

Prof. MUHSİN KILIÇ



Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: O-2253-2015

ScopusID: 57202677637

Yoksis Researcher ID: 4932

Education Information

Doctorate, University of Bath, Mechanical Engineering, United Kingdom 1989 - 1993

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Mechanical Engineering (MSc) (Tezli), Turkey 1987 - 1989

Undergraduate, Bursa Uludağ University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1982 - 1986

Biography

Muhsin Kılıç is a professor at the department of Mechanical Engineering, Bursa Uludağ University, Bursa, Turkey. He graduated at Uludağ University in 1986. He received his MSc degree in mechanical engineering from the Middle East Technical University in 1989, his PhD degree from the Bath University, UK, in 1993. His research fields include turbo machinery, heat transfer, thermodynamics, CFD, thermal comfort, energy, energy conversion, energy storage, HVAC systems. He has a large number of published articles in the related reputable indexed journals.

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Flow Between Contra Rotating Discs, The University of Bath, Engineering Faculty, Mechanical Engineering, 1993

Postgraduate, Finite element analysis of stoves, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School Of Natural And Applied Sciences, 1989

Research Areas

Environmental Engineering, Mechanical Engineering, Energy, Thermodynamics, Interdisciplinary Physics and Related Science and Technology Areas, Electromagnetism, Acoustics, Heat Transfer, Classical Mechanics and Fluid Dynamics, Thermodynamics, Fuel Cells, Engineering and Technology

Academic Titles / Tasks

Professor, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2002 - Continues

Associate Professor, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 1996 - 2002

Assistant Professor, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 1994 - 1996

Academic and Administrative Experience

Academic Performance D. Board Member, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2019 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2016 - Continues

Head of Department, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2016 - Continues

Rector's Advisor, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2011 - 2015

Head of Department, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2002 - 2014

Member of the Senate, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2009 - 2012

Head of Department, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2005 - 2010

Fakülte Kurulu Üyesi, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2002 - 2010

Fakülte Yönetim Kurulu Üyesi, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 2003 - 2009

Deputy Head of Department, Bursa Uludağ University, Mühendislik Fakültesi, Makina Mühendisliği, 1997 - 2005

Courses

İstatistik, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Heat Transfer, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Combined Heat and Power Systems, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Energy Management, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Energy Management, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

İstatistik, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Heat Conduction, Postgraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019

Doktora Uzmanlık Alan Dersi, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Thermodynamic Optimization, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Termik Turbo Makineler, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Radiation Heat transfer, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Y.L. Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Energy Generation Systems, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Isı Transferi, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Enerji Dönüşümleri, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Heat Transfer, Undergraduate, 2020 - 2021

Advising Theses

- Kılıç M., Aerodinamik kanatlı radyal fan tasarımı ve sayısal analizi, Postgraduate, S.FİDAN(Student), 2022
- Kılıç M., ORGANİK RANKINE ÇEVİRİMİNİN TERMODİNAMİK ANALİZİ VE TERMOEKONOMİK OPTİMİZASYONU, Doctorate, E.ÖZDEMİR(Student), 2022
- Kılıç M., Elektrikli araçlarda ısıtma ve soğutma durumlarında enerji yönetimi, Postgraduate, B.UÇAN(Student), 2022
- Kılıç M., A NOVEL PARAMETRIC PERFORMANCE ANALYSIS OF HYBRID REFRIGERATION CYCLES WITH MECHANICAL AND ADSORPTION COMPRESSION, Doctorate, M.ANJRINI(Student), 2021
- Kılıç M., Klimatik Kontrollü Treyler İçerisindeki Hava Akışının Optimizasyonu, Postgraduate, T.GÜLER(Student), 2021
- Kılıç M., ŞEBEKEDEN BAĞIMSIZ, GÜNEŞ VE RÜZGAR KAYNAKLI, BATARYA VE HİDROJEN DEPOLAMALI HİBRİT ENERJİ SİSTEMLERİNİN DİNAMİK MODELLEMESİ, ENERJİ, EKSERJİ VE SEVİYELENDİRİLMİŞ MALİYET ANALİZİ, Doctorate, A.FİDAN(Student), 2021
- Kılıç M., Bir portatif hava temizleme cihazının performansının incelenmesi, Postgraduate, İ.HAKKI(Student), 2021
- Kılıç M., Performance analysis of electronic components cooling with liquid flow in mini channel block application, Postgraduate, S.ŞENTÜRK(Student), 2020
- Kılıç M., Innovative cooling applications on automotive exterior lighting groups, Doctorate, M.AKTAŞ(Student), 2020
- Kılıç M., The effect of material damaged traffic accidents of motor land vehicles on country economy, Postgraduate, R.KARAOĞLU(Student), 2019
- Kılıç M., Improvement of thermo-mechanical properties of the clutch systems used in the vehicles, Doctorate, T.ÇAKMAK(Student), 2018
- Kılıç M., Design and construction of an optimum libr-water absorption refrigeration machine for air conditioning, Doctorate, H.BASRI(Student), 2017
- KILIÇ M., Determination of the adsorption characteristics of different refrigerants on different adsorbents for adsorption heat pump applications, Doctorate, E.GÖNÜL(Student), 2017
- KILIÇ M., KARA A., Determination of physicochemical parameters of the gas adsorption with alternative materials in the adsorption heat pump system, Postgraduate, N.DİNİBÜTÜN(Student), 2016
- KILIÇ M., A comparative review of national and international green building assessment schemes based on energy performance, Postgraduate, A.FİDAN(Student), 2016
- KILIÇ M., Compressed air energy storage, Doctorate, M.MUTLU(Student), 2015
- KILIÇ M., Analysis and design of concentrated solar power components, Postgraduate, H.İZZETTİN(Student), 2014
- KILIÇ M., Heat transfer analysis of automotive headlamp systems, Postgraduate, H.EMRE(Student), 2014
- KILIÇ M., Long term energy production and consumption projections and evaluations for Turkey, Postgraduate, E.ÖZDEMİR(Student), 2013
- KILIÇ M., Pressurized air dryer heat recovery unit heat exchanger design and cfd analysis, Postgraduate, A.BURCU(Student), 2013
- KILIÇ M., Dynamic modelling and design of a compresor with liquid piston, Postgraduate, F.ÖZCAN(Student), 2013
- KILIÇ M., Development of a new generation panel radiator for the low inlet water temperatures, Postgraduate, S.AYDIN(Student), 2013
- KILIÇ M., Structural design and prototype production of a CNC controlled large-scale milling machine with moving portal, Postgraduate, E.GÖNÜL(Student), 2012
- KILIÇ M., Three dimensional numerical analysis of velocity and temperature distribution in an automobile cabin, Doctorate, G.SEVİLGEN(Student), 2010
- KILIÇ M., Investigation of the thermal parameters and indoor air quality changes in an automobile cabin by experimental measurements, Doctorate, M.ÖZGÜN(Student), 2010
- KILIÇ M., Simulation of radiative heat transfer in enclosed volumes, Postgraduate, F.KAYNAKLI(Student), 2009
- KILIÇ M., Design and application of stress removal oven with infrared lamp, Postgraduate, M.MUTLU(Student), 2009
- KILIÇ M., Investigating thermal comfort in an automobile compartment at different enviromental conditions, Postgraduate, Ş.MELİH(Student), 2008
- KILIÇ M., Simulation of a micro gas turbine cycle and optimization of the system components, Postgraduate, T.ÇAKMAK(Student), 2007
- KILIÇ M., The evaluation of energy and fuel consumption of buildings in Bursa by degree day method, Postgraduate,

S.SEVİNÇ(Student), 2006

KILIÇ M., Investigation of heat and mass transfer in wafer and chocolate manufacturing, Postgraduate,

Y.ALTAY(Student), 2005

KILIÇ M., Finite time thermodynamic analysis of thermal systems in a combined power plant, Postgraduate,

M.ÖZGÜN(Student), 2005

Kılıç M., Thermodynamic analysis of a natural gas power plant as to meteorological conditions, Doctorate,

Ü.ÜNVER(Student), 2004

KILIÇ M., Investigation of smoke movements and smoke holes in fires, Postgraduate, C.TANRISEVEN(Student), 2001

KILIÇ M., Computer simulation of heat and mass transfer in forced and free convection, Postgraduate, Ü.ÜNVER(Student), 2000

Kılıç M., Doğal ve zorlanmış taşınım ile ısı ve kütle transferinin bilgisayar simülasyonu, Postgraduate, Ü.ÜNVER(Student), 2000

Jury Memberships

Doctorate, Doctorate, İstanbul Teknik Üniversitesi, May, 2022

Appointment Academic Staff, Appointment Academic Staff, Bursa Uludağ Üniversitesi, September, 2021

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, August, 2021

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, May, 2021

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ University, March, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, İstanbul Teknik Üniversitesi, January, 2021

Associate Professor Exam, Associate Professor Exam, Bursa Uludağ Üniversitesi, September, 2020

Appointment Academic Staff, Appointment Academic Staff, Bursa Uludağ Üniversitesi, May, 2020

Associate Professor Exam, Associate Professor Exam, Adana Bilim Ve Teknoloji Üniversitesi, February, 2020

Associate Professor Exam, Associate Professor Exam, Adana Bilim Ve Teknoloji Üniversitesi, July, 2019

Appointment Academic Staff, Appointment Academic Staff, Amasya Üniversitesi, June, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Evaluation of Combined Thermal–Mechanical Compression Systems: A Review for Energy Efficient Sustainable Cooling**
Kilic M.
SUSTAINABILITY, vol.14, no.21, pp.13724, 2022 (SCI-Expanded)
- II. **Numerical Simulation and Analytical Evaluation of the Collection Efficiency of the Particles in a Gas by the Wire-Plate Electrostatic Precipitators**
Kilic M., Mutlu M., Altun A. F.
APPLIED SCIENCES, vol.12, no.6401, pp.1-19, 2022 (SCI-Expanded)
- III. **Numerical investigation of an air cleaning device performance**
KILIÇ M., MUTLU M., Saldamli I. H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.37, no.4, pp.2077-2089, 2022 (SCI-Expanded)
- IV. **NOVEL AIR DUCT COOLING PERFORMANCE EVALUATION FOR THE REFRIGERATED PRODUCT TRANSPORT IN A SEMI-TRAILER CABIN**
KILIÇ M., Guler T., SEVİLGEN G.
HEAT TRANSFER RESEARCH, vol.53, no.5, pp.17-30, 2022 (SCI-Expanded)
- V. **Comparative performance evaluation of the mechanical and adsorption hybrid cooling systems for the cascaded and the serial connected evaporators configurations**
Kılıç M., Anjrini M.

