

BÖLÜMÜMÜZÜN SCI, SSCI VE AHCI İNDEKSLERİNE GİREN DERGİLERDE YAYINLANAN MAKALELERİ

2015-2020

The Influence of Imperfect Contact Conditions between Layers of a Hollow Sandwich Sphere on its Natural Frequencies

Sevdimaliyev Y. M. , AKBAROV S. , YAHNİOĞLU N.

MECHANICS OF COMPOSITE MATERIALS, cilt.56, ss.541-554, 2020

ON THE NATURAL OSCILLATION OF AN INHOMOGENEOUSLY PRE-STRESSED MULTILAYERED HOLLOW SPHERE FILLED WITH A COMPRESSIBLE FLUID

Sevdimaliyev Y. M. , Akbarov S. , Guliyev H. H. , Yahnioglu N.

APPLIED AND COMPUTATIONAL MATHEMATICS, cilt.19, ss.132-146, 2020

3D FEM Analysis of Buckling Delamination of a Piezoelectric Sandwich Rectangular Plate with Interface Edge Cracks

Aylıkçı F. , Akbarov S. , Yahnioğlu N.

MECHANICS OF COMPOSITE MATERIALS, cilt.55, ss.797-810, 2020

Dispersion of axisymmetric longitudinal waves in a "hollow cylinder plus surrounding medium" system with inhomogeneous initial stresses

Akbarov S. D. , Bagirova E. T.

STRUCTURAL ENGINEERING AND MECHANICS, cilt.72, ss.597-615, 2019

Influence of prestress on the natural frequency of a fluid-filled FGM sphere

Akbarov S. , Çilli A. , Yahnioğlu N.

EMERGING MATERIALS RESEARCH, cilt.8, ss.663-667, 2019

On attenuation of the seismic Rayleigh waves propagating in an elastic crustal layer over viscoelastic mantle

Negin M., AKBAROV S.

JOURNAL OF EARTH SYSTEM SCIENCE, cilt.128, 2019

3D Dynamics of the Oscillating-Moving Load Acting in the Interior of the Hollow Cylinder Surrounded with Elastic Medium

Akbarov S. , Mehdiyev M. A.

STRUCTURAL ENGINEERING AND MECHANICS, cilt.71, ss.713-738, 2019

The influence of the rheological parameters on the dispersion of the flexural waves in a viscoelastic bi-layered hollow cylinder

Kocal T. , AKBAROV S.

STRUCTURAL ENGINEERING AND MECHANICS, cilt.71, ss.577-601, 2019

Axisymmetric longitudinal wave dispersion in a bi-layered circular cylinder with inhomogeneous initial stresses

Akbarov S. , Bagirov E. T.

JOURNAL OF SOUND AND VIBRATION, cilt.450, ss.1-27, 2019

Forced Vibration of the Non-Homogeneously Pre-Stressed System Consisting of the Hollow Cylinder and Surrounding Medium

Akbarov S. , Bagirov E. T.

CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, cilt.121, ss.315-348, 2019

Dynamics of the Moving Ring Load Acting in the System "Hollow Cylinder plus Surrounding Medium" with Inhomogeneous Initial Stresses

Akbarov S. D. , Bagirov E. T. , ÖZİŞİK M.

CMC-COMPUTERS MATERIALS & CONTINUA, cilt.61, ss.503-534, 2019

Buckling delamination of a PZT/Metal/PZT sandwich rectangular thick plate containing interface inner band cracks

Aylıkçı F. , Akbarov S. , Yahnioglu N.

COMPOSITE STRUCTURES, cilt.202, ss.9-16, 2018

FORCED VIBRATION OF THE HYDRO-VISCOELASTIC AND -ELASTIC SYSTEMS CONSISTING OF THE VISCOELASTIC OR ELASTIC PLATE, COMPRESSIBLE VISCOUS FLUID AND RIGID WALL: A REVIEW

Akbarov A.

Applied And Computational Mathematics, cilt.17, ss.221-245, 2018

The influence of initial stresses on energy release rate and total electro-mechanical potential energy for penny-shaped interface cracks in PZT/Elastic/PZT sandwich circular plate-disc

AKBAROV S. , Cafarova F., YAHNİOĞLU N.

SMART STRUCTURES AND SYSTEMS, cilt.22, ss.259-276, 2018

Three-dimensional dynamics of the moving load acting on the interior of the hollow cylinder surrounded by the elastic medium

AKBAROV S. , MEHDİYEV M. A. , OZISIK M.

