

Asst. Prof. ÖZGÜR EKİCİ

Personal Information

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Education Information

Doctorate, University Of Texas At Austin, The Graduate School, Mechanical Engineering, United States Of America 2002 - 2007

Post Graduate, Orta Doğu Teknik Üniversitesi, Risk Analizi A.B.D., Makina Mühendisliği, Turkey 1998 - 2001

Under Graduate, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 1994 - 1998

Research Areas

Mechanical Engineering, Energy, Fluid Mechanics, Thermodynamics, Heat and Mass Transfer, Computational fluid dynamics, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2014 - 2018

Lecturer PhD, Hacettepe Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2011 - 2014

Professional Experience

Deputy Head of Department, Hacettepe Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2015 - Continues

Head of Department, Hacettepe Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2014 - Continues

Courses

Fluid Mechanics, Under Graduate, 2016 - 2017

Heat Transfer, Under Graduate, 2016 - 2017

Thermodynamics, Under Graduate, 2016 - 2017

Advising Theses

EKİCİ Ö., Elektrik üretim teknolojilerinin maliyetlerine derin bir bakış: Türkiye, Post Graduate, B.ELİBOL(Student), 2015

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

- I. MHD mixed convection in a chamfered lid-driven cavity with partial heating

- Colak E., ÖZTOP H. F. , EKİCİ Ö.
INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, vol.156, 2020 (Journal Indexed in SCI)
- II. **Thermal Performance of Horizontally/Vertically Oriented Piezoelectric Fans in Varying Fin-Array Width**
Uc E., EKİCİ Ö.
HEAT TRANSFER ENGINEERING, 2020 (Journal Indexed in SCI)
- III. **Experimental Study of Regenerative Rotational Damper in Low Frequencies**
Amini A., EKİCİ Ö., YAKUT K.
INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY, vol.21, pp.83-90, 2020 (Journal Indexed in SCI)
- IV. **Process modeling of an automotive pem fuel cell system**
Akroot A., EKİCİ Ö., KÖKSAL M.
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.16, pp.778-788, 2019 (Journal Indexed in SCI)
- V. **Investigating the Effect of Medium Liquid Layer Circulation on Temperature Distribution in a Thermoelectric Generator Heat Exchanger Assembly**
Amini A., EKİCİ Ö., YAKUT K.
JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.141, 2019 (Journal Indexed in SCI)
- VI. **Lattice Boltzmann Simulation of Mixed Convection Heat Transfer in a Lid-Driven Square Cavity Filled With Nanofluid: A Revisit**
EKİCİ Ö.
JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, vol.140, 2018 (Journal Indexed in SCI)
- VII. **COMPUTATIONAL INVESTIGATION OF THE EFFECT OF TROUGH HEIGHT IN A TUBULAR SOLAR STILL ON DISTILLATE PRODUCTIVITY**
EKİCİ Ö.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.38, pp.1-10, 2018 (Journal Indexed in SCI)
- VIII. **3-D CFD modeling and experimental testing of thermal behavior of a Li-Ion battery**
Gümüşsu E., EKİCİ Ö., KÖKSAL M.
APPLIED THERMAL ENGINEERING, vol.120, pp.484-495, 2017 (Journal Indexed in SCI)
- IX. **Thermal analysis of gold nanorods heated with femtosecond laser pulses**
Ekici O., HARRISON R. K. , DURR N. J. , EVERSOLE D. S. , LEE M., BEN-YAKAR A.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.41, 2008 (Journal Indexed in SCI)
- X. **Geometrical and electromagnetic effects on arc propagation in a railplug ignitor**
Ekici O., MATTHEWS R. D. , EZEKOYE O. A.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.40, pp.7707-7715, 2007 (Journal Indexed in SCI)
- XI. **Thermal and flow fields modeling of fast spark discharges in air**
Ekici O., EZEKOYE O. A. , HALL M. J. , MATTHEWS R. D.
JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.129, pp.55-65, 2007 (Journal Indexed in SCI)
- XII. **THE OPTIMAL SPACING BETWEEN PARALLEL HEAT GENERATING BOARDS COOLED BY TURBULENT FORCED CONVECTION**
YÜNCÜ H., EKİCİ Ö.
Isi Bilimi Ve Teknigi Dergisi-Journal Of Thermal Science And Technology, pp.1, 2006 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Akış Problemleri İçin Lattice Boltzmann Yöntemi ve Uygulamaları**
ÖZCAN Z., EKİCİ Ö.
Gazi Üniversitesi Fen Bilimleri Dergisi Part: C Tasarım ve Teknoloji, vol.4, pp.115-126, 2016 (Other Refereed)

