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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: HPH-3328-2023

Yoksis Researcher ID: 194868

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (Dr), Turkey 2014 - 2020

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Makine Mühendisliği (YL), Turkey 2012 - 2014

Undergraduate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, Turkey 2008 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, TAŞIT RADYATÖRLERİNDE ISIL PERFORMANS OPTİMİZASYONUNUN DENEYSEL VE NÜMERİK OLARAK İNCELENMESİ, Bursa Uludağ University, 2020

Postgraduate, Otomobil radyatörlerinin ısı performans optimizasyonunun nümerik incelenmesi, Bursa Uludağ University, 2014

Research Areas

Mechanical Engineering, Energy, Thermodynamics, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2023 - Continues

Lecturer PhD, Bursa Uludağ University, GEMLİK ASIM KOCABIYIK MYO, ELEKTRİK VE ENERJİ BÖLÜMÜ, 2020 - 2023

Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, MAKİNA MÜHENDİSLİĞİ, 2013 - 2020

Courses

Mesleki Matematik 1, Associate Degree, 2021 - 2022

Termodinamik, Undergraduate, 2021 - 2022

Bilgisayar Programlamaya Giriş, Undergraduate, 2021 - 2022

Bilgi ve İletişim Teknolojisi, Associate Degree, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multi-Objective Optimization of Building Design Parameters for Cost Reduction and CO₂ Emission Control Using Four Different Algorithms**
Canbolat A. S., Albak E. İ.
APPLIED SCIENCES-BASEL, vol.14, no.17, 2024 (SCI-Expanded)
- II. **Comprehensive Cost–Energy Evaluation of Wall Insulation for Diverse Orientations and Seasonal Usages**
Canbolat A. S.
APPLIED SCIENCES, vol.14, no.18, pp.1-21, 2024 (SCI-Expanded)
- III. **An integrated assessment of the financial and environmental impacts of exterior building insulation application**
CANBOLAT A. S.
Journal of Cleaner Production, vol.435, 2024 (SCI-Expanded)
- IV. **A modeling of electricity generation by using geothermal assisted organic Rankine cycle with internal heat recovery**
Canbolat A. S., Bademlioglu A. H., Kaynakli Ö.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.45, no.1, pp.212-228, 2023 (SCI-Expanded)
- V. **Thermohydraulic Performance Optimization of Automobile Radiators Using Statistical Approaches**
CANBOLAT A. S., Bademlioglu A. H., KAYNAKLI Ö.
JOURNAL OF THERMAL SCIENCE AND ENGINEERING APPLICATIONS, vol.14, no.5, 2022 (SCI-Expanded)
- VI. **Multi-objective optimization of parameters affecting Organic Rankine Cycle performance characteristics with Taguchi-Grey Relational Analysis**
Bademlioglu A. H., Canbolat A. S., Kaynakli Ö.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.117, 2020 (SCI-Expanded)
- VII. **INVESTIGATION OF PARAMETERS AFFECTING THE OPTIMUM THERMAL INSULATION THICKNESS FOR BUILDINGS IN HOT AND COLD CLIMATES**
CANBOLAT A. S., Bademlioglu A. H., SAKA K., KAYNAKLI Ö.
THERMAL SCIENCE, vol.24, no.5, pp.2891-2903, 2020 (SCI-Expanded)
- VIII. **Performance optimization of absorption refrigeration systems using Taguchi, ANOVA and Grey Relational Analysis methods**
Canbolat A. S., Bademlioglu A. H., Arslanoglu N., Kaynakli Ö.
JOURNAL OF CLEANER PRODUCTION, vol.229, pp.874-885, 2019 (SCI-Expanded)
- IX. **A PARAMETRIC ANALYSIS OF THE PERFORMANCE OF ORGANIC RANKINE CYCLE WITH HEAT RECOVERY EXCHANGER AND ITS STATISTICAL EVALUATION**
Bademlioglu A. H., CANBOLAT A. S., YAMANKARADENİZ N., KAYNAKLI Ö.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.39, no.2, pp.121-135, 2019 (SCI-Expanded)
- X. **Numerical Investigation of Multiphase Transport Model for Hot-Air Drying of Food**
TÜRKAN B., CANBOLAT A. S., ETEMOĞLU A. B.
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGISİ, vol.25, no.4, pp.518-529, 2019 (SCI-Expanded)
- XI. **Investigation of parameters affecting Organic Rankine Cycle efficiency by using Taguchi and ANOVA methods**
Bademlioglu A. H., Canbolat A. S., Yamankaradeniz N., Kaynakli Ö.