STRUCTURAL ENGINEERING AND MECHANICS, cilt.67, ss.185-206, 2018

The Influence of the Viscoelasticity on the Axisymmetric Wave Attenuation in a bi-Material Solid Cylinder

KOÇAL T. , AKBAROV S.

ACTA PHYSICA POLONICA A, cilt.134, ss.135-138, 2018

The Discrete-Analytical Solution Method for Investigation Dynamics of the Sphere with Inhomogeneous Initial Stresses

AKBAROV S. , Guliyev H. H. , Sevdimaliyev Y. M. , YAHNİOĞLU N.

CMC-COMPUTERS MATERIALS & CONTINUA, cilt.55, ss.359-380, 2018

Influence of initial stresses on the critical velocity of the moving load acting in the interior of the hollow cylinder surrounded by an infinite elastic medium

AKBAROV S. , Mehdiyev M. A.

STRUCTURAL ENGINEERING AND MECHANICS, cilt.66, ss.45-59, 2018

The influence of the rheological parameters of a hydro-viscoelastic system consisting of a viscoelastic plate, viscous fluid and rigid wall on the frequency response of this system

AKBAROV S. , ISMAILOV M. I.

JOURNAL OF VIBRATION AND CONTROL, cilt.24, ss.1341-1363, 2018

THE EFFECT OF VISCOSITY OF A FLUID ON THE FREQUENCY RESPONSE OF A VISCOELASTIC PLATE LOADED BY THIS FLUID

Zamanov A. D. , Ismailov M. I. , Akbarov S.

MECHANICS OF COMPOSITE MATERIALS, cilt.54, ss.41-52, 2018

The Influence of the Imperfectness of Contact Conditions on the Critical Velocity of the Moving Load Acting in the Interior of the Cylinder Surrounded with Elastic Medium

ÖZİŞİK M. , MEHDİYEV M. A. , Akbarov S.

CMC-COMPUTERS MATERIALS & CONTINUA, cilt.54, ss.103-136, 2018

Calculation and 3D analyses of ERR in the band crack front contained in a rectangular plate made of multilayered material

DINCEL A. T. , AKBAROV S.

OPEN CHEMISTRY, cilt.16, ss.516-519, 2018

The Interface Stress Field in the Elastic System Consisting of the Hollow Cylinder and Surrounding Elastic Medium Under 3D Non-Axisymmetric Forced Vibration

AKBAROV S. , Mehdiyev M. A.

CMC-COMPUTERS MATERIALS & CONTINUA, cilt.54, ss.61-81, 2018

Generalized Rayleigh Wave Dispersion in a Covered Half-space Made of Viscoelastic Materials

AKBAROV S. , Negin M.

CMC-COMPUTERS MATERIALS & CONTINUA, cilt.53, ss.307-341, 2017

The forced vibration of the system consisting of an elastic plate, compressible viscous fluid and rigid wall

AKBAROV S. , ISMAILOV M. I.

JOURNAL OF VIBRATION AND CONTROL, cilt.23, ss.1809-1827, 2017

Forced vibration of the elastic system consisting of the hollow cylinder and surrounding elastic medium under perfect and imperfect contact

AKBAROV S. , Mehdiyev M. A.

Structural Engineering and Mechanics, cilt.62, ss.113-123, 2017

Three-dimensional analysis of the natural vibration of the three-layered hollow sphere with middle layer made of FGM

AKBAROV S. , GULIYEV H. H. , YAHNİOĞLU N.

Structural Engineering and Mechanics, cilt.61, ss.563-576, 2017

Buckling delamination of the PZT/Metal/PZT sandwich circular plate-disc with penny-shaped interface cracks

Cafarova F. I. , AKBAROV S. , YAHNİOĞLU N.

Smart Structures and Systems, cilt.19, ss.163-179, 2017

On the attenuation of the axisymmetric longitudinal waves propagating in the bi-layered hollow cylinder made of viscoelastic materials

Kocal T. , AKBAROV S.

STRUCTURAL ENGINEERING AND MECHANICS, cilt.61, ss.143-160, 2017

Near-surface waves in a system consisting of a covering layer and a half-space with imperfect interface under two-axial initial stresses

AKBAROV S. , Negin M.

JOURNAL OF VIBRATION AND CONTROL, cilt.23, ss.55-68, 2017

Mathematical modelling and 3D FEM analysis of the influence of initial stresses on the ERR in a band crack's front in the rectangular orthotropic thick plate

Dincel A. , AKBAROV S.