CASE STUDIES IN THERMAL ENGINEERING, vol.28, 2021 (SCI-Expanded)

- VI. **Dual-separated cooling channel performance evaluation for high-power led Pcb in automotive headlight**
Sevilgen G., Kılıç M., Aktas M.
CASE STUDIES IN THERMAL ENGINEERING, vol.25, 2021 (SCI-Expanded)
- VII. **THE 1-D ANALYSIS OF COOL DOWN SIMULATION OF VEHICLE HVAC SYSTEM**
Sevilgen G., Bayram H., Kilic M.
THERMAL SCIENCE, vol.25, no.3, pp.1677-1687, 2021 (SCI-Expanded)
- VIII. **Comparative performance analysis of ORC-VCRC combined systems based on refrigerant selection**
Özdemir Küçük E., Kılıç M.
SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT, vol.27, no.1, pp.70-84, 2021 (SCI-Expanded)
- IX. **Investigation of Thermal Sensation in a Railway Vehicle during Cooling Period**
Sevilgen G., Sayaral G., Kılıç M., Bayram H.
TRANSPORTATION RESEARCH RECORD, vol.2674, no.10, pp.461-474, 2020 (SCI-Expanded)
- X. **Comparative performance analysis of a combined cooling system with mechanical and adsorption cycles**
Kılıç M., Anjirini M.
ENERGY CONVERSION AND MANAGEMENT, vol.221, 2020 (SCI-Expanded)
- XI. **Design and performance evaluation based on economics and environmental impact of a PV-wind-diesel and battery standalone power system for various climates in Turkey**
Altun A. F. , Kılıç M.
RENEWABLE ENERGY, vol.157, pp.424-443, 2020 (SCI-Expanded)
- XII. **Economic feasibility analysis with the parametric dynamic simulation of a single effect solar absorption cooling system for various climatic regions in Turkey**
Altun A. F. , Kılıç M.
Renewable Energy, vol.152, pp.75-93, 2020 (SCI-Expanded)
- XIII. **Thermodynamic performance evaluation of a geothermal ORC power plant**
Altun A. F. , Kılıç M.
Renewable Energy, vol.148, pp.261-274, 2020 (SCI-Expanded)
- XIV. **Thermal Assessment of Laminar Flow Liquid Cooling Blocks for LED Circuit Boards Used in Automotive Headlight Assemblies**
Kılıç M., Aktas M., Sevilgen G.
ENERGIES, vol.13, 2020 (SCI-Expanded)
- XV. **Estimation of friction surface temperature of a dry clutch**
Cakmak T., KILIÇ M.
INTERNATIONAL JOURNAL OF HEAVY VEHICLE SYSTEMS, vol.27, no.5, pp.683-702, 2020 (SCI-Expanded)
- XVI. **A NOVEL METHOD FOR PREDICTION OF GAS TURBINE POWER PRODUCTION Degree-Day Method**
Ünver Ü., Kelesoglu A., Kılıç M.
THERMAL SCIENCE, vol.22, 2018 (SCI-Expanded)
- XVII. **Influence of environmental temperature on exergetic parameters of a combined cycle power plant**
Ünver Ü., Kılıç M.
INTERNATIONAL JOURNAL OF EXERGY, vol.22, pp.73-88, 2017 (SCI-Expanded)
- XVIII. **A novel design of a compressed air storage system with liquid pistons**
Kılıç M., Mutlu M.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.48, pp.318-324, 2016 (SCI-Expanded)
- XIX. **Evaluation of windshield defogging process in an automobile**
Mutlu M., Sevilgen G., Kılıç M.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.71, pp.103-121, 2016 (SCI-Expanded)
- XX. **EFFECTS OF PISTON SPEED, COMPRESSION RATIO, AND CYLINDER GEOMETRY ON SYSTEM PERFORMANCE OF A LIQUID PISTON**
Mutlu M., Kılıç M.

- THERMAL SCIENCE, vol.20, pp.1953-1961, 2016 (SCI-Expanded)
- XXI. **Energy and exergy analysis of a double effect LiBr-H₂O and LiCl-H₂O chillers**
Kılıç M., Ravul H. B.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.48, pp.312-317, 2016 (SCI-Expanded)
- XXII. **THREE-DIMENSIONAL CONJUGATE NUMERICAL ANALYSIS OF FIN AND TUBE HEAT EXCHANGERS WITH VARIOUS FIN THERMAL CONDUCTIVITY VALUES AND GEOMETRIC PARAMETERS**
Mutlu M., Kılıç M.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.36, pp.85-98, 2016 (SCI-Expanded)
- XXIII. **Adsorption characteristics evaluation of R134A and R404A on different adsorbents**
Kılıç M., Gonul E.
BULGARIAN CHEMICAL COMMUNICATIONS, vol.48, pp.306-311, 2016 (SCI-Expanded)
- XXIV. **INVESTIGATION OF TRANSIENT COOLING OF AN AUTOMOBILE CABIN WITH A VIRTUAL MANIKIN UNDER SOLAR RADIATION**
Sevilgen G., Kılıç M.
THERMAL SCIENCE, vol.17, pp.397-406, 2013 (SCI-Expanded)
- XXV. **The effective thermal conductivity of insulation materials reinforced with aluminium foil at low temperatures**
Yuksel N., Avci A., Kılıç M.
HEAT AND MASS TRANSFER, vol.48, pp.1569-1574, 2012 (SCI-Expanded)
- XXVI. **Experimental investigation of thermal comfort and air quality in an automobile cabin during the cooling period**
Kılıç M., Akyol S. M.
HEAT AND MASS TRANSFER, vol.48, pp.1375-1384, 2012 (SCI-Expanded)
- XXVII. **The effects of using different type of inlet vents on the thermal characteristics of the automobile cabin and the human body during cooling period**
Kılıç M., Sevilgen G.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.60, pp.799-809, 2012 (SCI-Expanded)
- XXVIII. **THREE DIMENSIONAL NUMERICAL ANALYSIS OF TEMPERATURE DISTRIBUTION IN AN AUTOMOBILE CABIN**
SEVİLGEN G., KILIÇ M.
THERMAL SCIENCE, vol.16, no.1, pp.321-326, 2012 (SCI-Expanded)
- XXIX. **TRANSIENT EFFECTS OF DIFFERENT HEATING MODES ON TEMPERATURE AND HUMIDITY INSIDE THE AUTOMOBILE CABIN DURING HEATING PERIOD**
Korukcu M. Ö. , KILIÇ M.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.32, no.1, pp.101-107, 2012 (SCI-Expanded)
- XXX. **Transient effects of heater on CO₂ emissions in an automobile**
Özgün Korukçu M., Kılıç M.
Scientific Research and Essays, vol.6, pp.6465-6474, 2011 (SCI-Expanded)
- XXXI. **An experimental investigation on interior thermal conditions and human body temperatures during cooling period in automobile**
Kılıç M., Kaynaklı Ö.
HEAT AND MASS TRANSFER, vol.47, pp.407-418, 2011 (SCI-Expanded)
- XXXII. **Numerical analysis of air flow, heat transfer, moisture transport and thermal comfort in a room heated by two-panel radiators**
Sevilgen G., Kılıç M.
ENERGY AND BUILDINGS, vol.43, pp.137-146, 2011 (SCI-Expanded)
- XXXIII. **The temperature dependence of effective thermal conductivity of the samples of glass wool reinforced with aluminium foil**

- Yuksel N., Avci A., Kılıç M.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.37, pp.675-680, 2010 (SCI-Expanded)
- XXXIV. **Editorial**
Oeztuerk F., Kilic M.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.52, no.1, pp.1-2, 2010 (SCI-Expanded)
- XXXV. **Dynamic simulation of HVAC system thermal loads in an automobile compartment**
Akyol S. M. , Kılıç M.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.52, pp.177-198, 2010 (SCI-Expanded)
- XXXVI. **Untitled**
Oeztuerk F., Kılıç M.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.52, pp.1-4, 2010 (SCI-Expanded)
- XXXVII. **Transient numerical analysis of airflow and heat transfer in a vehicle cabin during heating period**
Sevilgen G., Kılıç M.
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.52, pp.144-159, 2010 (SCI-Expanded)
- XXXVIII. **The usage of IR thermography for the temperature measurements inside an automobile cabin**
Korukcu M. Ö. , Kılıç M.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.36, pp.872-877, 2009 (SCI-Expanded)
- XXXIX. **THE EFFECTS OF USING DIFFERENT VENTILATION MODES DURING HEATING PERIODS OF AN AUTOMOBILE**
Kılıç M., Akyol S. M.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.29, pp.25-36, 2009 (SCI-Expanded)
- XL. **EVALUATION OF HEAT TRANSFER CHARACTERISTICS IN AN AUTOMOBILE CABIN WITH A VIRTUAL MANIKIN DURING HEATING PERIOD**
Kılıç M., Sevilgen G.
NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, vol.56, pp.515-539, 2009 (SCI-Expanded)
- XLI. **Modelling airflow, heat transfer and moisture transport around a standing human body by computational fluid dynamics**
Kılıç M., Sevilgen G.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.35, pp.1159-1164, 2008 (SCI-Expanded)
- XLII. **Second law-based thermodynamic analysis of water-lithium bromide absorption refrigeration system**
Kilic M., Kaynakli Ö.
ENERGY, vol.32, no.8, pp.1505-1512, 2007 (SCI-Expanded)
- XLIII. **Second law based thermoeconomic analysis of combined cycle power plants considering the effects of environmental temperature and load variations**
Unver U., Kilic M.
International Journal of Energy Research, vol.31, pp.148-157, 2007 (SCI-Expanded)
- XLIV. **Theoretical study on the effect of operating conditions on performance of absorption refrigeration system**
Kaynakli Ö., Kilic M.
ENERGY CONVERSION AND MANAGEMENT, vol.48, pp.599-607, 2007 (SCI-Expanded)
- XLV. **A model for latent heat energy storage systems**
Yuksel N., Avci A., Kilic M.
International Journal of Energy Research, vol.30, no.14, pp.1146-1157, 2006 (SCI-Expanded)
- XLVI. **Determination of required core temperature for thermal comfort with steady-state energy balance method**
Kilic M., Kaynakli Ö., Yamankaradeniz R.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.33, pp.199-210, 2006 (SCI-Expanded)
- XLVII. **An investigation of thermal comfort inside an automobile during the heating period**
Kaynakli Ö., Kilic M.