APPLIED THERMAL ENGINEERING, vol.145, pp.221-228, 2018 (SCI-Expanded)

XII. NUMERICAL INVESTIGATION INTO THERMAL PERFORMANCE PARAMETERS OF AUTOMOBILE RADIATORS

CANBOLAT A. S., TÜRKAN B.

ISI BİLİMİ VE TEKNİĞİ DERGİSİ-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.36, no.2, pp.29-40, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **WALL INSULATION TYPES AND CO₂ EMISSIONS: A STUDY WITHIN THE FRAMEWORK OF INDIVIDUAL IMPROVEMENTS COMPLEMENTARY TO THE CARBON BORDER ADJUSTMENT MECHANISM**
Canbolat A. S.
Kahramanmaraş Sütçü İmam Üniversitesi Fen ve Mühendislik Dergisi, vol.27, no.3, pp.861-872, 2024 (Peer-Reviewed Journal)
- II. **Klima Cihazı Üfleme Çıkış Açısının Isıl Konfor Üzerindeki Etkisinin Nümerik Olarak İncelenmesi**
Canbolat A. S., Kaynaklı Ö., Türkan B., Yamankaradeniz N.
Tesisat Mühendisliği, vol.26, no.169, pp.31-38, 2019 (Peer-Reviewed Journal)
- III. **3-D simulation of simultaneous heat and mass transfer of apple**
TÜRKAN B., CANBOLAT A. S., ETEMOĞLU A. B.
Bulgarian Chemical Communications, vol.50, pp.215-224, 2018 (Scopus)
- IV. **BİNA DIŞ DUVARLARINDA YOĞUŞMA DİKKATE ALINARAK GEREKLİ YALITIM KALINLIĞININ BELİRLENMESİ: BİTLİS İLİ İÇİN ÖRNEK ÇALIŞMA**
BADEMLİOĞLU A. H., CANBOLAT A. S., KAYNAKLI Ö.
Uludağ University Journal of The Faculty of Engineering, vol.23, no.3, pp.333-340, 2018 (Peer-Reviewed Journal)
- V. **ENERGY POTENTIAL OF ANIMAL BIOMASS IN TURKEY**
SAKA K., YILMAZ İ. H., CANBOLAT A. S., KAYNAKLI Ö.
European Journal of Technique, vol.8, no.2, pp.160-167, 2018 (Peer-Reviewed Journal)
- VI. **Determination of Proper Insulation Thickness for Building Walls Regarding Economic Consideration**
CANBOLAT A. S., BADEMLİOĞLU A. H., KAYNAKLI Ö.
International Research Journal of Advanced Engineering and Science, vol.3, no.4, pp.173-176, 2018 (Peer-Reviewed Journal)
- VII. **Calculation of Optimum Insulation Thickness Using the Heating Degree-Days Method for the Different Cost Approaches**
BADEMLİOĞLU A. H., CANBOLAT A. S., KAYNAKLI Ö.
International Research Journal of Advanced Engineering and Science, vol.3, no.4, pp.189-192, 2018 (Peer-Reviewed Journal)
- VIII. **Araç Fren Sistemlerinin Isıl Performansının Parametrik Olarak İncelenmesi**
ETEMOĞLU A. B., ETEMOĞLU N., TÜRKAN B., CANBOLAT A. S.
El-Cezeri Fen ve Mühendislik Dergisi, vol.5, no.2, pp.556-565, 2018 (Peer-Reviewed Journal)
- IX. **FARKLI İKLİMSEL BÖLGELERDE BULUNAN BİNALARDA YAPILAN YALITIMIN TERMAL VE EKONOMİK ANALİZİ**
CANBOLAT A. S., TÜRKAN B., KAYNAKLI Ö., ETEMOĞLU A. B., YAMANKARADENİZ R.
Engineering Sciences, vol.13, no.2, pp.67-74, 2018 (Peer-Reviewed Journal)
- X. **Odun İçerisindeki Sıcaklık Dağılımına Etki Eden Parametrelerin Farklı Sonlu Elemanlar Yazılımları İle İncelenmesi**
CANBOLAT A. S., TÜRKAN B., KAYNAKLI Ö., ETEMOĞLU A. B.
El-Cezeri Fen ve Mühendislik Dergisi, vol.5, no.1, pp.65-79, 2018 (Peer-Reviewed Journal)
- XI. **AN EVALUATION ON SOLAR POWERED HYDROGEN PRODUCTION**
SAKA K., CANBOLAT A. S.
The International Journal of Energy Engineering Sciences, vol.3, no.2, pp.26-35, 2018 (Peer-Reviewed Journal)