Computers, Materials and Continua, cilt.53, ss.249-270, 2017

On the dispersion of the axisymmetric longitudinal wave propagating in a bi-layered hollow cylinder made of viscoelastic materials

AKBAROV S. , Kocal T. , KEPCELER T.

INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.100, ss.195-210, 2016

Dynamics of the oscillating moving load acting on the hydro-elastic system consisting of the elastic plate, compressible viscous fluid and rigid wall

AKBAROV S. , ISMAILOV M. I.

STRUCTURAL ENGINEERING AND MECHANICS, cilt.59, ss.403-430, 2016

On the total electro-mechanical potential energy and energy release rate at the interface crack tips in an initially stressed sandwich plate-strip with piezoelectric face and elastic core layers

AKBAROV S. , YAHNIOĞLU N.

INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, ss.119-130, 2016

INFLUENCE OF THE INTERACTION BETWEEN FIBERS PERIODICALLY LOCATED IN A COMPOSITE MATERIAL ON THE DISTRIBUTION OF STRESSES IN IT

Akbarov S. , Köşker R. , Uçan Y.

MECHANICS OF COMPOSITE MATERIALS, cilt.52, ss.243-256, 2016

The influence of the initial stresses on Lamb wave dispersion in pre-stressed PZT/Metal/PZT sandwich plates

Kurt İ. , Akbarov S. , Sezer S.

STRUCTURAL ENGINEERING AND MECHANICS, cilt.58, ss.347-378, 2016

Natural vibration of the three-layered solid sphere with middle layer made of FGM: three-dimensional approach

AKBAROV S. , Guliyev H. H. , YAHNIOĞLU N.

STRUCTURAL ENGINEERING AND MECHANICS, cilt.57, ss.239-263, 2016

Dispersion of Axisymmetric Longitudinal Waves in A Bi-Material Compound Solid Cylinder Made of Viscoelastic Materials

AKBAROV S. , Kocal T. , KEPCELER T.

CMC-COMPUTERS MATERIALS & CONTINUA, cilt.51, ss.105-143, 2016

FREQUENCY RESPONSE OF A PRE-STRESSED METAL ELASTIC PLATE UNDER COMPRESSIBLE VISCOUS FLUID LOADING

AKBAROV S. , ISMAILOV M. I.

APPLIED AND COMPUTATIONAL MATHEMATICS, cilt.15, ss.172-188, 2016

Lamb wave dispersion in a PZT/metal/PZT sandwich plate with imperfect interface

Kurt İ. , Akbarov S. , Sezer S.

WAVES IN RANDOM AND COMPLEX MEDIA, cilt.26, ss.301-327, 2016

Time-Harmonic Lamb Problem for a System Consisting of a Prestressed Piezoelectric Covering Layer and a Prestressed Half-Plane

Akbarov S. , İlhan N. , Koç N.

MECHANICS OF COMPOSITE MATERIALS, cilt.51, ss.427-436, 2015

On the Discrete-Analytical Solution Method of the Problems Related to the Dynamics of Hydro-Elastic Systems Consisting of a Pre-Strained Moving Elastic Plate, Compressible Viscous Fluid and Rigid Wall

AKBAROV S. , PANAKHH P. G.

CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES, cilt.108, ss.89-112, 2015

EFFECT OF IMPERFECT CONTACT ON THE DISPERSION OF GENERALIZED RAYLEIGH WAVES IN A SYSTEM CONSISTING OF A PRESTRESSED LAYER AND A PRESTRESSED HALF-PLANE

AKBAROV S. , Negin M., Ipek C.

MECHANICS OF COMPOSITE MATERIALS, cilt.51, ss.397-404, 2015

On the torsional wave dispersion in a hollow sandwich circular cylinder made from viscoelastic materials

AKBAROV S. , KEPCELER T.

APPLIED MATHEMATICAL MODELLING, cilt.39, ss.3569-3587, 2015

Influence of an Imperfection of Interfacial Contact on the Dispersion of Flexural Waves in a Compound Cylinder

Akbarov S. , Ipek C., MECHANICS OF COMPOSITE MATERIALS, cilt.51, ss.191-198, 2015

3D dynamics of a prestressed stratified half-space under the action of an oscillating moving load

AKBAROV S. , ILHAN N. , Temugan A.

APPLIED MATHEMATICAL MODELLING, cilt.39, ss.1-18, 2015

Dynamics of the moving load acting on the hydro-elastic system consisting of the elastic plate, compressible viscous fluid and rigid wall

AKBAROV S. , Ismailov M.

