 - 2020

Assistant Professor, Yildiz Technical University, Faculty of Mechanical Engineering, Department of Mechanical Engineering, 2011 - 2014

Research Assistant, Yildiz Technical University, Faculty of Mechanical Engineering, Department of Mechanical Engineering, 1997 - 2011

Professional Experience

Mevlana Exchange Program Coordinator, Yildiz Technical University, Faculty of Mechanical Engineering, Department of Mechanical Engineering, 2018 - Continues

Erasmus Coordinator, Yildiz Technical University, Faculty of Mechanical Engineering, Department of Mechanical Engineering, 2008 - 2014

Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Yildiz Technical University, Faculty of Mechanical Engineering, Department of Mechanical Engineering, 2007 - 2008

Courses

Isıl ve Mekanik Sistem Tasarımı, Under Graduate, 2018 - 2019

Akışkanlar Mekaniği 1, Under Graduate, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2017 - 2018, 2018 - 2019

Akıllı Binalarda Mekanik Tesisat ve Elemanları , Under Graduate, 2015 - 2016, 2017 - 2018, 2019 - 2020

Araştırma Yöntemleri ve Bilimsel Etik, Post Graduate, 2019 - 2020

Soğutma ve İklimlendirme Esasları, Under Graduate, 2018 - 2019

Isı Transferi, Under Graduate, 2017 - 2018, 2018 - 2019, 2019 - 2020

İleri Termodinamik, Post Graduate, 2019 - 2020

Akışkanlar Mekaniği 1, Under Graduate, 2019 - 2020

Thermodynamics, Under Graduate, 2018 - 2019

Isı Değiştiricileri, Under Graduate, 2012 - 2013, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2018 - 2019

Enerji Sistemlerinin II. Kanun Analizi ve Ekserji, Post Graduate, 2015 - 2016, 2018 - 2019

İklimlendirme ve Akıllı Sistemler, Post Graduate, 2017 - 2018, 2018 - 2019

Seminer, Post Graduate, 2015 - 2016, 2016 - 2017

İklimlendirmede Yalıtım Sistemleri, Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018

Bina Otomasyonu ve İşletmesi, Under Graduate, 2015 - 2016, 2016 - 2017

Isı Transferi 1, Under Graduate, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015

Termodinamik 1, Under Graduate, 2013 - 2014

Konveksiyon ve Radyasyonda Özel Konular, Post Graduate, 2012 - 2013

Thermodynamics 2 , Under Graduate, 2011 - 2012

Fluid Mechanics, Under Graduate, 2011 - 2012

Termodinamik 2, Under Graduate, 2012 - 2013

Thermodynamics 1, Under Graduate, 2011 - 2012

Makina Mühendisliğine Giriş 2, Under Graduate, 2011 - 2012

Advising Theses

Dalkılıç A. S. , Taner T., Kojenerasyon Tesislerinde Kömür ile Biyokütle Kullanımının Kazan Verimine Etkisinin incelenmesi, Post Graduate, Ş.Berber(Student), 2020

Dalkılıç A. S. , BİR MAHALİN TERMAL KONFOR ŞARTLARININ HESAPLAMALI AKIŞKANLAR DİNAMIĞI YÖNTEMİ İLE ANALIZI, Post Graduate, S.ÖZSAĞIROĞLU(Student), 2020

Dalkılıç A. S. , Düz ve Helisel Borularda Koruge Yüzeylerin Kullanımının Isı Geçişi Karakteristiklerine Etkisinin Sayısal Olarak İncelenmesi, Post Graduate, Ş.METİN(Student), 2020

Dalkılıç A. S. , AĞIR TİCARİ ARAÇLARDA RADYATÖR KAPASİTESİNİN DENEYSEL OLARAK TAYİNİ, Post Graduate, H.FURKAN(Student), 2019

Dalkılıç A. S. , Yumurtacı Z., Döşemeden ısıtma ve soğutma sistemlerinin ısı transferi karakteristiklerinin incelenmesi, Doctorate, Y.KARAKOYUN(Student), 2019

Dalkılıç A. S. , Yapay Sinir Ağları Yöntemiyle Doğalgaz Şehir Giriş İstasyonlarının Projelendirilmesi, Post Graduate, V.BALIKÇI(Student), 2019