- XII. **TÜRKİYE'DEKİ TÜM İLLER İÇİN OPTİMUM YALITIM KALINLIĞININ NÜMERİK İNCELENMESİ**
TÜRKAN B., CANBOLAT A. S., ETEMOĞLU A. B., KAYNAKLI Ö.
Technological Applied Sciences, vol.13, no.2, pp.75-88, 2018 (Peer-Reviewed Journal)
- XIII. **NUMERICAL ANALYSIS OF THERMAL BEHAVIORS OF COLUMN BEAM STRUCTURES WITH DIFFERENT INSULATION THICKNESS**
TÜRKAN B., CANBOLAT A. S., ETEMOĞLU A. B.
International Journal of Mechanical And Production Engineering, vol.5, no.9, pp.69-76, 2017 (Peer-Reviewed Journal)
- XIV. **INVESTIGATION OF DIFFERENT TURBULANCE MODELS ON THERMAL AND HYDRAULIC BEHAVIOUR OF AUTOMOTIVE COOLING SYSTEM**
CANBOLAT A. S., KAYNAKLI Ö., TÜRKAN B., YAMANKARADENİZ R.
International Journal of Mechanical And Production Engineering, vol.5, no.9, pp.77-82, 2017 (Peer-Reviewed Journal)
- XV. **A Study on The Parameters Affecting Insulation Thickness on External Wall of Buildings**
KAYNAKLI Ö., CANBOLAT A. S., BADEMLİOĞLU A. H.
International Journal of Mechanical and Production Engineering, vol.5, no.7, pp.81-84, 2017 (Peer-Reviewed Journal)
- XVI. **CFD Study of Heat Transfer and Pressure Drop Characteristics in Vehicle Radiators**
CANBOLAT A. S., KAYNAKLI Ö., TÜRKAN B.
International Journal of Mechanical And Production Engineering, vol.5, no.4, pp.66-70, 2017 (Peer-Reviewed Journal)
- XVII. **PLAKA GÖVDE BORU VE MİNYATÜR BORU TİP ISI EŞANJÖRLERİNİN TEKNİK VE EKONOMİK AÇIDAN KARŞILAŞTIRILMASI**
CANBOLAT A. S., TÜRKAN B., ETEMOĞLU A. B., CAN M., AVCI A.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.21, no.2, pp.107-121, 2016 (Peer-Reviewed Journal)
- XVIII. **NUMERICAL INVESTIGATION INTO THERMAL COMFORT CONDITIONS IN A MIDIBUS**
CANBOLAT A. S., TÜRKAN B., ETEMOĞLU A. B., CAN M.
The Journal of MacroTrends in Applied Science, vol.4, no.1, pp.13-23, 2016 (Peer-Reviewed Journal)
- XIX. **NUMERICAL INVESTIGATION INTO THE TEMPERATURE DISTRIBUTION ON THE DISC BRAKE SYSTEM**
TÜRKAN B., CANBOLAT A. S., CAN M., ETEMOĞLU A. B.
The Journal of MacroTrends in Technology and Innovation, vol.4, no.1, pp.8-20, 2016 (Peer-Reviewed Journal)
- XX. **Experimental and Numerical Investigation of Strawberry Drying**
TAN F., CANBOLAT A. S., YÜCE B. E., TÜRKAN B.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.21, no.1, pp.205, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **THE ROLE OF AIR CONDITIONER PERFORMANCE COEFFICIENT AND INSULATION MATERIAL LIFESPAN IN REDUCTION OF EMISSIONS IN RESIDENTIAL BUILDINGS**
Canbolat A. S.
4. ULUSLARARASI SELÇUK BİLİMSEL ARAŞTIRMALAR KONGRESİ, Konya, Turkey, 24 - 25 August 2024, pp.667-678
- II. **IMPACT OF CLIMATE ON ENVIRONMENTALLY OPTIMUM INSULATION THICKNESS: EXAMINATION OF EMISSION TYPES AND INSULATION MATERIALS**
Canbolat A. S.
MUNZUR ULUSLARARASI BİLİMSEL ARAŞTIRMALAR VE İNOVASYON KONGRESİ, Tunceli, Turkey, 6 - 07 August 2024, pp.901-915
- III. **COMPARATIVE ANALYSIS OF SO₂ AND CO₂ EMISSIONS FROM DIFFERENT WALL MATERIALS IN BUILDINGS**
Canbolat A. S.
4. ULUSLARARASI TRAKYA BİLİMSEL ARAŞTIRMALAR KONGRESİ, Edirne, Turkey, 20 - 21 July 2024, pp.202-211