Computers, Materials and Continua, cilt.45, ss.75-105, 2015

Robust H-infinity Control of STMDs Used in Structural Systems by Hardware in the Loop Simulation Method

AGGÜMÜŞ H. , GÜÇLÜ R. ACTUATORS, cilt.9, 2020

Determination of critical section of wagon axle by considering dynamic and safety factors

Dikmen F. , Bayraktar M. , Güçlü R.

Alexandria Engineering Journal, cilt.58, ss.611-624, 2019

Vibration isolation with clutch disk pre-damper mechanism for the idle rattle phenomenon

Yucesan A., Sezer S.

JOURNAL OF VIBRATION AND CONTROL, cilt.24, ss.1518-1534, 2018

Validation of railway vehicle dynamic models in training simulators

Ozturk V., Arar O. F. , Rende F. S. , ÖZTEMELE., SEZER S.

VEHICLE SYSTEM DYNAMICS, cilt.55, ss.41-71, 2017

Investigation of the Seismic Behavior of a Historical Masonry Minaret Considering the Interaction with Surrounding Structures

Erdoğan Y. S. , Kocaturk T. , Demir C.

JOURNAL OF EARTHQUAKE ENGINEERING, cilt.23, ss.112-140, 2019

Water Leakage Detection for Complex Pipe Systems Using Hybrid Learning Algorithm Based on ANFIS Method

YALÇIN B. C. , DEMİR C. , GÖKÇE M., KOYUN A.

JOURNAL OF COMPUTING AND INFORMATION SCIENCE IN ENGINEERING, cilt.18, 2018

Vibration analysis of a spring supported FG beam under harmonic force

Demir C. , Altinoz M.

International Journal of Acoustics and Vibrations, cilt.23, ss.175-184, 2018

Investigation of existing damage mechanism and retrofitting of Skeuophylakion under seismic loads

KOCATURK T. , ERDOĞAN Y. S. , DEMİR C. , GOKCE A. , ULUKAYA S. , YÜZER N.

ENGINEERING STRUCTURES, cilt.137, ss.125-144, 2017

Seismic analysis and investigation of damage mechanism of 57th infantry regiment memorial using finite-discrete element method

ERDOĞAN Y. S. , Kocaturk T. , DEMİR C.

BULLETIN OF EARTHQUAKE ENGINEERING, cilt.15, ss.1397-1424, 2017

Experimental and numerical investigation of clinched joint and implementation of the results to design of a tumble dryer

Bayraktar M. , Cerkez V.

Journal Of The Brazilian Society Of Mechanical Sciences And Engineering, cilt.42, no.567, ss.1-12, 2020

Ana muharebe tankının modellenmesi ve silah salınımlarının azaltılması için LQR kontrolör tasarımı

Cakir M. F. , Bayraktar M.

Journal Of The Faculty Of Engineering And Architecture Of Gazi University, cilt.35, no.1, ss.1861-1876, 2020

Output derivative feedback vibration control of an integrated vehicle suspension system

Yazıcı H. , Sever M.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING, cilt.234, ss.409-419, 2020

LMI-based designs for robust state and output derivative feedback guaranteed cost controllers in reciprocal state space form

Sever M. , Yazıcı H.

INTERNATIONAL JOURNAL OF CONTROL, no.0, 2019

Robust static output feedback H-infinity-controller design for three degree of freedom integrated bus lateral, yaw, roll dynamics model

Altork B., Yazıcı H.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, cilt.41, ss.4545-4568, 2019

A model predictive vertical motion control of a passenger ship

Kucukdemiral I. B. , Çakıcı F. , Yazıcı H.

Ocean Engineering, cilt.186, 2019

LMI-based design of an I-PD plus PD type LPV state feedback controller for a gantry crane

Aktaş A., Yazıcı H. , Sever M.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, cilt.41, ss.1640-1655, 2019

Active vibration control of a vehicle suspension system having biodynamic driver model with state derivative feedback LQR Biodinamik sürücü modeli içeren bir taşıt süspansiyon sisteminin durum türevi geri beslemeli LQR ile aktif titreşim kontrolü

Sever M. , Şendur H. S. , Yazıcı H. , Arslan M. S.

Journal of the Faculty of Engineering and Architecture of Gazi University, cilt.34, ss.1573-1583, 2019

Optimal control design for reducing vertical acceleration of a motor yacht form

ÇAKICI F. , YAZICI H. , ALKAN A. D.