- APPLIED ERGONOMICS, vol.36, pp.301-312, 2005 (SCI-Expanded)
- XLVIII. **Thermal comfort during heating and cooling periods in an automobile**
Kaynaklı Ö., Pulat E., Kilic M.
HEAT AND MASS TRANSFER, vol.41, pp.449-458, 2005 (SCI-Expanded)
- XLIX. **Investigation of indoor thermal comfort under transient conditions**
Kaynaklı Ö., Kilic M.
BUILDING AND ENVIRONMENT, vol.40, pp.165-174, 2005 (SCI-Expanded)
- L. **Determination of heat transfer rate and nusselt number on the thermal-entry region in ducts**
Kilic M.
International Communications in Heat and Mass Transfer, vol.31, pp.181-190, 2004 (SCI-Expanded)
- LI. **A study on the fire protection of historic Cumalikizik village**
Akinciturk N., Kilic M.
Journal of Cultural Heritage, vol.5, pp.213-219, 2004 (SCI-Expanded)
- LII. **Evaluating thermal environments for sitting and standing posture**
Kaynaklı Ö., Unver U., Kilic M.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.30, pp.1179-1188, 2003 (SCI-Expanded)
- LIII. **Computation of flow between two disks rotating at different speeds**
Kilic M., Owen J.
Journal of Turbomachinery, vol.125, pp.394-400, 2003 (SCI-Expanded)
- LIV. **The effect of input temperatures on the absorber parameters**
Atmaca İ., Yigit A., Kilic M.
International Communications in Heat and Mass Transfer, vol.29, pp.1177-1186, 2002 (SCI-Expanded)
- LV. **Computation of flow and heat transfer in rotating cavities with peripheral flow of cooling air**
Kilic M.
HEAT TRANSFER IN GAS TURBINE SYSTEMS, vol.934, pp.513-520, 2001 (SCI-Expanded)
- LVI. **Computation of flow and heat transfer in rotating cavities with peripheral flow of cooling air**
Kılıç M.
Annals of the New York Academy of Sciences, vol.934, pp.513-520, 2001 (SCI-Expanded)
- LVII. **Flow and convective heat transfer in cylindrical reversed flow combustion chambers**
Kilic M.
International Communications in Heat and Mass Transfer, vol.23, pp.1151-1161, 1996 (SCI-Expanded)
- LVIII. **Turbulent flow between two disks contrarotating at different speeds**
Kilic M., Gan X., Owen J.
Journal of Turbomachinery, vol.118, pp.408-413, 1996 (SCI-Expanded)
- LIX. **Flow between contrarotating disks**
Gan X., Kilic M., Owen J.
Journal of Turbomachinery, vol.117, pp.298-305, 1995 (SCI-Expanded)
- LX. **Superposed flow between two discs contrarotating at differential speeds**
Gan X., Kilic M., Owen J.
International Journal of Heat and Fluid Flow, vol.15, pp.438-446, 1994 (SCI-Expanded)
- LXI. **Transitional Flow Between Contra-Rotating Disks**
Kılıç M., Gan X., Owen J.
Journal of Fluid Mechanics, vol.281, pp.119-135, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **Gelişmekte olan laminer akışta mini kanallı soğutucu bloğun çok yanıtlı taguchi yöntemi kullanılarak optimizasyonu**
Kılıç M., Sevgül Ş.
Uludağ University Journal of The Faculty of Engineering, vol.24, no.3, pp.433-450, 2019 (Peer-Reviewed Journal)

- II. **Influence of Window Parameters on the Thermal Performance of Office Rooms in Different Climate Zones of Turkey**
Altun A. F. , Kılıç M.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.9, pp.226-243, 2019 (ESCI)
- III. **Klimatik Kontrollü Treyler İçerisindeki Hava Akışının Optimizasyonu**
Güler T., Kılıç M.
Mühendis ve Makina, vol.60, no.697, pp.289-302, 2019 (Peer-Reviewed Journal)
- IV. **DYNAMIC SIMULATION OF A PV/WIND HYBRID POWER GENERATION SYSTEM: CASE STUDY OF BURSA PROVINCE**
Altun A. F. , Kılıç M.
Uludağ University Journal of The Faculty of Engineering, vol.24, no.12, pp.571-582, 2019 (Peer-Reviewed Journal)
- V. **Synthesis of knowledge on utilization of adsorption filters for healthy indoor environments**
Altun A. F. , Kılıç M.
Romanian Journal of Civil Engineering, vol.10, no.3, pp.223-229, 2019 (Peer-Reviewed Journal)
- VI. **Application of Sepiolite-Poly(vinylimidazole) composite for the removal of Cu(II): Thermodynamics and isotherm studies**
KARA A., KILIÇ M., TEKİN N., Dinibütün N., ŞAFAKLI A.
International Journal of Chemistry and Technology, vol.2, no.1, pp.20-33, 2018 (Peer-Reviewed Journal)
- VII. **Advances on Heat Pump Applications for Electric Vehicles**
Bayram H., Sevilgen G., Kılıç M.
Advances in Automotive Engineering, An International Journal, vol.1, no.1, pp.79-104, 2018 (Peer-Reviewed Journal)
- VIII. **An investigation of the ammonia adsorption performance on different adsorbents for cooling applications**
Altun A. F. , Kılıç M.
Bulgarian Chemical Communications, vol.50, pp.45-52, 2018 (Scopus)
- IX. **Thermodynamic analysis of basic and regenerative organic Rankine cycles using dry fluids from waste heat recovery**
Özdemir E., Kılıç M.
Journal of Thermal Engineering, vol.4, no.5, pp.2381-2393, 2018 (Scopus)
- X. **Simulation and thermodynamic analysis of a regenerative and recuperative organic Rankine cycle**
Özdemir Küçük E., Kılıç M.
Bulgarian Chemical Communications, vol.50, pp.86-95, 2018 (Scopus)
- XI. **Comparative performance analysis of a two-bed adsorption cooling system with adsorption of different adsorbates on silica-gel**
Kılıç M.
Bulgarian Chemical Communications, vol.50, pp.102-110, 2018 (Scopus)
- XII. **Energy and Exergy Analysis of an Organic Rankine Cycle Using Different Working Fluids from Waste Heat Recovery**
Özdemir E., Kılıç M.
International Journal of Environmental Trends (IJENT), vol.1, no.1, pp.32-45, 2017 (Peer-Reviewed Journal)
- XIII. **Experimental investigation of R134a adsorption on silica gel for cooling system applications**
Kılıç M., Gonul E.
Research on Engineering Structures and Materials, vol.3, no.3, pp.192-200, 2017 (Peer-Reviewed Journal)
- XIV. **Experimental and Theoretical Analysis of Headlight Surface Temperature in an Infrared Heated Stress Relieving Oven**
Mutlu M., Kılıç M.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.21, no.1, pp.99-110, 2016 (Peer-Reviewed Journal)
- XV. **Experimental and theoretical analysis of an infra red heated stress relieving oven**
Mutlu M., Kılıç M.
Uludağ University Journal of The Faculty of Engineering, vol.21, no.1, pp.99-110, 2016 (Peer-Reviewed Journal)

- XVI. **Renewable Energy Resources and Sustainability Index**
Sevilgen G., Kılıç M.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.18, no.1, pp.69-79, 2013 (Peer-Reviewed Journal)
- XVII. **OTOMOBİLLERDE ISITMA SÜRECİNDE FARKLI MENFEZ KULLANIMININ ISIL KONFORA ETKİSİ**
Kılıç M., Korukçu M. Ö.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.14, no.3, pp.1-14, 2012 (Peer-Reviewed Journal)
- XVIII. **Tracking hand and facial skin temperatures in an automobile by using IR-thermography during heating period**
Korukçu M. Ö. , Kılıç M.
Gazi University Journal of Science, vol.25, pp.207-217, 2012 (Scopus)
- XIX. **Effect of Solar Radiation on Thermal Comfort in an Automobile Cabin**
KORUKÇU M. Ö. , KILIÇ M.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.18, no.1, pp.29-35, 2012 (ESCI)
- XX. **Otomobillerde Isıtma Sürecinde Farklı Menfez Kullanımının Isıl Konfora Etkisi**
Korukçu M. Ö. , Kılıç M.
Dokuz Eylül University Journal of Engineering Sciences, vol.14, 2012 (Peer-Reviewed Journal)
- XXI. **Bina Duvarlarına Uygulanan Isıl Yalıtım Kalınlığının Enerji Maliyeti Odaklı Optimizasyonu**
KAYNAKLI Ö., MUTLU M., KILIÇ M.
Tesisat Mühendisliği, no.156, pp.48-54, 2011 (Peer-Reviewed Journal)
- XXII. **Otomobil Kabini İçerisindeki Hava Hızının Isıl Konfora Etkisinin İncelenmesi**
Korukçu M. Ö. , Kılıç M.
Sakarya University Journal Of Science, vol.15, no.1, pp.60-67, 2011 (Peer-Reviewed Journal)
- XXIII. **Otomobil kabininde ısıtma sürecinde ısı transfer karakteristiklerinin farklı ışınım modelleri kullanılarak sayısal olarak karşılaştırılması**
Sevilgen G., Kılıç M.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.16, no.1, pp.163-179, 2011 (Peer-Reviewed Journal)
- XXIV. **Tersinmez Brayton Çevriminin Maksimum Güç ve Maksimum Güç Yoğunluğu Şartlarında Karşılaştırmalı Performans Analizi**
Korukçu M. Ö. , Kılıç M.
Uludağ Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.10, no.1, pp.59-70, 2005 (Peer-Reviewed Journal)
- XXV. **Sürekli rejimde ısı konfor şartlarının modellenmesi**
Kaynaklı Ö., Kılıç M.
Anadolu Üniversitesi Bilim ve Teknoloji Dergisi, vol.4, 2003 (Peer-Reviewed Journal)
- XXVI. **Sürekli rejim enerji dengesi modeline göre ısı konfor bölgeleri**
Kaynaklı Ö., Ünver Ü., Kılıç M., Yamankaradeniz R.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.9, no.1, pp.23-30, 2003 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **FARKLI AERODİNAMİK KANAT YAPILARININ SAYISAL ANALİZİ**
ALTUN A. F. , KILIÇ M.
in: MÜHENDİSLİK ALANINDA ULUSLARARASI ARAŞTIRMALAR V, Prof. Dr. Servet Soygüder, Editor, Eğitim Yayınevi, Konya, pp.19-37, 2022
- II. **Isı Transferi**
Kılıç M., Yiğit A.
Dora, Bursa, 2018
- III. **Long-Term Energy Demand and Supply Projections and Evaluations for Turkey**
Kılıç M., Özdemir E.

in: Exergetic, Energetic and Environmental Dimensions, Dinçer İ., Colpan, C.O., Kızılkın O., Editor, Elsevier Science, Oxford/Amsterdam , London, pp.115-132, 2018