- IV. **The Effect of Environmental Conditions on Optimum Insulation Thickness by Considering Condensation and Its Statistical Analysis**
BADEMLİOĞLU A. H., CANBOLAT A. S., KAYNAKLI Ö.
22nd Congress on Thermal Science and Technology, 11 - 14 September 2019, pp.421-428
- V. **Organik Rankine Çevriminin Islak ve Kuru Tip Akışkanlar için Performans Analizi**
BADEMLİOĞLU A. H., CANBOLAT A. S., KAYNAKLI Ö.
22nd Congress on Thermal Science and Technology, 11 - 14 September 2019, pp.27-34
- VI. **Çatı Katlarındaki Isıl Konforun Farklı Isıtma Sistemleri Kullanılarak İncelenmesi**
CANBOLAT A. S., BADEMLİOĞLU A. H., KAYNAKLI Ö.
22nd Congress on Thermal Science and Technology, 11 - 14 September 2019, pp.483-489
- VII. **Bir Taşıt Radyatöründe Isı Geçişine Etki Eden Parametrelerin İstatistiksel Analizi**
CANBOLAT A. S., BADEMLİOĞLU A. H., PERUT A. H., YETER A., KAYNAKLI Ö.
22nd Congress on Thermal Science and Technology, 11 - 14 September 2019, pp.120-125
- VIII. **Experimental and Numerical Verification of Drying Kinetics of Different Foodstuffs and Investigation of Shrinkage Effects**
TÜRKAN B., ŞEN Y., ETEMOĞLU A. B., CANBOLAT A. S.
International Conference on Science and Technology, Prizren, Serbia, 5 - 09 September 2018, pp.246-260
- IX. **A Study on Optimum Insulation Thicknesses and Payback Periods for The Use of a Building During Heating and Cooling Seasons**
CANBOLAT A. S., BADEMLİOĞLU A. H., KAYNAKLI Ö.
3rd Conference of Interdisciplinary Research on Real Estate, 20 - 21 September 2018, pp.568-574
- X. **Güneş Radyasyonu Hesaba Katılarak Optimum Yalıtım Kalınlığının Duvar Yönlerine Bağlı İncelenmesi**
BADEMLİOĞLU A. H., CANBOLAT A. S., TÜRKAN B., KAYNAKLI Ö.
4th Anatolian Energy Symposium with International Participation, Edirne, Turkey, 18 - 20 April 2018, pp.2184-2192
- XI. **Sandviç Duvarlar için Yalıtım Kalınlığının Belirlenmesinde Yoğuşma Faktörünün Etkisi**
CANBOLAT A. S., BADEMLİOĞLU A. H., KAYNAKLI Ö.
4th Anatolian Energy Symposium with International Participation, Edirne, Turkey, 18 - 20 April 2018, pp.2156-2164
- XII. **A PRACTICAL SOFTWARE FOR THERMODYNAMIC ANALYSIS OF ABSORPTION REFRIGERATION CYCLES USING H₂O/LiBr AND NH₃/H₂O SOLUTION PAIRS**
CANBOLAT A. S., SAKA K., KAYNAKLI F., YAMANKARADENİZ N., KAYNAKLI Ö.
4th Anatolian Energy Symposium with International Participation, Edirne, Turkey, 18 - 20 April 2018
- XIII. **Effect of Using Dimpled Tubes in Car Radiators into Thermal Performance and Pressure Drop Characteristics**
Canbolat A. S., Bademlioglu A. H., Yamankaradeniz N., Kaynakli Ö.
First International Scientific Conference Alternative Energy Sources, Materials and Technologies, Plovdiv, Bulgaria, 14 - 15 May 2018
- XIV. **Otomobillerde Kabin İçi Soğutma Sürecinin İncelenmesi ve Isıl Konfor Açısından Değerlendirilmesi**
BADEMLİOĞLU A. H., CANBOLAT A. S., KAYNAKLI F., KAYNAKLI Ö.
9th International Automotive Technologies Congress, Bursa, Turkey, 7 - 08 May 2018, pp.311-317
- XV. **İki Farklı Akış Konfigürasyonu için Otomobil Radyatörlerinde Isı ve Akış Analizinin Nümerik İncelenmesi**
CANBOLAT A. S., KAYNAKLI Ö., BADEMLİOĞLU A. H., TÜRKAN B.
9th International Automotive Technologies Congress, Bursa, Turkey, 7 - 08 May 2018, pp.1279-1284
- XVI. **Isı Yalıtım Uygulamalarında Isı Köprüsü Etkisinin Nümerik Olarak İncelenmesi**
TÜRKAN B., CANBOLAT A. S., ETEMOĞLU A. B.
13. Ulusal Tesisat Mühendisliği Kongresi, Turkey, 19 - 22 May 2017
- XVII. **Menfez Çıkış Hızının Mahal İçindeki Isıl Konfor Şartlarına Etkisinin İncelenmesi**
CANBOLAT A. S., KAYNAKLI Ö., YAMANKARADENİZ R.
13. Ulusal Tesisat Mühendisliği Kongresi, Turkey, 19 - 22 May 2017