OCEAN ENGINEERING, cilt.169, ss.636-650, 2018

Active control of a non-linear landing gear system having oleo pneumatic shock absorber using robust linear quadratic regulator approach

YAZICI H. , Sever M.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART G-JOURNAL OF AEROSPACE ENGINEERING, cilt.232, ss.2397-2411, 2018

L-2 gain state derivative feedback control of uncertain vehicle suspension systems

Yazıcı H. , Sever M.

JOURNAL OF VIBRATION AND CONTROL, cilt.24, ss.3779-3794, 2018

Observer Based Optimal Vibration Control of a Full Aircraft System Having Active Landing Gears and Biodynamic Pilot Model

Yazıcı H. , Sever M.

SHOCK AND VIBRATION, 2016

Nonlinear adaptive semiactive control of a half-vehicle model via hardware in the loop simulation

Paksoy M., Metin M.

Turkish Journal Of Electrical Engineering And Computer Sciences, cilt.28, ss.1612-1630, 2020

Vibration analysis of curved composite sandwich beams with viscoelastic core by using differential quadrature method

Demir Ö. , Balkan D., Peker R. C. , Metin M. , Arıkoğlu A.

JOURNAL OF SANDWICH STRUCTURES & MATERIALS, cilt.22, ss.743-770, 2020

An adaptive control approach for semi-active suspension systems under unknown road disturbance input using hardware-in-the-loop simulation

Kararsız G. , Paksoy M. , Metin M. , Baştürk H. İ.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, no.1, 2020

Dynamic analysis of railway with locally continuous supported superstructures

Metin M. , Ulu A., Demir Ö. , Arıkoğlu A.

ENGINEERING COMPUTATIONS, cilt.36, ss.3047-3069, 2019

Nonlinear semi-active adaptive vibration control of a half vehicle model under unmeasured road input

Paksoy M. , Metin M.

JOURNAL OF VIBRATION AND CONTROL, cilt.25, ss.2453-2472, 2019

Turning Performance of Bonded Cutting Tools with Nanographene or Multi-walled Carbon Nanotube Particle-Reinforced Epoxy-Based Nanocomposite Adhesives

Uysal A. , Eryildiz E. , Altan E.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.44, ss.7737-7752, 2019

Mechanical strength of single-lap joints bonded with nano graphene and MWCNT reinforced epoxy-based nanocomposite adhesives

Eryildiz E. , Uysal A. , Altan E.

MATERIALS TESTING, cilt.61, ss.349-352, 2019

Investigation into the effectiveness of cutting parameters on wear regions of the flank wear curve and associated cutting tool life improvement

Altan E. , Uysal A. , Çalışkan O.

INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, cilt.57, ss.54-70, 2018

Effect of work hardening of cobalt in sintered carbide cutting tool on tool failure during interrupted cutting

ALTAN E. , UYSAL A. , ANAC S. H. , Ozturk S.

INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.88, ss.359-367, 2017

Slip-line field modelling of rounded-edge cutting tool for orthogonal machining

Uysal A. , Altan E.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, cilt.230, ss.1925-1941, 2016

Surface Roughness in Drilling of Electrically Conductive Polyamide

Uysal A. , Altan E.

ACTA PHYSICA POLONICA A, cilt.129, ss.442-444, 2016

Investigation of Surface Roughness and Chip Forms in Milling of Stainless Steel by MQL Method

Uysal A. , Demiren F. , Altan E.

ACTA PHYSICA POLONICA A, cilt.129, ss.439-441, 2016

Effects of discharge energy density on wear rate and surface roughness in EDM

Kiyak M. , ALDEMİR B. E. , Altan E.

INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.79, ss.513-518, 2015

An experimental study on dead metal zone in orthogonal cutting with worn rounded-edge cutting tools

Uysal A. , Ozturk S., Altan E.

INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, cilt.51, ss.401-412, 2015

Effect of Ploughing Force on Cutting Forces in Micro cutting with a Rounded edge Cutting Tool

UYSAL A., ALTAN E.

Materials Today: Proceedings, cilt.2, ss.224-229, 2015

Flapwise Bending Vibration Analysis of a Double Tapered Rotating Nonlocal Euler-Bernoulli Beam by the Differential Transform Method

Kurt I. , Kaya M. O.

JOURNAL OF APPLIED MECHANICS AND TECHNICAL PHYSICS, cilt.60, ss.959-968, 2019

PID Parameters Prediction Using Neural Network for A Linear Quarter Car Suspension Control

Müdürrisoğlu K. , Arısoy D. O. , Ahan A. O. , Akdoğan E.

