

Personal Information

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Education Information

Doctorate, Yıldız Technical University, Graduate School of Natural and Applied Sciences, Turkey 2007 - 2013

Post Graduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Turkey 2005 - 2007

Under Graduate, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği, Turkey 2001 - 2005

Research Areas

Mechanical Engineering, Thermodynamics, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği Bölümü, 2018 - Continues

Research Assistant PhD, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği Bölümü, 2013 - 2018

Research Assistant, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği Bölümü, 2005 - 2013

Professional Experience

Deputy Head of Department, Yıldız Teknik Üniversitesi, Makine Mühendisliği Bölümü, 2018 - Continues

Erasmus Coordinator, Yıldız Teknik Üniversitesi, Makine Mühendisliği, 2015 - 2018

Courses

Thermodynamics I, Under Graduate, 2019 - 2020

Seminer, Post Graduate, 2018 - 2019

Termodinamik II, Under Graduate, 2018 - 2019

İklimlendirme Sistem Elemanları, Under Graduate, 2017 - 2018, 2018 - 2019

Yangın Dinamiği ve Güvenliği, Under Graduate, 2017 - 2018

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

- **Analysis of optimum insulation thickness for external walls at different orientations based on real-time measurements**
ONAN C., ERDEM S., ÖZKAN D. B., BAYKAL C.
Thermal Science, pp.311, 2018 (Journal Indexed in SCI Expanded)
- **EXPERIMENTAL DETERMINATION OF THE WETTED AREA OF A FALLING FILM ON THE OUTSIDE OF HORIZONTAL TUBES USING IMAGE PROCESSING AND HEAT TRANSFER ANALYSIS**
Onan C., Özkan D. B.
HEAT TRANSFER RESEARCH, vol.48, pp.529-548, 2017 (Journal Indexed in SCI)

- **THEORETICAL AND EXPERIMENTAL HEAT AND MASS TRANSFER ANALYSIS FOR A FALLING FILM OUTSIDE A GROOVED TUBE**
Onan C., Özkan D. B.
EXPERIMENTAL HEAT TRANSFER, vol.29, pp.244-265, 2016 (Journal Indexed in SCI)
- **Determination of the Thermal Insulation for the Model Building Approach and the Global Effects in Turkey**
Onan C.
ADVANCES IN MECHANICAL ENGINEERING, 2014 (Journal Indexed in SCI)
- **CFD and Experimental Analysis of a Falling Film outside Smooth and Helically Grooved Tubes**
ONAN C., OZKAN D. B. , ERDEM S.
ADVANCES IN MECHANICAL ENGINEERING, 2014 (Journal Indexed in SCI)
- **Optimization of insulation thickness for different glazing areas in buildings for various climatic regions in Turkey**
ÖZKAN D. B. , ONAN C.
APPLIED ENERGY, vol.88, pp.1331-1342, 2011 (Journal Indexed in SCI)
- **Exergy analysis of a solar assisted absorption cooling system on an hourly basis in villa applications**
ONAN C., ÖZKAN D. B. , ERDEM S.
ENERGY, vol.35, pp.5277-5285, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Exergy assessments by using real-time measurements in a factory**
Onan C., Ozkan D. B. , Erdem S.
International Journal of Mechanical Engineering and Robotics Research, vol.6, pp.147-153, 2017 (Refereed Journals of Other Institutions)
- **Theoretical study of R32 to replace R410A in Variable Refrigerant Flow VRF systems**
YILDIRIM C., ÖZKAN D. B. , ONAN C.
International Journal of Ambient Energy, 2016 (Journal Indexed in ESCI)
- **Isı Pompalarının Isıtma ve Soğutma Kapasitelerinin Belirlenmesine Yönelik Bir Modelleme Çalışması**
ERDEM S., ONAN C., ÖZKAN D. B. , HEPERKAN H. A.
Tesisat Mühendisliği, 2016 (Other Refereed National Journals)
- **Isıtma ve Soğutma Sistemlerinde Yenilenebilir Enerji Uygulamaları**
ERDEM S., ONAN C., ÖZKAN D. B.
Tesisat Mühendisliği, 2016 (Other Refereed National Journals)
- **Düşen Film Tipi Akışta Farklı Yiv Geometrilili Borularda Islak Alan Oranının ve Buharlaşan Su Miktarının Deneysel İncelenmesi**
Onan C.
Tesisat Mühendisliği, pp.28-34, 2013 (Other Refereed National Journals)
- **Güneş Enerjisi Destekli Soğutma Sistemleri ve Örnek Projenin Diğer Uygulamalarla Karşılaştırılması**
ONAN C., Özkan D. B.
Tesisat Mühendisliği Dergisi, pp.11-19, 2009 (Other Refereed National Journals)
- **Yalıtım Malzemesi Kalınlığının Isı Yalıtımına Etkisi**
ONAN C., Erdem S.
Sigma, vol.2009, pp.190-196, 2009 (Other Refereed National Journals)
- **TS 825 Binalarda Isı Yalıtımı Kuralları Standardındaki Değişikliklerin Analizi**
ONAN C., Erdem S.
Tesisat Mühendisliği Dergisi, pp.49-52, 2009 (Other Refereed National Journals)
- **Yapılarda Yalıtım Uygulamasının Ekonomik Analizi**
ONAN C., Erdem S., Tural M.
İzolasyon Dünyası, vol.1, pp.55-59, 2007 (National Non-Refereed Journal)