National Journals)

Books & Book Chapters

- I. **Spherical and Anisotropic Gold Nanomaterials in Plasmonic Laser Phototherapy of Cancer**
ADELA B. Y. , DANIEL E., EKİCİ Ö.
in: Non Magnetic Metallic Nanomaterials for Life Sciences of the 10 volume series on Nanomaterials for Life Sciences, Challa Kumar, Editor, Wiley-VCH Verlag GmbH Co. KGaA., 2008

Refereed Congress / Symposium Publications in Proceedings

- I. **Energy-efficient rotary-wing UAV deployment under flight dynamics and QoS constraints**
DEMİR U, Ipek M. C. , TOKER C., EKİCİ Ö.
7th IEEE International Black Sea Conference on Communications and Networking, BlackSeaCom 2019, Sochi, Russia, 3 - 06 June 2019
- II. **Experimental assessment of the lumped lithium-ion battery model**
ÖZDEMİR T., Amini A., EKİCİ Ö., KÖKSAL M.
12th International Conference on Computational Heat, Mass and Momentum Transfer (ICCHM2T), Rome, Italy, 3 - 06 September 2019, vol.128
- III. **SIKIŞTIRILAMAZ SONUÇLARLA ÖN KOŞULLANDIRILAN BİR SIKIŞTIRILABİLİR NAVIER STOKES ÇÖZÜCÜSÜ VE BU KODLA YAPILAN OPTİMİZASYON ÇALIŞMALARI**
EKİCİ Ö., PEHLİVAN B.
VII. ULUSAL HAVACILIK VE UZAY KONFERANSI, Turkey, 12 - 14 September 2018
- IV. **Experimental and numerical investigations of heating in a bus cabin under transient state conditions**
EKİCİ Ö., GÜNEY G.
18th International Conference on Computational Methods and Experimental Measurements, CMEM 2017, Alicante, Spain, 4 - 06 July 2017, vol.118, pp.49-59
- V. **A WEB-course on cold forging for continuing education and training**
Tekkaya A., Ekici O.
10th International Cold Forging Congress, FELLBACH, Germany, 13 - 15 September 2000, vol.1555, pp.89-101

Supported Projects

EKİCİ Ö., Project Supported by Higher Education Institutions, Fotovoltaik yapıların yaşam döngüsü analizi, 2014 - Continues

EKİCİ Ö., AMİNİ A., Project Supported by Higher Education Institutions, Titreşim hareketinde tutulan bir kontrol hacminde oluşan sirkülasyon ve konveksiyon ısı transferinin incelenmesi, 2017 - 2018

KOÇKAR B., GÖRTAN M. O. , BAŞLAMIŞLI S. Ç. , KÖKSAL M., EKİCİ Ö., ÜNVER Ö., YILDIRIM B., Project Supported by Higher Education Institutions, Formula Student Yarışmasına Katılmak Üzere Yarış Aracı Tasarımı ve Üretimi, 2015 - 2017

EKİCİ Ö., KÖKSAL M., Project Supported by Higher Education Institutions, Li-Ion Pillerin Normal Çalışma Koşulları ve Sıcaklığa Bağlı Hata Modları İçin Testleri ve Modellenmesi, 2015 - 2017

Citations

Total Citations (WOS):171

h-index (WOS):3