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Advising Theses

- YÜNCÜ H., Optimum spacing between vertical, parallel heat generating boards cooled by natural convection in a fixed volume, Postgraduate, S.Saygan(Student), 2014
- YÜNCÜ H., Ablation modeling of thermal protection systems of blunt-nosed bodies at supersonic flight speeds, Postgraduate, B.Şimşek(Student), 2013
- YÜNCÜ H., Optimum design of parallel, horizontal and laminar forced convection air-cooled rectangular channels with insulated lateral surfaces, Postgraduate, M.Ozan(Student), 2009
- YÜNCÜ H., First and second law analyses of a biomass fuelled solid oxide fuel cell-micro turbine hybrid system, Postgraduate, S.Arabacı(Student), 2008
- YÜNCÜ H., Numerical analysis of natural convective heat transfer through porous medium, Postgraduate, B.Aylangan(Student), 2006
- YÜNCÜ H., Performance of rectangular fins on a vertical base in free convection heat transfer, Postgraduate, B.Yazıcıoğlu(Student), 2005
- YÜNCÜ H., Analysis of single phase convective heat transfer in microtubes and microchannels, Postgraduate, B.Çetin(Student), 2005
- YÜNCÜ H., Numerical investigation of incompressible flow in grooved channels-heat transfer enhancement by self sustained oscillations, Doctorate, T.Gürer(Student), 2004
- YÜNCÜ H., An experimental investigation on performance of annular fins on a horizontal cylinder in free convection heat transfer, Postgraduate, Ş.Yıldız(Student), 2001
- YÜNCÜ H., The optimum spacing between parallel heat generating boards cooled by forced convection, Postgraduate, Ö.Ekici(Student), 2001
- YÜNCÜ H., The Optimum spacing between parallel heat generating boards cooled by natural convection, Postgraduate, K.Eryurt(Student), 2001
- YÜNCÜ H., An experimental investigation on performance of rectangular fins on a horizontal base in free convection heat transfer, Postgraduate, A.Güvenç(Student), 1999
- YÜNCÜ H., Second law optimization of air-cooled flat-plate solar collectors, Postgraduate, H.Yorgancıoğlu(Student), 1996
- YÜNCÜ H., Natural convective heat transfer in confined porous media, Postgraduate, A.Aksan(Student), 1995
- YÜNCÜ H., A three dimensional numerical study on natural convection heat transfer from rectangular fins on a horizontal surface, Doctorate, M.Mobedi(Student), 1994
- YÜNCÜ H., Thermoeconomic optimisation of a single stage heat pump system, Postgraduate, A.Koçoğlu(Student), 1993
- YÜNCÜ H., Forced convective flow and heat transfer through a porous channel, Postgraduate, A.Birol(Student), 1991
- YÜNCÜ H., Convective thermal rectification in an air-filled parallelogramic cavity, Postgraduate, S.Yamaç(Student), 1991
- YÜNCÜ H., A numerical study of the effect of vertical separation distance and cylinder-to-cylinder temperature imbalance on laminar natural convective heat transfer over a pair of isothermal horizontal cylinders, Postgraduate, A.Batta(Student), 1991
- YÜNCÜ H., The exergy analysis of absorption refrigeration cycles, Postgraduate, U.Gündüz(Student), 1991
- YÜNCÜ H., Second law optimization of flat plate solar collectors, Postgraduate, M.Yılmaz(Student), 1990

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimization of Parallel, Horizontal, and Laminar Forced Air-Cooled Heat Generating Boards**
ÖZDEMİR M., Yuncu H.
JOURNAL OF ELECTRONIC PACKAGING, vol.133, no.3, 2011 (SCI-Expanded)
- II. **A CORRELATION FOR OPTIMUM FIN SPACING OF VERTICALLY-BASED RECTANGULAR FIN ARRAYS SUBJECTED TO NATURAL CONVECTION HEAT TRANSFER**
Yazicioglu B., Yuncu H.
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.29, no.1, pp.99-105, 2009 (SCI-Expanded)
- III. **Thermal contact conductance of nominally flat surfaces**
Yuncu H.
HEAT AND MASS TRANSFER, vol.43, no.1, pp.1-5, 2006 (SCI-Expanded)
- IV. **An experimental investigation on performance of annular fins on a horizontal cylinder in free convection heat transfer**
Yildiz S., Yuncu H.
HEAT AND MASS TRANSFER, vol.40, pp.239-251, 2004 (SCI-Expanded)
- V. **A three dimensional numerical study on natural convection heat transfer from short horizontal rectangular fin array**
Mobedi M., Yuncu H.
HEAT AND MASS TRANSFER, vol.39, no.4, pp.267-275, 2003 (SCI-Expanded)
- VI. **An experimental investigation on performance of fins on a horizontal base in free convection heat transfer**
Guvenc A., Yuncu H.
HEAT AND MASS TRANSFER, vol.37, no.4-5, pp.409-416, 2001 (SCI-Expanded)
- VII. **EFFECT OF VERTICAL SEPARATION DISTANCE ON LAMINAR NATURAL CONVECTIVE HEAT-TRANSFER OVER 2 VERTICALLY SPACED EQUITEMPERATURE HORIZONTAL CYLINDERS**
YUNCU H., BATTA A.
APPLIED SCIENTIFIC RESEARCH, vol.52, no.3, pp.259-277, 1994 (SCI-Expanded)
- VIII. **LAMINAR NATURAL CONVECTIVE HEAT-TRANSFER IN AN AIR-FILLED PARALLELOGRAMIC CAVITY**
YUNCU H., YAMAC S.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, vol.18, no.4, pp.559-568, 1991 (SCI-Expanded)
- IX. **2-PHASE FLOW INSTABILITIES IN A HORIZONTAL SINGLE BOILING CHANNEL**
YUNCU H., YILDIRIM O., KAKAC S.
APPLIED SCIENTIFIC RESEARCH, vol.48, no.1, pp.83-104, 1991 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **NATURAL-CONVECTION HEAT-TRANSFER FROM HORIZONTAL RECTANGULAR FIN ARRAYS**
MOBED M., YUNCU H., YUCEL B.
NATO Advanced Study Institute on Cooling of Electronic Systems, CESME, Turkey, 21 June - 02 July 1993, vol.258, pp.189-202
- II. **THERMAL CONTACT CONDUCTANCE - THEORY AND APPLICATIONS**
YUNCU H., KAKAC S.
NATO Advanced Study Institute on Cooling of Electronic Systems, CESME, Turkey, 21 June - 02 July 1993, vol.258, pp.677-702

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