- IV. **: Long Term Energy Demand and Supply Projections and Evaluations for Turkey**
Kılıç M., Özdemir E.
in: Exergetic, Energetic and Environmental Dimensions, Dinçer, İ., Colpan, C.O. and Kızılkın, O., Editor, Elsevier-Academic Press, London, pp.115-132, 2018
- V. **Achieving Sustainable Buildings via Energy Efficiency Retrofit: Case Study of a Hotel Building**
KILIÇ M., ALTUN A. F.
in: Lecture Notes in Civil Engineering, Fırat S., Kinuthia J., Abu-Tair A., Editor, Springer, Cham, pp.97-107, 2018
- VI. **Achieving Green Building Standards via Energy Efficiency Retrofit: A Case Study of an Industrial Facility**
Kılıç M., Altun A. F.
in: Exergetic, Energetic and Environmental Dimensions, Dinçer, İ., Colpan, C.O. and Kızılkın, O., Editor, Elsevier Science, Oxford/Amsterdam , London, pp.97-107, 2018
- VII. **An Experimental Study on Adsorption Characteristics of R134a and R404a onto Granular and Pellet Type Activated Carbon**
Kılıç M., Gönül E.
in: Exergetic, Energetic and Environmental Dimensions, Dinçer, İ., Colpan, C.O. and Kızılkın, O., Editor, Elsevier Science, Oxford/Amsterdam , London, pp.751-761, 2018
- VIII. **Design of an Inlet Air-Cooling System for a Gas Turbine Power Plant**
Ünver Ü., Mert M. S. , Direk M., Yüksel F., Kılıç M.
in: Exergy for A Better Environment and Improved Sustainability 1, Aloui F., Dincer I., Editor, Springer, London/Berlin , Berlin, pp.1089-1100, 2018
- IX. **Investigation of Humidity Effects on the Thermal Comfort and Heat Balance of the Body**
Kaynaklı Ö., Mutlu M., Atmaca İ., Kılıç M.
in: Progress in Exergy, Energy, and the Environment, Dinçer, İ., Midilli, A. and Küçük, A., Editor, Springer, London/Berlin , Berlin, pp.421-434, 2014
- X. **Three-Dimensional Numerical Analysis of Thermal Output of a Steel Panel Radiator**
KILIÇ M., SEVİLGEN G., MUTLU M.
in: Progress in Exergy, Energy, and the Environment, Dinçer, İ., Midilli, A. and Küçük, A., Editor, Springer, pp.585-593, 2014
- XI. **Three-Dimensional Numerical Analysis of Thermal Output of a Steel Panel Radiator**
Kılıç M., Sevilgen G., Mutlu M.
in: Progress in Exergy Energy and the Environment, Dincer, İbrahim, Midilli, Adnan, Kucuk, Haydar, Editor, Springer-Verlag , Basel, pp.585-593, 2014
- XII. **Investigation of Humidity Effects on the Thermal Comfort and Heat Balance of the Body**
KAYNAKLI Ö., MUTLU M., ATMACA İ., KILIÇ M.
in: Progress in Exergy, Energy and the Environment, İbrahim Dinçer, Adnan Midilli, Haydar Küçük, Editor, Springer International Publishing, pp.421-434, 2014
- XIII. **Mathematical modeling of a small scale compressed air energy storage system**
KILIÇ M., KAMIŞ KOCABIÇAK Z., ERZAN TOPÇU E., MUTLU M.
in: Progress in Exergy Energy and the Environment Part II, , Editor, Springer International Publishing Switzerland, pp.477-486, 2014
- XIV. **Mathematical Modeling of a Small Scale Compressed Air Energy Storage System.**
Kılıç M., Kamyş Kocabiçak Z., Erzan Topçu E., Mutlu M.
in: Progress in Exergy, Energy, and the Environment, Dinçer, İ., Midilli, A. and Küçük, A., Editor, Springer, London/Berlin , Basel, pp.477-434, 2014
- XV. **Mathematical modeling of a small scale compressed air energy storage system**
KILIÇ M., KAMIŞ KOCABIÇAK Z., ERZAN TOPÇU E., mutlu m.
in: Progress in Exergy Energy and the Environment Part II, İbrahim Dinçer, Adnan Midilli, Haydar Küçük, Editor, Springer International Publishing, pp.477-486, 2014

- XVI. **Performance Estimation of Gas Turbine System via Degree-Day Method**
Ünver Ü., Kılıç M.
in: Progress in Exergy, Energy, and the Environment, Dinçer, İ., Midilli, A. and Küçük, A., Editor, Springer, London/Berlin, Basel, pp.585-593, 2014
- XVII. **Three Dimensional Numerical Analysis of Thermal Output of a Steel Panel Radiator**
KILIÇ M., SEVİLGEN G., MUTLU M.
in: Progress in Exergy, Energy and the Environment, İbrahim Dinçer, Adnan Midilli, Haydar Küçük, Editor, Springer International Publishing, pp.585-593, 2014
- XVIII. **Investigation of Humidity Effects on the Thermal Comfort and Heat Balance of the Body**
KAYNAKLI Ö., MUTLU M., ATMACA İ., KILIÇ M.
in: Progress in Exergy, Energy, and the Environment, Dinçer, İ., Midilli, A. and Küçük, A., Editor, Springer, pp.421-434, 2014
- XIX. **OTEKON'08 4th Automotive Technology Conference - Int. Journal of Vehicle Design - Special Issue**
Öztürk F. (Editor), Kılıç M. (Editor)
inderscience publishers, Geneve, 2010
- XX. **OTEKON 2010 5. Otomotiv Teknolojileri Kongresi Kongre Kitabı (Proceedings of the Automotive Technologies Congress)**
Solmaz E. (Editor), Öztürk F. (Editor), Kılıç M. (Editor)
Burkon, Bursa, 2010
- XXI. **OTEKON'08 4. Otomotiv Teknolojileri Kongresi Kongre Kitabı**
Kılıç M. (Editor), Öztürk F. (Editor)
Burkon, Bursa, 2008
- XXII. **OTEKON'06 Otomotiv Teknolojileri Kongresi Kongre Kitabı**
Kılıç M. (Editor), Öztürk F. (Editor)
Burkon, Bursa, 2006
- XXIII. **OTEKON'04 Otomotiv Teknolojileri Kongresi Kongre Kitabı**
Kılıç M. (Editor), Öztürk F. (Editor)
Burkon, Bursa, 2004
- XXIV. **OTEKON'02 Otomotiv Teknolojileri Kongresi Kongre Kitabı**
Kılıç M. (Editor)
Burkon, Bursa, 2002
- XXV. **OTEKON'02 Otomotiv Teknolojileri Kongresi Kitabı**
Kılıç M. (Editor), Öztürk F. (Editor), Avcı A. (Editor)
BURKON, Bursa, 2002

Refereed Congress / Symposium Publications in Proceedings

- I. **ELEKTRİKLİ ARAÇLARDA ISITMASOĞUTMA SİSTEMİ VE ENERJİ YÖNETİMİNİN MODELLENMESİ**
KILIÇ M., UÇAN B.
7. ULUSLARARASI 19 MAYIS YENİLİKÇİ BİLİMSEL YAKLAŞIMLAR KONGRESİ, Samsun, Turkey, 19 May 2022
- II. **The effect of blade structure and position in the radial fan impeller**
Kılıç M., Fidan S.
2nd International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 07 May 2022, vol.1, pp.53
- III. **Dynamic modelling of off-grid hybrid energy systems with different energy storage options by using either battery or hydrogen production**
Altun A. F. , Kılıç M.
The Sixth International Hydrogen Technologies Congress (IHTEC-2022), Çanakkale, Turkey, 23 - 26 January 2022, pp.1-5
- IV. **Comparative investigations of a mechanical and adsorption integrated refrigeration system performances using ammonia with different adsorbents**

Anjrini M., Kılıç M., Altun A. F.

The Sixth International Hydrogen Technologies Congress (IHTEC-2022), Çanakkale, Turkey, 23 - 26 January 2022, pp.6-10