International Journal of Intelligent Systems and Applications in Engineering (IJISAE), cilt.4, ss.20-24, 2016

An investigation of oxidation, hot corrosion, and thermal shock behavior of atmospheric plasma-sprayed YSZ–Al₂O₃ composite thermal barrier coatings

Avcı A. , Akdoğan Eker A. , Karabaş M.

International Journal Of Materials Research, cilt.111, ss.1-14, 2020

Histopathological, immunohistochemical, and biomechanical effects of splenectomy on Achilles tendon healing in rats

Yüksel S., Gulec M. A. , Gültekin Z., Çağlar A., Beytemur O., Alagöz E., et al.

CONNECTIVE TISSUE RESEARCH, cilt.60, ss.200-208, 2019

Experimental study on the thermal conductivity of water-based CNT-SiO₂ hybrid nanofluids

Dalkılıç A. S. , Yalçın G., Küçükyıldırım B. O. , Öztuna S., Akdoğan Eker A. , Jumholkul C., et al.

International Communications in Heat and Mass Transfer, cilt.99, ss.18-25, 2018

Experimental investigation on the viscosity characteristics of water based SiO₂-graphite hybrid nanofluids

DALKILIÇ A. S. , AÇIKGÖZ Ö. , KÜÇÜKYILDIRIM B. O. , Eker A. , Lüleci B., Jumpholkul C., et al.
International Communications in Heat and Mass Transfer, cilt.97, ss.30-38, 2018

Carbon nanotube-based nanocomposites and their applications

Ates M., Eker A. , Eker B.
Journal of Adhesion Science and Technology, cilt.31, ss.1977-1997, 2017

Experimental investigation on the viscosity of Water-CNT and Antifreeze-CNT nanofluids

Dalkılıç A. S. , Küçükyıldırım B. O. , Eker A. , Cebı A. , Tapan S., Jumpholkul C., et al.
INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.80, ss.47-59, 2017

Fabrication of polylactic acid/halloysite nanotube scaffolds by foam injection molding for tissue engineering

Eryıldız M. , Altan M.
POLYMER COMPOSITES, cilt.41, ss.757-767, 2020

Effect of structural hybrid design on mechanical and biological properties of CoCr scaffolds fabricated by selective laser melting

Özeren E., ALTAN M.
Rapid Prototyping Journal, cilt.26, ss.615-624, 2019

Poly lactide/Halloysite Nanocomposite Foams: Particle Dispersion and Mechanical Strength

Eryıldız M. , Altan M.
ACTA PHYSICA POLONICA A, cilt.135, ss.619-621, 2019

Foam Injection Molding of Polypropylene/Zinc Oxide Nanocomposite with Chemical Foaming Agent: Mechanical Properties and Morphology

ALTAN M. , Osswald T.
JOURNAL OF TESTING AND EVALUATION, cilt.47, ss.998-1008, 2019

Accuracy estimation in drilling small holes on engineering plastics by a mathematical approach

UYSAL A. , Altan M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, cilt.232, ss.3807-3813, 2018

Effect of Process Parameters on Shear Layer Thickness in Injection Molded Short-Glass Fiber Reinforced Polypropylene

ALTAN M. , Demirci M.

INTERNATIONAL POLYMER PROCESSING, cilt.33, ss.714-720, 2018

An Experimental Study on Mechanical Behavior of Nanographene/Epoxy Nanocomposites

Altan M. , UYSAL A.

ADVANCES IN POLYMER TECHNOLOGY, cilt.37, ss.1061-1066, 2018

Effects of process parameters on the quality of PLA products fabricated by fused deposition modeling (FDM): surface roughness and tensile strenght

ALTAN M. , Demirci M., Gümüş B., Kahraman Y.

MATERIALPRUFUNG, cilt.60, ss.1-5, 2018 (Characterization of hollow glass sphere reinforced epoxy composites: Dynamical mechanical analysis and morphology

Altan M. , Gümüş B. , KAHRAMAN Y.

Materialpruefung/Materials Testing, cilt.59, ss.239-243, 2017

Electrical, morphological, thermal and mechanical properties of low density polyethylene/zinc oxide nanocomposites prepared by melt mixing method

Yamak H. B. , Altan M. , Ahmet A.

Optoelectronics and Advanced Materials, Rapid Communications, cilt.10, ss.925-934, 2016

Manufacturing polymer/metal macro-composite structure for vibration damping

Altan M. , Bayraktar M. , Yavuz B.