Dalkılıç A. S. , Borulu Tip Isı Değiştiricilerinde Laminar Akışta Nümerik Olarak Isı Geçişi Karakteristiklerinin Araştırılması, Post Graduate, O.DALLI(Student), 2019

Dalkılıç A. S. , Mikrokanallı ısı alıcılarında akan R134A'nın kaynamasının deneysel olarak araştırılması, Post Graduate, C.ÖZMAN(Student), 2019

Dalkılıç A. S. , Bayrak M., Grafit bazlı bir nanosivinin ticari bir mikrokanalda soğutma performansının deneysel olarak incelenmesi, Doctorate, O.YILDIZ(Student), 2018

Dalkılıç A. S. , Nanoakışkanlı çift borulu ısı değiştiricilerin optimizasyonu, Post Graduate, G.ÖZÇELİK(Student), 2018

Dalkılıç A. S. , Yatay mikrokanatlı borularda kaynama ısı taşınım katsayısının ve basınç düşümünün araştırılması, Doctorate, A.CELEN(Student), 2018

Dalkılıç A. S. , Karbon nanotüplü kompresör yağlarının dinamik viskozitelerinin deneysel incelenmesi, Post Graduate, H.TARIK(Student), 2017

Dalkılıç A. S. , Mikrokanallı ısı değiştiricilerinde tek fazlı türbülanslı akışın deneysel incelenmesi, Post Graduate, S.YILMAZ(Student), 2017

Dalkılıç A. S. , Theoretical investigation of the use of nanorefrigerants in various refrigeration cycles, Post Graduate, M.AKTAŞ(Student), 2014

Dalkılıç A. S. , İç yüzeyi pürüzsüz ve mikrokanatlı düşey borular içinde akan saf suyun basınç düşümünün deneysel olarak belirlenmesi, Post Graduate, A.ÇEBİ(Student), 2014

Dalkılıç A. S. , Experimental analysis of the single phase pressure drop characteristics of smooth and microfin tubes, Post Graduate, A.CELEN(Student), 2013

Dalkılıç A. S. , Numerical investigation of the single phase forced convection heat transfer characteristics of nanofluids flowing in enhanced tubes, Post Graduate, N.KAYACI(Student), 2012

Jury Memberships

Doctoral Examination, Doctoral Examination, Trakya Üniversitesi, May, 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Single phase flow heat transfer characteristics of quad-channel twisted tape inserts in tubes**
DALKILIÇ A. S. , Uluç B., Celik M. S. , CELEN A., Jumholkul C., Newaz K. S. , Wongwises S.
International Communications in Heat and Mass Transfer, vol.118, 2020 (Journal Indexed in SCI Expanded)
- **Effect of saturation temperature and vapor quality on the boiling heat transfer and critical heat flux in a microchannel**
DALKILIÇ A. S. , CELEN A., Erdoğan M., Sakamatapan K., Newaz K. S. , Wongwises S.
International Communications in Heat and Mass Transfer, vol.117, 2020 (Journal Indexed in SCI Expanded)
- **Experimental investigation on two-phase heat transfer of R-134a during vaporization in a plate heat exchanger with rough surface**
Soontarapiromsook J., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O., Wongwises S., Ahn H. S.
International Journal of Heat and Mass Transfer, vol.160, 2020 (Journal Indexed in SCI Expanded)
- **Two-phase flow boiling in a microfluidic channel at high mass flux**
Keepaiboon C., DALKILIÇ A. S. , Mahian O., Ahn H. S. , Wongwises S., Mondal P. K. , Shadloo M. S.
PHYSICS OF FLUIDS, vol.32, 2020 (Journal Indexed in SCI)
- **Effect of geometrical parameters on the evaporative heat transfer and pressure drop of R-134a**

flowing in dimpled tubes

Aroonrat K, Asirvatham L. G. , DALKILIÇ A. S. , Mahian O, Ahn H. S. , Wongwises S.

HEAT AND MASS TRANSFER, 2020 (Journal Indexed in SCI)

● **Experimental investigation of the heat transfer and pressure drop characteristics of SiO₂/water nanofluids flowing through a circular tube equipped with free rotating swirl generators**

Jumpholkul C., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O, Ahn H. S. , Jerng D., Wongwises S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.56, pp.1613-1626, 2020 (Journal Indexed in SCI)

● **Optimization of the finned double-pipe heat exchanger using nanofluids as working fluids**

DALKILIÇ A. S. , MERCAN H., Ozcelik G., Wongwises S.