- V. **MODELLING OF INDOOR AIR QUALITY IN A ROOM WITH AN AIR CLEANER**
Mutlu M., Altun A. F. , Kılıç M.
ULIBTK'21 Uluslararası Katılımlı 23. Isı Bilimi ve Tekniği Kongresi, 08-10 Eylül 2021, GAZİANTEP, Gaziantep, Turkey, 8 - 10 September 2021, vol.2, pp.1506-1513
- VI. **THE EFFECT OF THE UV AIR CLEANING DEVICES ON THE INDOOR AIR QUALITY**
Altun A. F. , Kılıç M., Mutlu M.
23. ISI BİLİMİ VE TEKNİĞİ KONGRESİ 23rd CONGRESS ON THERMAL SCIENCE AND TECHNOLOGY, Gaziantep, Turkey, 8 - 10 September 2021, pp.1-5
- VII. **NUMERICAL SIMULATION ON THE COLLECTION EFFICIENCY OF THE PARTICLES IN THE AIR BY THE WIRE-PLATEELECTROSTATIC PRECIPITATORS**
Kılıç M., Mutlu M., Altun A. F.
15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (ATE-HEFAT 2021), Johannesburg, South Africa, 26 - 28 July 2021, pp.1672-1676
- VIII. **EXPERIMENTAL EVALUATION OF CIGARETTE SMOKE REMOVAL PERFORMANCE OF VARIOUS INDOOR AIR CLEANING DEVICES**
KILIÇ M., MUTLU M., ALTUN A. F.
15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (ATE-HEFAT 2021), South Africa, 26 - 28 July 2021, pp.875-878
- IX. **EXPERIMENTAL EVALUATION OF CIGARETTE SMOKE REMOVAL PERFORMANCE OF VARIOUS INDOOR AIR CLEANING DEVICES**
Kılıç M., Mutlu M., Altun A. F.
The 15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2021), 26 - 28 July 2021, pp.875-878
- X. **The effect of duct shape on the heat dissipation performance of ventilated clutch pressure plate**
Çakmak T., Sevilgen G., Kılıç M., Pehlivan A. K.
Recent Innovations in Engineering and Technology, Tamil Nadu, India, 4 - 05 December 2020, pp.1-5
- XI. **Thermal investigations of the intermediate heat exchanger of the combined refrigeration system**
Anjrini M., KILIÇ M.
Alternative Energy Sources, Materials Technologies (AESMT'20), Varna, Bulgaria, 8 - 09 June 2020, pp.55-56
- XII. **Dynamic simulation and economic analysis of a hybrid stand-alone power system with hydrogen production and storage for various climates in Turkey.**
ALTUN A. F. , KILIÇ M.
Alternative Energy Sources, Materials Technologies (AESMT'20), Varna, Bulgaria, 8 - 09 June 2020, pp.71-72
- XIII. **Dynamic simulation and thermo-economic optimization of a hybrid stand-alone power system for various climates in Turkey**
ALTUN A. F. , KILIÇ M.
Alternative Energy Sources, Materials Technologies (AESMT'20), Varna, Bulgaria, 8 - 09 June 2020, pp.41-42
- XIV. **Comparative Performance Analysis of Two-Bed Adsorption Cooling System Using Water Vapor Adsorption on Different Types of Silica Gel**
Anjrini M., Kılıç M.
35th International Physics Congress (TPS35), Muğla, Turkey, 4 - 08 September 2019, vol.1, pp.355-363
- XV. **Design and Performance Evaluation of Liquid Cooling Blocks with Fins for Led Circuit Boards Used in Automotive Lighting Systems**
Aktaş M., Sevilgen G., Kılıç M.
22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, vol.1, pp.430-436
- XVI. **Thermodynamic Analysis of Combined Organic Rankine Cycle and Vapor Compression Refrigeration Cycle Using Low Grade Thermal Energy**
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- 22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, vol.1, pp.31-40
- XVII. **Wind Energy Generation and Potential Assessment of Armutlu District**
Altun A. F. , Kılıç M.
22nd Congress on Thermal Science and Technology, Kocaeli, Turkey, 11 - 14 September 2019, vol.1, pp.41-46
- XVIII. **Utilization of electrostatic precipitators for healthy indoor environments**
ALTUN A. F. , KILIÇ M.
13th REHVA World Congress, CLIMA 2019, Bucharest, Romania, 26 - 29 May 2019, vol.111
- XIX. **Dynamic simulation and parametric study of a single effect solar absorption cooling system**
ALTUN A. F. , KILIÇ M.
Alternative Energy Sources, Materials Technologies (AESMT'19), Sofya, Bulgaria, 3 - 04 June 2019, vol.1, pp.9-10
- XX. **Energy and exergy analysis of a real geothermal ORC power plant**
Altun A. F. , Kılıç M.
Alternative Energy Sources, Materials Technologies (AESMT'19), Sofija, Bulgaria, 3 - 04 June 2019, vol.1, pp.35-36
- XXI. **1D Analysis of Soaking and Cool Down Simulations**
Sevilgen G., Bayram H., Kılıç M.
Alternative Energy Sources, Materials Technologies (AESMT'19), Sofija, Bulgaria, 3 - 04 June 2019, pp.1-5
- XXII. **Air Source Heat Pump System Simulations of Electric Vehicles**
Bayram H., Sevilgen G., Kılıç M.
Alternative Energy Sources, Materials Technologies (AESMT'19), Bursa, Turkey, 3 - 04 June 2019
- XXIII. **Utilization of electrostatic precipitators for healthy indoor environments.**
ALTUN A. F. , KILIÇ M.
REHVA 13th HVAC World Congress (CLIMA 2019), Bükreş, Romania, 26 - 29 May 2019, pp.1-7
- XXIV. **Synthesis of knowledge on utilization of adsorption filters for healthy indoor environments.**
Altun A. F. , Kılıç M.
REHVA 13th HVAC World Congress (CLIMA 2019), Bucuresti, Romania, 26 - 29 May 2019, pp.223-229
- XXV. **The design and economic analysis of the shell-tube type heat exchanger for energy recovery from waste fluid in industry**
ÖZDEMİR E., KILIÇ M.
ZEUGMA II. Uluslararası Multidisipliner Çalışmalar Kongresi, Gaziantep, Turkey, 18 - 20 January 2019, vol.1, pp.1642-1654
- XXVI. **Thermodynamic analysis of a combined organic Rankine cycle and vapor compression refrigeration cycle for different working fluids.**
ÖZDEMİR E., KILIÇ M.
ZEUGMA II. Uluslararası Multidisipliner Çalışmalar Kongresi, Gaziantep, Turkey, 18 - 20 January 2019, vol.1, pp.1628-1641
- XXVII. **Liquid Cooling Performance of the Single and Multi Led Circuit Boards Used in Automotive Lighting Systems**
KILIÇ M., Aktas M., SEVİLGEN G.
4th International Conference on Smart and Sustainable Technologies (SpliTech), Croatia, 18 - 21 June 2019, pp.175-179
- XXVIII. **An investigation of the ammonia adsorption performance on different adsorbents for cooling applications.**
ALTUN A. F. , KILIÇ M.
Alternative Energy Sources, Materials Technologies (AESMT'18), Plovdiv, Bulgaria, 14 - 15 May 2018, vol.50, pp.45-52
- XXIX. **Simulation and thermodynamic analysis of an organic Rankine cycle configuration.**
ÖZDEMİR E., KILIÇ M.
Alternative Energy Sources, Materials Technologies (AESMT'18), Plovdiv, Bulgaria, 14 May - 15 April 2018, vol.50, pp.86-95
- XXX. **Comparative performance analysis of a two-bed adsorption cooling system with adsorption of different adsorbates on silica-gel.**

KILIÇ M.

Alternative Energy Sources, Materials Technologies (AESMT'18), Plovdiv, Bulgaria, 14 - 15 May 2018, vol.50, pp.102-110

- XXXI. **Renewable Energy Integration in Urban Systems: Case Study of Armutlu District.**
ALTUN A. F. , KILIÇ M.
3rd Conference of Interdisciplinary Research on Real Estate (2018 CIRRE Conference), Groningen, Netherlands, 20 - 21 September 2018, pp.197-209
- XXXII. **Thermodynamic analysis and working fluid selection of a cogeneration system driven by renewable energy.**
ÖZDEMİR E., KILIÇ M.
Alternative Energy Sources, Materials Technologies (AESMT'18), Plovdiv, Bulgaria, 14 - 15 May 2018, pp.29
- XXXIII. **Geçmişten günümüze otomobil aydınlatma sistemleri**
Şentürk S., Altun A. F. , Sevilgen G., Kılıç M.
OTEKON 2018, 9th International Automotive Technologies Congress, Bursa, Turkey, 7 - 08 May 2018, vol.1, pp.1844
- XXXIV. **Theoretical and experimental investigation of heat transfer in a shell and tube heat exchanger**
Bayram H., Sevilgen G., Kılıç M.
OTEKON 2018, 9th International Automotive Technologies Congress, Bursa, Turkey, 7 - 08 May 2018, pp.130-139
- XXXV. **A cfd study on cooling period of a railway vehicle**
Gürcan S., Bayram H., Sevilgen G., Kılıç M.
OTEKON 2018, 9th International Automotive Technologies Congress, Bursa, Turkey, 7 - 08 May 2018, pp.1747-1753
- XXXVI. **The numerical and experimental investigation of the thermal performance of led circuit boards used in automotive lighting systems**
Kılıç M., Aktaş M., Sevilgen G., Kaya Ş.
OTEKON 2018, 9th International Automotive Technologies Congress, Bursa, Turkey, 7 - 08 May 2018, vol.1, pp.1127-1133
- XXXVII. **Heat transfer enhancement in dry clutch pressure plate using ventilation channels**
Çakmak T., Sevilgen G., Kılıç M.
OTEKON 2018, 9th International Automotive Technologies Congress, Bursa, Turkey, 7 - 08 May 2018, vol.1, pp.1134-1140
- XXXVIII. **Klimatik kontrollü treyler içerisindeki hava akışının homojen sıcaklık dağılımı elde etmek amacıyla optimizasyonu.**
Güler T., KILIÇ M., Özcan E.
9th International Automotive Technologies Congress, Bursa, Turkey, 7 - 08 May 2018, vol.1, pp.492-502
- XXXIX. **Geothermal district heating systems design: Case study of Armutlu district.**
ALTUN A. F. , KILIÇ M.
(PT2018) 5th International Academic Conference on Places and Technologies, Belgrade, Serbia And Montenegro, 26 - 27 April 2018, vol.1, pp.148-156
- XL. **Energy efficiency analysis of residential buildings through transient simulation.**
ALTUN A. F. , KILIÇ M.
(PT2018) 5th International Academic Conference on Places and Technologies, Belgrade, Serbia And Montenegro, 26 - 27 April 2018, vol.1, pp.332-339
- XXLI. **Performance analysis of a combined organic rankine cycle and vapor compression cycle for using different refrigerants.**
ÖZDEMİR E., KILIÇ M.
(AES 2018) 4th Anatolian Energy Symposium with International Participation, Edirne, Turkey, 18 - 20 April 2018, vol.1
- XLII. **Bursa ilindeki bir konutun klima sistemi ile ısıtılmasının dinamik modellenmesi.**
MUTLU M., Çalıřkan E., KILIÇ M.
(AES 2018) 4th Anatolian Energy Symposium with International Participation, Edirne, Turkey, 18 - 20 April 2018

- XLIII. **Merkezi ısıtma sistemlerinin farklı çalışma sıcaklıkları için incelenmesi: Bir üniversite kampüsü tasarımı örneği.**
ALTUN A. F. , KILIÇ M.
(AES 2018) 4th Anatolian Energy Symposium with International Participation, Edirne, Turkey, 18 - 20 April 2018
- XLIV. **Liquid Cooling Applications On Automotive Exterior LED Lighting**
Aktas M., Senyuz T., Senyildiz T., KILIÇ M.
33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935
- XLV. **Achieving Sustainable Buildings via Energy Efficiency Retrofit: Case Study of a Hotel Building**
KILIÇ M., ALTUN A. F.
3rd International Sustainable Buildings Symposium (ISBS), U ARAB EMIRATES, 15 - 17 March 2017, vol.7, pp.97-107
- XLVI. **Design of an Inlet Air-Cooling System for a Gas Turbine Power Plant**
Unver U., Mert M. S. , Direk M., Yuksel F., KILIÇ M.
7th International Exergy, Energy and Environmental Symposium (IEEES), Valenciennes, France, 27 - 30 April 2015, pp.1089-1100
- XLVII. **A Comparative Experimental Study of the Thermal Performance of a Brazed Plate and a Double Pipe Heat Exchanger**
Bayram H., Sevilgen G., Kılıç M.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 19 - 21 December 2017
- XLVIII. **A comparative experimental study of the thermal performance of a brazed plate and a double pipe heat exchanger**
BAYRAM H., SEVİLGEN G., KILIÇ M.
Third International Conference on Advances in Mechanical Engineering :ICAME 2017, İstanbul, Turkey, 19 - 21 December 2017, pp.777-785
- XLIX. **Energy and exergy analysis of an Organic Rankine Cycle using different working fluids from waste heat recovery.**
ÖZDEMİR E., KILIÇ M.
International Conference on Engineering Technologies, Konya, Turkey, 7 - 09 December 2017, pp.689-695
- L. **Application of Sepiolite-Poly(vinylimidazole) composite for the removal of Cu(II) from aqueous solution: Isotherm and thermodynamics studies**
KARA A., TEKİN N., KILIÇ M., Dinibütün N., ŞAFAKLI A.
PPM 2017, The International Porous and Powder Materials Symposium and Exhibition, Kuşadası, Turkey, 12 - 15 September 2017
- LI. **Liquid cooling applications on automotive led lighting**
Aktas M., KILIÇ M., Şenyüz T., Şenyıldız T.
Turkish Physical Society 33rd International Physics Congress, Bodrum, Turkey, 6 - 10 September 2017, pp.373
- LII. **An Experimental Study on Adsorption Characteristics of R134a and R404a onto Silicagel Adsorbents**
KILIÇ M., Gönül E.
13th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT 2017), Portoroz, Slovenia, 17 - 19 July 2017, vol.1, pp.52-58
- LIII. **Clutch Transient Heat Transfer Simulation for Hill Start Vehicle Test Condition**
Çakmak T., KILIÇ M.
13th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT 2017), Portoroz, Slovenia, 17 - 19 July 2017, vol.1, pp.847-851
- LIV. **Utilization of Degree Day Method to Determine the Theoretical Maximum Production Potential of a Gas Turbine**
Ünver Ü., Keleşoğlu A., Kılıç M.
2nd International Multidisciplinary Conference on Computer and Energy Science (SpliTech 2017), Split, Croatia, 12 - 14 July 2017, pp.1-8