International Journal of Advanced Manufacturing Technology, cilt.86, ss.2119-2126, 2016

A Novel Method for Manufacturing Polymer/Metal Hybrid Structures

Altan M. , Yavuz B.

ACTA PHYSICA POLONICA A, cilt.129, no.4, ss.639-641, 2016

Quality during milling of a glass fiber reinforced polymer composite

UYSAL A. , Altan M.

MATERIALS TESTING, cilt.57, ss.767-772, 2015

Surface Roughness of Milled Sheet Molding Compound Composites

UYSAL A. , ALTAN M.

ACTA PHYSICA POLONICA A, cilt.127, ss.1218-1220, 2015

Etchants for Chemical Machining of Aluminium and Its Alloys

Çakır O.

ACTA PHYSICA POLONICA A, cilt.135, ss.586-587, 2019

Chemical Machining of St37 Rod Using Etchant Substance FeCl₃

Çakır O.

ACTA PHYSICA POLONICA A, cilt.135, ss.583-585, 2019

Determination of resistance spot welding parameters to guarantee certain strength values including regression analysis

YURCİ C., AKDOĞAN A. , Durakbaşa N. M.

Lecture Notes in Mechanical Engineering, cilt.26, ss.62-73, 2019

Manufacturing automation for magnesium die casting

VANLI A. S. , AKDOĞAN A.

Lecture Notes in Mechanical Engineering, cilt.26, ss.122-130, 2019

Re-engineering of manufacturing parts by computed tomography data

AKDOĞAN A. , VANLI A. S. , Durakbaşa N. M.

Lecture Notes in Mechanical Engineering, cilt.26, ss.114-121, 2019

Effects of process parameters on mechanical and metallurgical properties in high pressure die casting of AZ91 magnesium alloy

Vanli A. S. , AKDOĞAN A.

INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, cilt.26, ss.27-35, 2019

Production Performance of Wood Flour Reinforced Polymer Composites in Extrusion Process

Vanli A. S. , AKDOĞAN A.

ACTA PHYSICA POLONICA A, cilt.134, ss.18-20, 2018

Process Optimization and Surface Modification of Die Casting AZ91 Magnesium Alloy Products

Vanli A. S. , AKDOĞAN A. , Durakbasa M. N.

ACTA PHYSICA POLONICA A, cilt.134, ss.32-36, 2018

Investigation of Effects Welding Sequence Fixturing Welding Points on Distortions after Spot Welding for Determining Individual and Cumulative Tolerances

Yurci C., AKDOĞAN A. , Durakbaşa N.

IFAC-PapersOnLine, cilt.49, ss.30-35, 2016

Optimization of end milling parameters and determination of the effects of edge profile for high surface quality of AISI H13 steel by using precise and fast measurements

Durakbasa M. N. , AKDOĞAN A. , Vanli A. S. , Bulutsuz A.

MEASUREMENT, cilt.68, ss.92-99, 2015

A slip-line model for serrated chip formation in machining of stainless steel and validation

Uysal A. , Jawahir I. S.

INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.101, ss.2449-2464, 2019

Evaluation of drilling parameters on surface roughness and burr when drilling carbon black reinforced high-density polyethylene

UYSAL A.

JOURNAL OF COMPOSITE MATERIALS, cilt.52, ss.2719-2727, 2018

Influence of cutting temperature when drilling carbon black reinforced polyamides

UYSAL A.

MATERIALS TESTING, cilt.60, ss.627-632, 2018

Effects of cutting parameters on drilling performance of carbon black-reinforced polymer composite

Uysal A.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, cilt.232, ss.1133-1142, 2018

Effects of nano graphene particles on surface roughness and cutting temperature during MQL milling of AISI 430 stainless steel

UYSAL A.

MATERIALS TESTING, cilt.60, ss.533-537, 2018

Surface Roughness in Nanofluid Minimum Quantity Lubrication Milling of AISI 430 Ferritic Stainless Steel

UYSAL A.

JOURNAL OF TESTING AND EVALUATION, cilt.45, ss.933-939, 2017

Investigation of cutting temperature in minimum quantity lubrication milling of ferritic stainless steel by using multi wall carbon nanotube reinforced cutting fluid

UYSAL A.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.32, ss.645-650, 2017

Cutting parameters for optimum surface roughness during end milling of carbon fiber reinforced composites

UYSAL A.