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2020 (Journal Indexed in SCI)

● **An experimental investigation on heat transfer characteristics arising over an underfloor cooling system exposed to different radiant heating loads through walls**

Karakoyun Y., Açıköz Ö., Yumurtacı Z., Dalkılıç A. S.

APPLIED THERMAL ENGINEERING, vol.164, 2020 (Journal Indexed in SCI)

● **Heat transfer and fluid flow characteristics in a plate heat exchanger filled with copper foam**

Nilpueng K., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O, Ahn H. S. , Wongwises S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, 2020 (Journal Indexed in SCI)

● **Single phase flow of nanofluid including graphite and water in a microchannel**

Yıldız O., Açıköz Ö., Yıldız G., Bayrak M., Dalkılıç A. S. , Wongwises S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.56, pp.1-24, 2020 (Journal Indexed in SCI)

● **Experimental and numerical studies on heat transfer enhancement for air conditioner condensers using a wavy fin with a rectangular winglet**

Chimres N., Chittiphalungsri T., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O, Wongwises S.

Journal of Mechanical Science and Technology, 2020 (Journal Indexed in SCI Expanded)

● **Experimental study on evaporative heat transfer and pressure drop of R-134a in a horizontal dimpled tube**

Aroonrat K, Ahn H. S. , Jerng D., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O, Wongwises S.

International Journal of Heat and Mass Transfer, vol.144, 2019 (Journal Indexed in SCI)

● **Application of the heat pipe to enhance the performance of the vapor compression refrigeration system**

Nakkaew S., Chitiphalungsri T., Ahn H. S. , Jerng D. W. , Asirvatham L. G. , DALKILIÇ A. S. , Mahian O, Wongwises S.

CASE STUDIES IN THERMAL ENGINEERING, vol.15, 2019 (Journal Indexed in SCI)

● **An experimental investigation on heat transfer characteristics of graphite-SiO₂/water hybrid nanofluid flow in horizontal tube with various quad-channel twisted tape inserts**

Dalkılıç A. S. , Türk O. A. , Mercan H., Nakkaew S., Wongwises S.

International Communications in Heat and Mass Transfer, vol.107, pp.1-13, 2019 (Journal Indexed in SCI)

● **Effects of Sonication Time on the Stability and Viscosity of Functionalized MWCNT-Based Nanolubricants**

Dalkılıç A. S. , Küçükyıldırım B. O. , Akdoğan Eker A., Yıldız F., Akpınar A., Jumholkul C., Wongwises S.

Current Nanoscience, vol.15, 2019 (Journal Indexed in SCI Expanded)

● **Realistic experimental heat transfer characteristics of radiant floor heating using sidewalls as heat sinks**

Açıköz Ö., Karakoyun Y., Yumurtacı Z., Dukhan N., Dalkılıç A. S.

ENERGY AND BUILDINGS, vol.183, pp.515-526, 2019 (Journal Indexed in SCI)

● **Sizing charts of helical capillary tubes used in refrigeration and air conditioning**

Chingulpitak S., Mahian O, DALKILIÇ A. S. , Asirvatham L. G. , Wongwises S.

SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT, vol.25, pp.1-10, 2019 (Journal Indexed in SCI)

● **Thermal performance of plate fin heat sink combined with copper foam**

Nilpueng K., Amani J., DALKILIÇ A. S. , Asirvatham L. G. , Mahian O, Wongwises S.

Heat Transfer Research, vol.50, pp.1595-1613, 2019 (Journal Indexed in SCI)

● **Experimental study on the thermal conductivity of water-based CNT-SiO₂ hybrid nanofluids**

Dalkılıç A. S. , Yalçın G., Küçükyıldırım B. O. , Öztuna S., Akdoğan Eker A., Jumholkul C., Nakkaew S., Wongwises S.
International Communications in Heat and Mass Transfer, vol.99, pp.18-25, 2018 (Journal Indexed in SCI)

● **Experimental investigation on the viscosity characteristics of water based SiO₂-graphite hybrid nanofluids**

DALKILIÇ A. S. , AÇIKGÖZ Ö., KÜÇÜKYILDIRIM B. O. , Eker A., Lüleci B., Jumholkul C., Wongwises S.
International Communications in Heat and Mass Transfer, vol.97, pp.30-38, 2018 (Journal Indexed in SCI Expanded)

● **Investigation of boiling heat transfer characteristics of R134a flowing in smooth and microfin tubes**
Celen A., Cebi A., Dalkılıç A. S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.93, pp.21-33, 2018 (Journal Indexed in SCI)

● **A model of energy management analysis, case study of a sugar factory in Turkey**

Taner T., Sivrioglu M., Topal H., DALKILIÇ A. S. , Wongwises S.

SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.43, 2018 (Journal Indexed in SCI)

● **Effect of surface roughness on the condensation of R-134a in vertical chevron gasketed plate heat exchangers**

Soontarapiromsook J., Mahian O., Dalkilic A. S. , Wongwises S.

EXPERIMENTAL THERMAL AND FLUID SCIENCE, vol.91, pp.54-63, 2018 (Journal Indexed in SCI)

● **Experimental investigation on the flow boiling of R134a in a multi-microchannel heat sink**

Dalkılıç A. S. , Ozman C., Sakamatapan K., Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.91, pp.125-137, 2018 (Journal Indexed in SCI)

● **An experimental investigation devoted to determine heat transfer characteristics in a radiant ceiling heating system**

Koca A., Açıkğöz Ö., Çebi A., Çetin G., Dalkılıç A. S. , Wongwises S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.54, pp.363-375, 2018 (Journal Indexed in SCI)

● **Experimental Study on the Stability and Viscosity for the Blends of Functionalized MWCNTs with Refrigeration Compressor Oils**

Dalkilic A. S. , Mahian O., Kucukyildirim B. O. , Eker A. A. , Ozturk T. H. , Jumholkul C., Wongwises S.

CURRENT NANOSCIENCE, vol.14, pp.216-226, 2018 (Journal Indexed in SCI)

● **Experimental investigation of single-phase turbulent flow of R-134a in a multiport microchannel heat sink**

Dalkılıç A. S. , Mahian O., Yılmaz S., Sakamatapan K., Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.89, pp.47-56, 2017 (Journal Indexed in SCI)

● **A complete evaluation method for the experimental data of flow boiling in smooth tubes**

Celen A., Dalkılıç A. S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.89, pp.108-121, 2017 (Journal Indexed in SCI)

● **Prediction of frictional pressure drop of R134a during condensation inside smooth and corrugated tubes**

DALKILIÇ A. S. , Çebi A., AÇIKGÖZ Ö., WONGWISES S.

International Communications in Heat and Mass Transfer, vol.88, pp.183-193, 2017 (Journal Indexed in SCI)

● **An experimental study to determine the maximum efficiency index in turbulent flow of SiO₂/water nanofluids**

Jumholkul C., Mahian O., Kasaeian A., DALKILIÇ A. S. , Wongwises S.

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.112, pp.1113-1121, 2017 (Journal Indexed in SCI)

● **Experimental investigation of frost issue on various evaporators having different fin types**

Olçay A. B. , Avci P., Bayrak E., Dalkilic A. S. , Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.86, pp.190-198, 2017 (Journal Indexed in SCI)