- LV. Tekstil sanayinde atık ısıdan enerji tasarrufunda gövde-boru tipi ısı deęiřtirici tasarımı ve maliyet analizi**
ÖZDEMİR E., KILIÇ M.
2nd International Congress on Engineering, Architecture and Design, Kocaeli, Turkey, 12 - 13 May 2017, vol.1, pp.753-754
- LVI. Thermodynamic analysis of basic and regenerative organic rankine cycles using dry fluids from waste heat recovery**
ÖZDEMİR E., KILIÇ M.
(ICTE 2017) 1st International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 - 28 April 2017, vol.1, pp.224-232
- LVII. Nano insulation materials for building energy efficiency**
ALTUN A. F. , KILIÇ M.
1st International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 - 28 April 2017, pp.25-28
- LVIII. Comparative analysis of central heating systems working with different flow temperature ranges: A case study of a university campus.**
ALTUN A. F. , KILIÇ M.
1st International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 - 28 April 2017, pp.837
- LIX. TÜRKİYE'DE KONUT SEKTÖRÜNDE UZUN DÖNEMLİENERJİ TALEP PROJEKSİYONLARI VEDEĞERLENDİRİLMESİ**
ÖZDEMİR E., KILIÇ M.
13. Ulusal Tesilat Mühendislięi Kongresi, Turkey, 19 - 22 April 2017, vol.1, pp.667-677
- LX. Otomobil Kabinleri İçerisinde Isıl Konfor Konusundaki Geliřmeler**
KORUKÇU M. Ö. , KILIÇ M.
13. Ulusal Tesilat Mühendislięi Kongresi, İzmir, Turkey, 19 - 22 April 2017, vol.1, pp.1129-1135
- LXI. Achieving sustainable buildings via energy efficiency retrofit: case study of a hotel building**
KILIÇ M., ALTUN A. F.
3rd International Sustainable Buildings Symposium, Dubai, United Arab Emirates, 15 - 17 March 2017
- LXII. A novel design of a compressed air storage system with liquid pistons**
KILIÇ M., Mutlu M.
XV International Scientific Conference Renewable Energy & Innovative Technologies (RE&IT- 2016), Smolyan, Bulgaria, 10 - 11 June 2016, vol.48, pp.318-324
- LXIII. Energy and exergy analysis of a double effect LiBr H₂O and LiCl H₂O chillers**
KILIÇ M., Ravul H. B.
XV International Scientific Conference Renewable Energy & Innovative Technologies (RE&IT- 2016), Smolyan, Bulgaria, 10 - 11 June 2016, vol.48, pp.312-317
- LXIV. Clutch pressure plate compactness effect on the clutch system heat dissipation**
Kılıç M., Çakmak T., Sevilgen G.
12th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2016), Malaga, Spain, 10 - 13 July 2016, pp.438-444
- LXV. Adsorption characteristics evaluation of R134a and R404a on different adsorbents**
KILIÇ M., Gönül E.
XV International Scientific Conference Renewable Energy & Innovative Technologies (RE&IT- 2016), Bulgaria, 10 - 11 June 2016, vol.48, pp.306-311
- LXVI. TRANSIENT THERMAL CFD ANALYSIS OF A DRY CLUTCH SYSTEM**
Çakmak T., Sevilgen G., Kılıç M.
OTEKON 2016, Bursa, Turkey, 23 - 24 May 2016
- LXVII. HEAT PUMP APPLICATIONS IN AUTOMOTIVE AIR CONDITIONING SYSTEMS**
Bayram H., Sevilgen G., Kılıç M.
OTEKON 2016, Bursa, Turkey, 23 - 24 May 2016
- LXVIII. OTOMOBİL SÜRÜCÜSÜNÜN SÜREKLİ REJİMDEKİ YEREL ISIL ALGISİNİN ÜÇ BOYUTLU SAYISAL İNCELENMESİ**

Mutlu M., Sevilgen G., Kılıç M.

OTEKON 2016, Bursa, Turkey, 23 - 24 May 2016

- LXIX. **Adsorption Properties of Silica Gel R134a Pair for Use in Cooling Systems**
Gönül E., KILIÇ M.
8th International Ege Energy Symposium & Exhibition, Afyon, Turkey, 11 - 13 May 2016, pp.228-233
- LXX. **A Study on Energy Consumption Audit and Improving Energy Efficiency in an Industrial Plant**
Çakmak T., KILIÇ M.
8th International Ege Energy Symposium & Exhibition, Afyon, Turkey, 11 - 13 May 2016, pp.277-281
- LXXI. **Long Term Energy Demand and Supply Projections and Evaluations for Turkey**
ÖZDEMİR E., KILIÇ M.
8th International Exergy, Energy and Environment Symposium(IEEES-8), Antalya, Turkey, 1 - 04 May 2016
- LXXII. **A study on adsorption characteristics of activated carbon R134a and activated carbon R404a pairs**
KILIÇ M., Gönül E.
(IEEES-8) 8th International Exergy, Energy and Environment Symposium, Antalya, Turkey, 1 - 04 May 2016
- LXXIII. **Long Term Energy Demand And Supply Projections and Evaluations for Turkey**
ÖZDEMİR E., KILIÇ M.
(IEEES-8) 8th International Exergy, Energy and Environment Symposium, Antalya, Turkey, 1 - 04 May 2016, pp.56-63
- LXXIV. **ACHIEVING SUSTAINABLE BUILDINGS VIA ENERGY EFFICIENCY RETROFIT A CASE STUDY OF AN INDUSTRIAL BUILDING**
KILIÇ M., ALTUN A. F.
8th International Exergy, Energy and Environment Symposium (IEEES 2016), Antalya, Turkey, 1 - 04 May 2016, pp.416-421
- LXXV. **FOTOVOLTAİK SİSTEMLERİN EKONOMİK ANALİZİ: TÜRKİYE'DEKİ BİR MÜSTAKİL KONUT ÖRNEĞİ**
MUTLU M., KILIÇ M.
3. Anadolu Enerji Sempozyumu, Turkey, 1 - 03 October 2015, vol.1, pp.284-291
- LXXVI. **SIVI PİSTON İLE HAVA SIKIŞTIRMA VE GENİŞLEME SÜRECİNİN MATEMATİKSEL MODELLENMESİ**
MUTLU M., KILIÇ M.
20. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 2 - 05 September 2015, pp.674-681
- LXXVII. **Design of an Inlet Air Cooling System for a Gas Turbine Power Plant**
Ünver Ü., Mert M. S., Direk M., Yüksel F., Kılıç M.
7th International Exergy, Energy and Environment Symposium, Valence, France, 27 - 30 April 2015, pp.1-8
- LXXVIII. **Adsorpsiyonlu Isı Pompaları İçin Farklı Adsorban Malzemelerin Geliştirilmesi ve Fizikokimyasal Uygulamaları**
KARA A., KILIÇ M., Dinibütün N., Gönül E.
Kromatografi 2015, 15. Ulusal Kromatografi Kongresi, Uşak, Turkey, 8 - 10 April 2015
- LXXIX. **Mathematical modeling of a small scale compressed air energy storage system(Bu bildiri 2014 yılında Progress in Exergy, Energy, and the Environment isimli kitapta bölüm olarak yayınlanmıştır.)**
KILIÇ M., KAMIŞ KOCABIÇAK Z., ERZAN TOPÇU E., Mutlu M.
Sixth International Exergy, Energy and Environment Symposium (IEEES-6), Rize, Turkey, 1 - 04 July 2013, pp.999-1008
- LXXX. **MATHEMATICAL MODELING OF A SMALL SCALE COMPRESSED AIR ENERGY STORAGE SYSTEM**
KILIÇ M., KAMIŞ KOCABIÇAK Z., ERZAN TOPÇU E., Mutlu M.
The Sixth International Exergy, Energy and Environment Symposium, Rize, Turkey, 1 - 04 July 2013, pp.1063-1072
- LXXXI. **Investigation of humidity effects on the thermal comfort and heat balance of the body**
Kaynaklı Ö., Mutlu M., Atmaca İ., Kılıç M.
The Sixth International Exergy, Energy and Environment Symposium (IEEES-6), Kayseri, Turkey, 1 - 04 July 2013, pp.560-568
- LXXXII. **Fotovoltaik Sistemler için Depolama Sistemlerinin Karşılaştırılması**
MUTLU M., KILIÇ M.
2.Anadolu Sempozyumu, France, 01 May 2013