Refereed Congress / Symposium Publications in Proceedings

- **ECONOMIC ANALYSIS OF THE HEAT RECOVERY EQUIPMENT IN THE AIR CONDITIONING SYSTEM OF A HOTEL BUILDING DURING WINTER AND SUMMER SEASON**
ÖZKAN D. B. , ONAN C., ERDEM S.
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017 – ICAME2017, 19 - 21 Aralık 2017
- **INVESTIGATION OF THE PERFORMANCE OF ALTERNATIVE REFRIGERANTS COMPARED TO THE R134A REFRIGERANT**
ONAN C., ERDEM S., ÖZKAN D. B. , FİLİZ T.
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017 – ICAME2017, 19 - 21 Aralık 2017
- **MODELING OF AIR CONDITIONING SYSTEM USING R407C REFRIGERANT IN RAILWAY VEHICLES**
ERDEM S., ÖZKAN D. B. , ONAN C.
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017 – ICAME2017, 19 - 21 Aralık 2017
- **CFD Analysis of a Falling Film Outside Smooth Tubes**
SEZER E., ÖZKAN D. B. , ONAN C.
International conference on energy systems Istanbul 2016, 21 - 23 Aralık 2016
- **The effect of insulation on energy savings and costs for the current building inventory in Turkey**
ERDEM S., ONAN C., ÖZKAN D. B. , Bedirli S. E.
ASME 2012 International Mechanical Engineering Congress and Exposition, IMECE 2012, Houston, TX, United States Of America, 9 - 15 Kasım 2012, vol.7, pp.745-753
- **Coefficient of Performance Study on R600a, R134a, R290, R407c, R410a, R32 as an Alternative Refrigerant to R22**
ONAN C., Ağra Ö.
CLIMA2010
- **Daily Exergy Assesment of LiBr-Water Absorption Chiller Used for Solar Cooling**
ONAN C., Özkan D. B.
vol.1, pp.869-878
- **The Effects of Fin Spacing and Tube Outer Diameter of Evaporator on System Performance in Heat Pump Tumble Dryers**
ONAN C., Erdem S., Özkan D. B. , Heperkan H. A.
- **Investigation of the Falling Film Evaporation on Horizontal Tubes**
ONAN C., Özkan D. B.
Humboldt-Kolleg
- **Economic Analysis of Solar Assisted Absorption Cooling Systems in Climatization of the Villas**
ONAN C., Özkan D. B. , Erdem S.
vol.1, pp.335-350
- **Economic Analysis of Solar Assisted Ground Source Heat Pump System by Comparing Conventional System in Heating and Cooling a Villa**
Özkan D. B. , ONAN C.
vol.1, pp.319-333
- **Economic Analysis of Solar Assisted Ground Source Heat Pump System in Heating and Cooling a Villa in Mardin**
Özkan D. B. , ONAN C.
Humboldt Kolleg Istanbul, Turkey
- **The Effect of Insulation on Energy Savings and Costs for the Current Building Inventory in Turkey**
Onan C., ÖZKAN D. B. , Bedirli Ş. E.
- **The Effects of Gas Cooler Inlet Pressure on System Performance in Heat Pump Tumble Dryers**
ONAN C., Heperkan H. A. , Özkan D. B.

Citations

Total Citations (WOS):125

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