- **Natural convection heat transfer from horizontal concentric and eccentric cylinder systems cooling in the ambient air and determination of inner cylinder location**
ATAYILMAZ Ş. Ö. , DEMİR H., SEVİNDİR M. K. , AĞRA Ö., Teke İ., DALKILIÇ A. S.
Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.53, pp.2677-2692, 2017 (Journal Indexed in SCI)
- **Artificial neural network modeling of nanofluid flow in a microchannel heat sink using experimental data**
Tafarroj M. M. , Mahian O., Kasaeian A., Sakamatapan K., DALKILIÇ A. S. , Wongwises S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.86, pp.25-31, 2017 (Journal Indexed in SCI)
- **A novel ANN-based approach to estimate heat transfer coefficients in radiant wall heating systems**
AÇIKGÖZ Ö., Cebi A., DALKILIÇ A. S. , KOCA A., CETIN G., Gemici Z., WONGWISES S.
ENERGY AND BUILDINGS, vol.144, pp.401-415, 2017 (Journal Indexed in SCI)
- **Evaluation of the performance of the empirical correlations used to predict R134a's boiling frictional pressure drop inside smooth and corrugated tubes**
DALKILIÇ A. S. , Cebi A., Celen A., AWAD M. M. , WONGWISES S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.81, pp.8-18, 2017 (Journal Indexed in SCI)
- **Prediction of friction factor of pure water flowing inside vertical smooth and microfin tubes by using artificial neural networks**
ÇEBİ A., AKDOĞAN E., Celen A., DALKILIÇ A. S.
Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.53, pp.673-685, 2017 (Journal Indexed in SCI)
- **Experimental investigation on the viscosity of Water-CNT and Antifreeze-CNT nanofluids**
Dalkılıç A. S. , Küçükyıldırım B. O. , Eker A., Cebi A., Tapan S., Jumpholkul C., Wongwises S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.80, pp.47-59, 2017 (Journal Indexed in SCI)
- **Determination of Optimum Velocity for Various Nanofluids Flowing in a Double-Pipe Heat Exchanger**
DALKILIÇ A. S. , AÇIKGÖZ Ö., GÜMÜŞ M. A. , WONGWISES S.
HEAT TRANSFER ENGINEERING, vol.38, pp.11-25, 2017 (Journal Indexed in SCI)
- **AIR-SIDE PERFORMANCE OF A MICRO-CHANNEL HEAT EXCHANGER IN WET SURFACE CONDITIONS**
Srisomba R., Asirvatham L. G. , Mahian O., DALKILIÇ A. S. , Awad M. M. , Wongwises S.
THERMAL SCIENCE, vol.21, pp.375-385, 2017 (Journal Indexed in SCI)
- **Fundamental basis and implementation of shell and tube heat exchanger project design: condenser and evaporator study**
DALKILIÇ A. S. , AÇIKGÖZ Ö., TAPAN Ş., WONGWISES S.
HEAT AND MASS TRANSFER, vol.52, pp.2863-2878, 2016 (Journal Indexed in SCI)
- **Empirical correlations for the determination of R134a's convective heat transfer coefficient in horizontal and vertical evaporators having smooth and corrugated tubes**
Dalkilic A. S. , CELEN A., Çebi A., Wongwises S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.76, pp.85-97, 2016 (Journal Indexed in SCI)
- **Effect of hydrogen-diesel dual-fuel usage on performance, emissions and diesel combustion in diesel engines**
Karagoz Y., SANDALCI T., YÜKSEK L., DALKILIÇ A. S. , WONGWISES S.
ADVANCES IN MECHANICAL ENGINEERING, vol.8, 2016 (Journal Indexed in SCI)
- **An experimental study on two-phase flow patterns and heat transfer characteristics during boiling of R134a flowing through a multi-microchannel heat sink**
Thiangtham P., Keepeiboon C., Kiatpachai P., Asirvatham L. G. , Mahian O., DALKILIÇ A. S. , Wongwises S.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.98, pp.390-400, 2016 (Journal Indexed in SCI)
- **Viscosity of nanofluids: A review of recent experimental studies**
Bashirnezhad K., Bazri S., Safaei M. R. , Goodarzi M., Dahari M., Mahian O., Dalkilica A. S. , Wongwises S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.73, pp.114-123, 2016 (Journal Indexed

in SCI)

Prediction of graphite nanofluids' dynamic viscosity by means of artificial neural networks

Dalkılıç A. S. , Cebı A., Celen A., Yıldız O., Açıkgöz Ö., Jumpholkul C., Bayrak M., Surana K., Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.73, pp.33-42, 2016 (Journal Indexed in SCI)

Effect of the use of natural gas diesel fuel mixture on performance emissions and combustion characteristics of a compression ignition engine

KARAGÖZ Y., SANDALCI T., KÖYLÜ Ü., DALKILIÇ A. S. , WONGWISES S.