- LXXXIII. **Sıkıştırılmış Hava İle Elektrik Enerjisi Depolama Sistemi**
KILIÇ M., KAMIŞ KOCABIÇAK Z., ERZAN TOPÇU E., MUTLU M., ÖZCAN F.
Uludağ Üniversitesi II. Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 13 - 15 November 2012
- LXXXIV. **Küçük ölçekli hidro-pnömatik bir enerji depolama sisteminin tasarımı ve modellenmesi**
KILIÇ M., ERZAN TOPÇU E., KAMIŞ KOCABIÇAK Z., TEKİN İ., Mutlu M., ÖZCAN F.
Uludağ Üniversitesi II. Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 13 - 15 November 2012
- LXXXV. **Değişik Yapı Bileşenleri Kullanılarak Yerden Isıtma Yapılan Bir Ofis İçerisindeki Konfor Koşullarının Sayısal Analizi**
KORUKÇU M. Ö. , KILIÇ M.
1. Ulusal İklimlendirme Soğutma Eğitimi Sempozyumu, Balıkesir, Turkey, 13 - 15 September 2012, pp.795-804
- LXXXVI. **Soğutma Sürecinde Otomobil Kabini İçerisindeki İç Hava Kalitesinin İncelenmesi**
Korukçu M. Ö. , Mutlu M., Kılıç M.
6. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 4 - 05 June 2012, pp.1-6
- LXXXVII. **Yerden Isıtma Yapılan Bir Ofis İçerisindeki Konfor Koşullarının Sayısal Analizi**
Korukçu M. Ö. , Kılıç M., Fan J.
10. Uluslararası Yapıda Tesisat Teknolojisi Sempozyumu, İstanbul, Turkey, 30 April - 02 May 2012, pp.466-477
- LXXXVIII. **Bursa İlinde Rüzgar Enerjisi Potansiyeli ve Kullanımı**
KORUKÇU M. Ö. , KILIÇ M.
Rüzgar Enerjisi ve Türbinleri Yerel Sempozyumu, Bandırma, Turkey, 11 - 12 March 2011, pp.73-78
- LXXXIX. **İçinde Oturan İnsan Olan Radyatörle Isıtılan Bir Odadaki Isıl Konfor Akış Ve Isı Transferinin Üç Boyutlu Sayısal Analizi**
Kılıç M., Sevilgen G.
IX. Ulusal Tesisat Mühendisliği Kongresi (TESKON2009), İzmir, Turkey, 6 - 09 May 2009, pp.559-568
- XC. **Otomobil Kabini İçerisindeki Yüzeylerin anlık Sıcaklık Dağılımlarının Termografik Yöntemle Belirlenmesi**
KILIÇ M., KORUKÇU M. Ö.
4. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 1 - 04 June 2008, pp.517-521
- XCI. **Otomobil Kabini İçerisindeki CO2 Yayınımının İncelenmesi**
KORUKÇU M. Ö. , KILIÇ M.
4. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 1 - 04 June 2008, pp.271-278
- XCII. **Sıcak Rüzgarların Yüz Sıcaklığına Etkisinin Deneysel İncelenmesi**
KORUKÇU M. Ö. , KILIÇ M.
8. Uluslararası Yapıda Tesisat ve Teknolojileri Sempozyumu, İstanbul, Turkey, 12 - 14 May 2008, pp.238-246
- XCIII. **İnsan Vücudundan ortama taşınım ışınım ve nem transferi ile gerçekleşen ısı transferinin birleşik modellemeyle üç boyutlu sayısal çözümlemesi**
Sevilgen G., Kılıç M.
VIII. Ulusal Tesisat Mühendisliği Kongresi (TESKON2007), İzmir, Turkey, 25 - 28 October 2007, pp.341-354
- XCIV. **Computation of heat transfer for two discs rotating at different speeds**
KILIÇ M., Michael Owen J.
2003 ASME Turbo Expo, Atlanta, GA, United States Of America, 16 - 19 June 2003, pp.889-897
- XCV. **Exergy Analysis of a Lithium Bromide Water Absorption Refrigeration System**
KAYNAKLI Ö., ÜNVER Ü., KILIÇ M.
IEEEES-1 The First International Exergy, Energy and Environment Symposium, France, 13 - 17 July 2003
- XCVI. **Calculation of Thermal Comfort Zones with the Ambient Parameters**
Kaynaklı Ö., Ünver Ü., Kılıç M.
IEEEES-1 The First International Exergy, Energy and Environment Symposium, Paris, France, 13 - 17 July 2003, pp.769-773
- XCVII. **Computation of Heat Transfer Between Two Discs Rotating at Different Speeds**
KILIÇ M., OWEN J.
ASME/IGTI TURBO EXPO 2003, Atlanta, United States Of America, 16 - 19 June 2003
- XCVIII. **Computation of flow between two discs rotating at different speeds**

KILIÇ M., Owen J. M.

ASME TURBO EXPO 2002: Heat Transfer, Manufacturing Materials and Metallurgy, Amsterdam, Netherlands, 3 - 06 June 2002, pp.749-760

XCIX. Otomobil içinde ısıtma ve soğutma süreçlerinde ısı konforun simülasyonu

KAYNAKLI Ö., ÜNVER Ü., KILIÇ M.

OTEKON'02 Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 24 - 26 June 2002, pp.161-0

C. Ters Akışlı Kazanlarda Brülör Namlusu Dalma Uzunluğunun Isı Taşınımına Etkisi

KILIÇ M., AVCI A.

10. Ulusal Isı Bilimi ve Tekniği Kongresi, Turkey, 6 - 08 September 1995, vol.2, pp.1199-1205

CI. Computation of Flow in Rotating Disc Systems

Wilson M., Kılıç M., Owen M.

Proceedings of the 1992 International Symposium on Heat Transfer in Turbomachinery, Mesolongion, Greece, 24 - 28 August 1994, pp.577-590

CII. Turbulent flow between two discs contra-rotating at differential speeds

Kills M., Gan X., Owen J. M.

ASME 1994 International Gas Turbine and Aeroengine Congress and Exposition, GT 1994, The Hague, Netherlands, 13 - 16 June 1994, vol.1

CIII. Turbulent flow between two discs contra-rotating at differential speeds

Kilic M., Gan X., Owen J.

Proceedings of the International Gas Turbine and Aeroengine Congress and Exposition, Hague, Neth, 13 - 16 June 1994, pp.1-8

CIV. Flow and Heat Transfer Between Gas Turbine Discs

GAN X., KILIÇ M., OWEN J.

AGARD-CP-527, France, 12 - 16 October 1992, pp.25-0

CV. Flow between contra-rotating discs

Gan X., Kilic M., Owne M.

International Gas Turbine and Aeroengine Congress and Exposition, Cincinnati, OH, USA, 24 - 27 May 1993, pp.1-10

CVI. Flow between contra-rotating discs

Gan X., Kilic M., Owen J. M.

ASME 1993 International Gas Turbine and Aeroengine Congress and Exposition, GT 1993, Ohio, United States Of America, 24 - 27 May 1993

Supported Projects

KILIÇ M., KARPAT E., ÇETİN KORUKÇU M., MUTLU M., TÜBİTAK - AB COST Project, İç Ortamlar İçin Taşınabilir Hava Temizleme Sistemi Tasarımı Ve Prototip İmalatı, 2019 - 2021

Altun A. F. , Kılıç M., TUBITAK Project, Küçük Ölçekli Yerleşim Bölgelerinin Enerji İhtiyaçlarının %100 Yerel, Yenilenebilir Kaynaklar İle Sağlanabilmesi İçin Sürdürülebilir Bir Enerji Modelinin Geliştirilmesi, 2019 - 2020

Çakmak T., Kılıç M., Sevilgen G., TUBITAK Project, TÜBİTAK 1511 Ağır vasıta araçlar için hafif ve dayanıklı debriyaj döküm plakası geliştirilmesi ve prototip üretimi (Proje Danışmanlığı), 2018 - 2020

Kılıç M., Sevilgen G., Korukçu M. Ö. , TUBITAK Project, TÜBİTAK 1505 Otomotiv Led Aydınlatma Ürünleri İçin Yenilikçi Soğutma Sistemi Geliştirilmesi, Tasarımı Ve Prototip İmalatı, 2017 - 2020

Kılıç M., Sevilgen G., Project Supported by Other Official Institutions, DURMAZLAR VAGON KLİMA SİSTEMİNİN ISIL KONFOR KOŞULLARINI SAĞLAMASI İÇİN HAVA DAĞITIM VE TOPLAMA ÜNİTELERİNİN TASARIM İYİLEŞTİRİLMESİ ARAŞTIRMA-GELİŞTİRME PROJESİ, 2018 - 2019

Kılıç M., TUBITAK Project, ABSORPSİYONLU SOĞUTUCU PROTOTİP TASARIMI, 2017 - 2018

KILIÇ M., Project Supported by Higher Education Institutions, Adsorpsiyonlu Soğutucuların Termodinamik Modellenmesi ve Optimizasyonu İçin Yazılım Geliştirme, 2015 - 2017

KILIÇ M., Project Supported by Higher Education Institutions, İş yapan Akışkan Olarak LiBr Su ve LiCl Su Çifti Kullanan Adsorpsiyonlu Soğutma Sistemlerinin Enerji ve Ekserji Analizleri Yapılarak Performanslarının Karşılaştırılması, 2016 -

2016

Sevilgen G., Kılıç M., Project Supported by Higher Education Institutions, BAP Projesi (KUAP OGMYO 2012/75)
Otomobillerde Camlar Üzerinde Oluşan Buğunun Hızlı Olarak Giderilmesinde Menfez Geometrisi Hava Hız Nem ve Sıcaklığın Etkisinin HAD Yöntemi İle Analizi, 2012 - 2016

Kılıç M., Project Supported by Higher Education Institutions, Güneş Enerjili Araçlar İçin Yüksek verimli Fırçasız Doğru Akım Motor Uygulamaları, 2013 - 2015

Kılıç M., Erzan Topçu E., Kamış Kocacıbağ Z., Tekin İ., TÜBİTAK - AB COST Project, Sıvı pistonlu sıkıştırılmış hava superkapasitör kullanan küçük ölçekli hibrit enerji depolama sisteminin tasarımı prototip imalatı ve performans analizi, 2011 - 2014

Kılıç M., Industrial Thesis Project, Basınçlı Hava Kurutucusu Tasarımı ve Prototip İmalatı T C Sanayi ve Ticaret Bakanlığı SANTEZ Projesi, 2011 - 2012

Kılıç M., Project Supported by Higher Education Institutions, Tekstil Endüstrisinde Atık Isının Absorpsiyonlu Sistemler ile Geri Kazanımı İçin Simülasyon Programı, 2010 - 2012

Kılıç M., Project Supported by Higher Education Institutions, Gözenekli Yalıtım Malzemelerinde Etketif Isı İletim Katsayısı Üzerine Yapı ve İşletme Parametrelerinin Etkisinin İncelenmesi, 2008 - 2010

KILIÇ M., TUBITAK Project, Otomobillerde ısı konfor parametrelerinin deneysel ve sayısal analizi, 2006 - 2009

Akincitürk E. N. , Kılıç M., Babalık F., Taş M., Taş N., Perker Z. S. , Project Supported by Higher Education Institutions, Bursa Cumalıkızık Köyü Örneğinde Tarihi Yapılarda Yangın Güvenlik Önlemleri ve Yangından Korunma Projesi, 1999 - 2004

Kılıç M., Yamankaradeniz R., Municipality, Bursa Metropolitan Municipality Fire Protection and Reorganization of Fire Brigade Research Project, 1994 - 1995

Patent

Kılıç M., Sevilgen G., YENİ BİR BASKI PLAKASI, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Registration Number: TR 2016 04123 B , Standard Registration, 2020

Activities in Scientific Journals

SUSTAINABILITY, Special Issue Editor, 2021 - Continues

Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, Advisory Committee Member, 2016 - Continues