- XVIII. **ELEKTRONİK CİHAZLARIN SOĞUTULMASININ FARKLI TÜRBÜLANS MODELLERİ VE DUVAR YAKLAŞIMLARI İLE CFD SİMÜLASYONU**
TAN F., CANBOLAT A. S., TÜRKAN B., YÜCE B. E.
12. Tesisat Mühendisliği Kongresi, Turkey, 8 - 11 April 2015
- XIX. **ÜLKEMİZDEKİ TÜKETİM TİPLİ GIDA ÜRÜNLERİNE VE KURUTMA TEKNİKLERİNE GENEL BİR BAKIŞ**
YÜCE B. E., TÜRKAN B., TAN F., CANBOLAT A. S.
2. Ulusal İklimlendirme Soğutma Eğitimi Sempozyumu ve Sergisi, Balıkesir, Turkey, 23 - 25 October 2014
- XX. **OTOMOBİL RADYATÖRLERİNDE BORU SAYISININ ISIL PERFORMANSA VE ETKENLİĞE ETKİSİNİN İNCELENMESİ**
Canbolat A. S., Türkan B., Yamankaradeniz R., Can M., Etemoğlu A. B.
7. Otomotiv Teknolojileri Kongresi, Bursa, Turkey, 26 - 27 May 2014

Supported Projects

Türkan B., Etemoğlu A. B., Canbolat A. S., Project Supported by Higher Education Institutions, HDP MH 2016 28 Gözenekli Malzemelerin Kurutulması Renk ve PH Analizleri, 2016 - 2016

Metrics

Publication: 68

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