ADVANCES IN MECHANICAL ENGINEERING, vol.8, pp.1-13, 2016 (Journal Indexed in SCI Expanded)

Pressure drop characteristics of R134a during flow boiling in a single rectangular micro-channel

Keepaiboon C., Thiangtham P., Mahian O., DALKILIÇ A. S. , Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.71, pp.245-253, 2016 (Journal Indexed in SCI)

Effects of hydrogen and methane addition on combustion characteristics, emissions, and performance of a CI engine

Karagoz Y., GULER I., SANDALCI T., YÜKSEK L., DALKILIÇ A. S. , WONGWISES S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, pp.1313-1325, 2016 (Journal Indexed in SCI)

Effect of hydrogen enrichment on combustion characteristics, emissions and performance of a diesel engine

Karagoz Y., GÜLER I., SANDALCI T., YÜKSEK L., DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, pp.656-665, 2016 (Journal Indexed in SCI)

Effect of Refrigerant Type and Insulation Thickness on Refrigeration Systems of Land and Sea Vehicles

DALKILIÇ A. S. , Celen A., Cebi A., WONGWISES S.

STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, vol.62, pp.252-259, 2016 (Journal Indexed in SCI)

A Review of Recent Empirical Correlations for the Calculation of Determination of R134a's Convective Heat Transfer Coefficient in Vertical Condensers

DALKILIÇ A. S. , AKTAŞ M. S. , AÇIKGÖZ Ö., WONGWISES S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.69, pp.41-50, 2015 (Journal Indexed in SCI)

Effects of hydrogen and oxygen enrichment on performance and emissions of an SI engine under idle operating condition

Karagoz Y., SANDALCI T., DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, pp.8607-8619, 2015 (Journal Indexed in SCI)

Effect of hydrogen and oxygen addition as a mixture on emissions and performance characteristics of a gasoline engine

KARAGÖZ Y., YUCA N., SANDALCI T., DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, pp.8750-8760, 2015 (Journal Indexed in SCI)

Engine performance and emission effects of diesel burns enriched by hydrogen on different engine loads

Karagoz Y., SANDALCI T., YÜKSEK L., DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, pp.6702-6713, 2015 (Journal Indexed in SCI)

An experimental investigation on the performance characteristics of a hydroxygen enriched gasoline engine with water injection

Karagoz Y., YÜKSEK L., SANDALCI T., DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.40, pp.692-702, 2015 (Journal Indexed in SCI)

A Theoretical Comparative Study on Nanorefrigerant Performance in a Single-Stage Vapor-Compression Refrigeration Cycle

Aktas M., Aktas M., Dalkılıç A. S. , Celen A., Cebi A., Mahian O., Wongwises S.

ADVANCES IN MECHANICAL ENGINEERING, vol.7, 2015 (Journal Indexed in SCI)

● **INVESTIGATION ON THE RELATION BETWEEN EXERGY LOSS AND NTU**

KINCA Y O., Celtek M. S. , Acikgoz O., Dalkilic A. S. , Wongwises S.

ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.35, pp.153-164, 2015
(Journal Indexed in SCI)

● **Effects of the gap size on the flow pattern maps in a mini-gap annular channel**

Pipathattakul M., Mahian O., DALKILIÇ A. S. , Wongwises S.

EXPERIMENTAL THERMAL AND FLUID SCIENCE, vol.57, pp.420-424, 2014 (Journal Indexed in SCI)

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Mobility Activity

Post Doc, Post Doc, King Mongkut's University of Technology Thonburi, Thailand, 2007 - 2008

Invited Congress and Symposium Activities

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TÜBİTAK (ARDEB) ARŞ. DESTEK PROGRAMLARI BAŞKANLIĞI, Panelists, Ankara, Turkey, 2019
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International Conference on Mechanical and Production Engineering, Working Group, Nonthaburi, Thailand, 2015

Working Group, İstanbul, Turkey, 2015

TÜBİTAK TEYDEP , Panelists, Ankara, Turkey, 2015

International Energy Technologies Conference, Working Group, İstanbul, Turkey, 2014

ASME 2014 Fluids Engineering Summer Meeting, Working Group, Illinois, United States Of America, 2014

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Working Group, Minnesota, United States Of America, 2013

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The 3rd TSME International Conference on Mechanical Engineering, Working Group, Nonthaburi, Thailand, 2012

ASME-JSME-KSME 2011 Joint Fluids Engineering , Working Group, Hamamatsu, Japan, 2011

Working Group, Hawaii, United States Of America, 2011

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2010 ASME 14th International Heat Transfer Conference, Working Group, Washington, United States Of America, 2010

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Asme 2009 International Mechanical Engineering Congress and Exposition, Working Group, Florida, United States Of America, 2009

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