International Journal Of Vehicle Design, Special Issue Editor, 2010 - 2010

Memberships / Tasks in Scientific Organizations

Turkish Society of HVAC & Sanitary Engineers, Member, 1997 - Continues, Turkey

Turkish Society for Thermal Sciences and Technology, Member, 1995 - Continues, Turkey

Chamber of Turkish Mechanical Engineers, Member, 1994 - Continues, Turkey

Scientific Refereeing

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, April 2022

ENERGY, SCI Journal, December 2021

ENERGIES, Journal Indexed in SCI-E, December 2021

ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, December 2021

RENEWABLE AND SUSTAINABLE ENERGY REVIEWS, Journal Indexed in SCI-E, December 2021

INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, Journal Indexed in SCI-E, November 2021

CASE STUDIES IN THERMAL ENGINEERING, Journal Indexed in SCI-E, November 2021

ENERGY, SCI Journal, November 2021
INTERNATIONAL JOURNAL OF PHOTOENERGY, Journal Indexed in SCI-E, November 2021
ENERGY, SCI Journal, November 2021
Project Supported by Higher Education Institutions, BAP Research Project, Bursa Uludağ University, Turkey, November 2021
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, November 2021
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, November 2021
SUSTAINABILITY, Journal Indexed in SSCI, October 2021
APPLIED ENERGY, Journal Indexed in SCI-E, October 2021
ENERGY, Journal Indexed in SCI-E, October 2021
ENERGY, Journal Indexed in SCI-E, October 2021
CASE STUDIES IN THERMAL ENGINEERING, Journal Indexed in SCI-E, September 2021
ENERGY, Journal Indexed in SCI-E, September 2021
APPLIED THERMAL ENGINEERING, Journal Indexed in SCI-E, September 2021
ADVANCES IN MECHANICAL ENGINEERING, Journal Indexed in SCI-E, September 2021
APPLIED THERMAL ENGINEERING, Journal Indexed in SCI-E, September 2021
ASHRAE JOURNAL, Journal Indexed in SCI-E, September 2021
CASE STUDIES IN THERMAL ENGINEERING, Journal Indexed in SCI-E, September 2021
ENERGY, Journal Indexed in SCI-E, August 2021
CASE STUDIES IN THERMAL ENGINEERING, Journal Indexed in SCI-E, August 2021
APPLIED ENERGY, Journal Indexed in SCI-E, August 2021
ENERGY, Journal Indexed in SCI-E, August 2021
CASE STUDIES IN THERMAL ENGINEERING, Journal Indexed in SCI-E, August 2021
ENERGY CONVERSION AND MANAGEMENT, Journal Indexed in SCI-E, August 2021
ENERGY, Journal Indexed in SCI-E, August 2021
ENERGY, Journal Indexed in SCI-E, August 2021
SCIENTIFIC REPORTS, Journal Indexed in SCI-E, August 2021
ENERGY, Journal Indexed in SCI-E, August 2021
ENERGY, Journal Indexed in SCI-E, August 2021
RENEWABLE AND SUSTAINABLE ENERGY REVIEWS, Journal Indexed in SCI-E, July 2021
RENEWABLE AND SUSTAINABLE ENERGY REVIEWS, Journal Indexed in SCI-E, July 2021
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, July 2021
JOURNAL OF CLEANER PRODUCTION, SCI Journal, May 2021
RENEWABLE ENERGY, SCI Journal, May 2021
ENERGY, SCI Journal, May 2021
APPLIED ENERGY, SCI Journal, May 2021
Interfacial Phenomena and Heat Transfer, Journal Indexed in ESCI, May 2021
HEAT AND MASS TRANSFER, SCI Journal, May 2021
JOURNAL OF CLEANER PRODUCTION, SCI Journal, May 2021
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, May 2021
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Bursa Uludağ University, Turkey, May 2021
Proceedings Of The Institution Of Mechanical Engineers Part C-Journal Of Mechanical Engineering Science, SCI Journal, April 2021
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, April 2021
JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME, SCI Journal, April 2021
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, April 2021
HEAT AND MASS TRANSFER, SCI Journal, March 2021
ENERGY, SCI Journal, March 2021
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, SCI Journal, March 2021
TÜBİTAK International Bilateral Joint Cooperation Program Project, 2535 TÜBİTAK-İRAN MSRT, Bursa Uludağ

University, Turkey, March 2021

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, March 2021

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Bursa Uludağ University, Turkey, March 2021

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, February 2021

APPLIED ENERGY, SCI Journal, January 2021

RENEWABLE ENERGY, SCI Journal, January 2021

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, Journal Indexed in SCI-E, October 2020

SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT, Journal Indexed in SCI-E, September 2020

JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, September 2020

HEAT AND MASS TRANSFER, SCI Journal, September 2020

RENEWABLE ENERGY, Journal Indexed in SCI-E, September 2020

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Journal Indexed in SCI-E, September 2020

APPLIED ENERGY, Journal Indexed in SCI-E, September 2020

ENERGY, Journal Indexed in SCI-E, September 2020

ENERGY CONVERSION AND MANAGEMENT, Journal Indexed in SCI-E, September 2020

TUBITAK Project, 1002 - Quick Support Program, Bursa Uludağ University, Turkey, August 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Bursa Uludağ University, Turkey, June 2020

APPLIED THERMAL ENGINEERING, Journal Indexed in SCI-E, January 2020

TÜBİTAK International Multi-Cooperation Project, ERA.NET Project, Bursa Uludağ University, Turkey, March 2019

Tasks In Event Organizations

Kılıç M., 23rd Congress on Thermal Science and Technology (ULIBTK 2021), Scientific Congress, Gaziantep, Turkey, Eylül 2021

Kılıç M., 15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (ATE-HEFAT 2021), Scientific Congress, Cape-Town, South Africa, Temmuz 2021

Kılıç M., ALTERNATIVE ENERGY SOURCES, MATERIALS AND TECHNOLOGIES (AESMT'21), Scientific Congress, Ruse, Bulgaria, Haziran 2021

Kılıç M., 5th International Anatolian Energy Symposium 24-26 March 2021, Scientific Congress, Trabzon, Turkey, Mart 2021

Kılıç M., Alternative Energy Sources, Materials & Technologies (AESMT'19), Scientific Congress, Sofija, Bulgaria, Haziran 2019

Kılıç M., Alternative Energy Sources, Materials & Technologies (AESMT'18), Scientific Congress, Plovdiv, Bulgaria, Mayıs 2018

Kılıç M., 4. Uluslararası Katılımlı Anadolu Enerji Sempozyumu, Scientific Congress, Edirne, Turkey, Nisan 2018

Kılıç M., OTEKON'12 6. Otomotiv Teknolojileri Kongresi, 2012, Scientific Congress, Bursa, Turkey, Haziran 2012

Kılıç M., OTEKON'10 5. Otomotiv Teknolojileri Kongresi, 2010, Scientific Congress, Bursa, Turkey, Haziran 2010

Kılıç M., OTEKON'08 4. Otomotiv Teknolojileri Kongresi, 2008, Scientific Congress, Bursa, Turkey, Haziran 2008

Kılıç M., OTEKON'06 3. Otomotiv Teknolojileri Kongresi, 2006, Scientific Congress, Bursa, Turkey, Haziran 2006

Kılıç M., Otomotiv Teknolojileri Kongresi (OTEKON 2004), Scientific Congress, Bursa, Turkey, Haziran 2004

Kılıç M., 1. OTEKON'02 Otomotiv Teknolojileri Kongresi, 2002, Scientific Congress, Bursa, Turkey, Haziran 2002

Metrics

Publication: 220

Citation (WoS): 970

Citation (Scopus): 1174

H-Index (WoS): 17

H-Index (Scopus): 20

Congress and Symposium Activities

23rd CONGRESS ON THERMAL SCIENCE AND TECHNOLOGY, Attendee, Gaziantep, Turkey, 2021
15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (ATE-HEFAT 2021), Attendee, Cape-Town, South Africa, 2021
the 15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2021), Session Moderator, Cape-Town, South Africa, 2021
22nd Congress on Thermal Science and Technology, Session Moderator, Kocaeli, Turkey, 2019
4th International Conference on Smart and Sustainable Technologies (SpliTech 2019), Session Moderator, Split, Croatia, 2019
REHVA 13th HVAC World Congress (CLIMA 2019), Attendee, Bucuresti, Romania, 2019
3rd Conference of Interdisciplinary Research on Real Estate (2018 CIRRE Conference), Session Moderator, Groningen, Netherlands, 2018
Alternative Energy Sources, Materials & Technologies (AESMT'18), Invited Speaker, Plovdiv, Bulgaria, 2018
12th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2016), Session Moderator, Malaga, Spain, 2016
XV International Scientific Conference Renewable Energy & Innovative Technologies (RE&IT- 2016), Session Moderator, Smoljan, Bulgaria, 2016
8th International Exergy, Energy and Environment Symposium, Session Moderator, Antalya, Turkey, 2016

Scholarships

Doktora Bursu, YOK, 1989 - 2003

Awards

Kılıç M., En iyi akademisyen, Bursa Uludağ Üniversitesi, November 2021
Kılıç M., Mutlu M., Altun A. F. , BEST PAPER AWARD, The 15Th International Conference On Heat Transfer, Fluid Mechanics And Thermodynamics (Hefat) And Editorial Board Of Applied Thermal Engineering (Ate), July 2021
Kılıç M., Top Reviewers in Cross Field 2019, Clarivate Analytics Company, September 2019
Kılıç M., Top Reviewer in Engineering, Publons, September 2019
Kılıç M., Proje Performans Ödülü, Tübitak, November 2018
Kılıç M., Top Reviewers in Engineering 2018, Clarivate Analytics Company, September 2018
Kılıç M., • Uludağ Üniversitesi, Uludağ'ın Zirvesindekiler, Bilim, Sanat, Hizmet, Teşvik ve Başarı Yönergesi uyarınca 2013 Yılı Fen Bilimleri Alanında Bilim ve Sanat Kategorisi Ödülü., Bursa Uludağ Üniversitesi, October 2014
Kılıç M., • Uludağ Üniversitesi, Uludağ'ın Zirvesindekiler, Bilim, Sanat, Hizmet, Teşvik ve Başarı Yönergesi uyarınca 2012 Yılı Fen Bilimleri Alanında Proje Kategorisi Ödülü., Bursa Uludağ Üniversitesi, October 2012
Kılıç M., • TMMOB Makine Mühendisleri Odası Meslekte 25 Yıl Hizmet Ödülü., Tmmob Makine Mühendisleri Odası, December 2011

Non Academic Experience

European Union, COST, COST Action CA17136
European Union, COST, COST Action TU1205
TUBITAK, KAMAG, KAMAG