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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Applications of the Temperature-Based Solar Radiation Estimation Models in Turkey**
Ekici C., TEKE İ.
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- II. **The Role of Calender Gap in Barrel and Screw Wear in Counterrotating Twin Screw Extruders**
Demirci A., TEKE İ., Polychronopoulos N. D., Vlachopoulos J.
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- III. **Experimental and numerical investigation of air-side forced convection on wire-on-tube condensers**
GÖNÜL A., AĞRA Ö., ATAYILMAZ Ş. Ö., DEMİR H., SEVİNDİR M. K., TEKE İ.
International Journal of Thermal Sciences, vol.151, 2020 (SCI-Expanded)
- IV. **Global solar radiation estimation from measurements of visibility and air temperature extremes**
Ekici C., TEKE İ.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.41, no.11, pp.1344-1359, 2019 (SCI-Expanded)
- V. **Gelation of poly(vinyl chloride) inside a single screw extruder and its effect on product properties**
Demirci A., TEKE İ., Goger A., Canbaz E., Vlachopoulos J.
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- VI. **Natural convection heat transfer from horizontal concentric and eccentric cylinder systems cooling in the ambient air and determination of inner cylinder location**
ATAYILMAZ Ş. Ö., DEMİR H., SEVİNDİR M. K., AĞRA Ö., Teke İ., DALKILIÇ A. S.
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- VII. **Modelling the optimum distribution of insulation material**
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- VIII. **Optimum distribution of thermal insulation material for constant insulation material volume or a given investment cost**
DEMİR H., SEVİNDİR M. K., AĞRA Ö., ATAYILMAZ Ş. Ö., Teke İ.
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.7, no.6, 2015 (SCI-Expanded)
- IX. **Heat capacity ratio and the best type of heat exchanger for geothermal water providing maximum heat transfer**
AĞRA Ö., ERDEM H. H., DEMİR H., ATAYILMAZ Ş. Ö., Teke İ.
ENERGY, vol.90, pp.1563-1568, 2015 (SCI-Expanded)
- X. **Renovating thermal power plant to trigeneration system for district heating/cooling: Evaluation of performance variation**
Erdem H. H., Akkaya A. V., Dagdas A., Sevilgen S. H., Çetin B., Şahin B., Teke İ., Gungor C., Atas S., Basak M. Z.
APPLIED THERMAL ENGINEERING, vol.86, pp.35-42, 2015 (SCI-Expanded)
- XI. **Effects of Bed Height and Particle Size on Drying of a Turkish Lignite**
PUSAT Ş., Akkoyunlu M. T., ERDEM H. H., Teke İ.
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- XII. **Sizing, selection, and comparison of heat exchangers considering the lowest saving-investment ratio corresponding to the area at the tag end of the heat exchanger**
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- XIII. **Heat transfer enhancement during downward laminar flow condensation of R134a in vertical smooth and microfin tubes**
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- XIV. **DETERMINATION OF THE HEAT TRANSFER COEFFICIENT DURING ANNULAR FLOW CONDENSATION IN SMOOTH HORIZONTAL TUBES**
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- XV. **Experimental analysis for the determination of the convective heat transfer coefficient by measuring pressure drop directly during annular condensation flow of R134a in a vertical smooth tube**
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- XVI. **Determining the best type of heat exchangers for heat recovery**
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- XVII. **Comparison of frictional pressure drop models during annular flow condensation of R600a in a horizontal tube at low mass flux and of R134a in a vertical tube at high mass flux**
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- XVIII. **Performance analysis and optimization of heat exchangers: a new thermoeconomic approach**
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- XIX. **Thermodynamic analysis of an existing coal-fired power plant for district heating/cooling application**
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- XX. **Experimental and numerical study of the natural convection from a heated horizontal cylinder wrapped with a layer of textile material**
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- XXI. **Comparative energetic and exergetic performance analyses for coal-fired thermal power plants in Turkey**
Erdem H. H., Akkaya A. V., Çetin B., Dagdas A., Sevilgen S. H., Şahin B., Teke I, Gungor C., Atas S.
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- XXII. **Experimental and numerical study of the natural convection from a heated horizontal cylinder**
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- XXIII. **Currency of district cooling systems and alternative energy sources**
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- I. **Kombine Isı Pompası-Buhar Türbini Tesisinin Termodinamik ve Ekonomik Etüdü**
ŞAHİN B., TEKE İ.
Yıldız Üniversitesi Dergisi, pp.45-55, 1992 (Peer-Reviewed Journal)

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- I. **A STUDY ON THE OPTIMUM INSULATION THICKNESS AND ENERGY SAVINGS OF A RADIANT HEATING PANEL MOUNTED WALL FOR VARIOUS PARAMETERS**
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CLIMAMED VII. Mediterranean Congress of Climatization, İstanbul, Turkey, 3 - 04 October 2013, pp.791-797
- II. **RADYANT ISITMA PANELLERİ UYGULAMASI İÇİN BİNALARDAKİ OPTİMUM YALITIM KALINLIKLARININ İNCELENMESİ**
KANBUR B. B., ATAYILMAZ Ş. Ö., KOCA A., GEMİCİ Z., TEKE İ.
ULIBTK'13 19. Ulusal Isı Bilimi ve Tekniği Kongresi, Samsun, Turkey, 9 - 12 September 2013, pp.1493-1497
- III. **RADYANT ISITMA PANELLERİNDE AÇIĞA ÇIKAN ISI AKILARININ SAYISAL OLARAK İNCELENMESİ**
KANBUR B. B., ATAYILMAZ Ş. Ö., KOCA A., GEMİCİ Z., TEKE İ.
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- IV. **Effects of the nano particle concentration and type on natural convection heat transfer from horizontal concentric cylinder systems cooling in the ambient air**
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- V. **Environmental impact of optimum insulation thickness in buildings**
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- VI. **An experimental apparatus to investigate natural convection heat transfer from a vertical array of isothermal horizontal cylinders**
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- VII. **Predicting two phase flow pressure drop with CFD and ANN**
Teke İ., AĞRA Ö., DEMİR H., ATAYILMAZ Ş. Ö.
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- VIII. **Predicting Two Phase Pressure Drop with CFD and ANN**
TEKE İ., AĞRA Ö., DEMİR H., ATAYILMAZ Ş. Ö.
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- IX. **Comparison of Mathematical Expressions and Experimental Findings for Pressure Drops in the Flow of Low Density Spherical Capsule Train with General Expressions Regarding Spherical Capsule Flows**
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- X. **Experimental Set-Up and Capsule Feeding System Designed for Spherical Capsule Train Flows**
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- XI. **Boru Üretimindeki Kaynak Süreçlerinde Isı Olayları**
Mamedov S., Koyun A., Varol S., Teke İ., Alekberov V., Belen H., Öksüz S., Can N.

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XII. Linyit gazlaştırması kinetiği

KOYUN A., Teke İ.

XIII. Effect of Heat Treatment and Recycled Material on Mechanical and Tech. Properties of Polypropylene and Polyethylene

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