MATERIALS TESTING, cilt.58, ss.588-593, 2016

Investigation of flank wear in MQL milling of ferritic stainless steel by using nano graphene reinforced vegetable cutting fluid

UYSAL A.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.68, ss.446-451, 2016

Evaluation of microstructural and mechanical properties of dissimilar Inconel 625 nickel alloy–UNS S32205 duplex stainless steel weldment using MIG welding

Tümer M., Karahan T., Mert T.

Welding in the World, cilt.64, ss.21-35, 2020

Investigations on Mechanical Strength and Microstructure of Multi-Pass Welded S690QL HSLA Steel Using MAG and FCAW

MERT T. , TÜMER M., Kerimak Z. M.

PRAKTISCHE METALLOGRAPHIE-PRACTICAL METALLOGRAPHY, cilt.56, ss.634-654, 2019

SHIPYARD WELDING EMISSION ESTIMATION FOR DIFFERENT ELECTRODE AND SHIP TYPES

Mert T. , Çelebi U. B. , Bilgili L., Ekinci S.

FRESENIUS ENVIRONMENTAL BULLETIN, cilt.28, ss.891-894, 2019

Experimental Investigation of the Effects of Parameters on CO₂ and CO Emissions during FCAW of Structural Steel. Estimation and Evaluation of Environmental and Health Impacts

Mert T. , Bilgili L., Çelebi U. B. , Ekinci S.

ACTA PHYSICA POLONICA A, cilt.134, ss.354-357, 2018

DOUBLE FILLET WELDING OF CARBON STEEL T-JOINT BY DOUBLE CHANNEL SHIELDING GAS METAL ARC WELDING METHOD USING METAL CORED WIRE

MERT T. , GÜLTEKİN N. , KARAASLAN A.

ARCHIVES OF METALLURGY AND MATERIALS, cilt.62, ss.947-954, 2017

Fume Formation Rate Analysis of Shipbuilding Steel with SMAW Using Taguchi Design and ANOVA

MERT T. , EKİNCİ S.

ACTA PHYSICA POLONICA A, cilt.131, ss.495-499, 2017

HAZARDOUS FUME EMISSIONS IN MMA WELDING OF AH-36 STEEL WITH DIFFERENT ELECTRODES AND ANALYSIS WITH TAGUCHI AND ANOVA

MERT T. , BİLGİLİ L. , ŞENÖZ K. M. , ÇELEBİ U. B. , EKİNCİ S.

FRESENIUS ENVIRONMENTAL BULLETIN, cilt.26, ss.318-322, 2017

THE ANALYSIS OF THE EFFECT OF PARAMETERS IN GAS METAL ARC WELDING OF STRUCTURAL STEEL WITH METAL CORED WIRE ON WELDING FUME USING TAGUCHI METHOD AND ANOVA

MERT T.

FRESENIUS ENVIRONMENTAL BULLETIN, cilt.26, ss.133-139, 2017

CHARACTERIZATION OF SUB-MICROMETER FUME PARTICLES IN MMA WELDING OF SHIPBUILDING STEEL WITH DIFFERENT TYPES OF ELECTRODES

ÇELEBİ U. B. , MERT T. , BİLGİLİ L. , ŞENÖZ K. M. , EKİNCİ S. , FRESENIUS ENVIRONMENTAL BULLETIN, cilt.26, ss.140-145, 2017

Characteristics of austenitic stainless steel T-joints welded using the DMAG process with solid wire

MERT T. , Gültekin N. , KARAASLAN A.

MATERIALS TESTING, cilt.58, ss.778-781, 2016

Evaluation of double channel GMAW fillet welds of low carbon steel using solid wire

MERT T. , Gultekin N. , KARAASLAN A.

MATERIALS TESTING, cilt.57, ss.680-684, 2015

Mechanical and Microstructural Evaluation of DMAG Welding of Structural Steel

MERT T. , Gultekin N. , KARAASLAN A.

ADVANCES IN MECHANICAL ENGINEERING, cilt.7, 2015

Fillet welding of austenitic stainless steel using the double channel shielding gas method with cored wire

MERT T. , Gultekin N. , KARAASLAN A.

MATERIALS TESTING, cilt.57, ss.91-94, 2015

Effect of cutting tool tip position on real cutting tool deflection in turning

KIYAK M.

EMERGING MATERIALS RESEARCH, cilt.9, ss.479-487, 2020

Post-Processing Effects on Surface Properties of Direct Metal Laser Sintered AISi10Mg Parts

Sağbaşı B.

METALS AND MATERIALS INTERNATIONAL, cilt.26, ss.143-153, 2020

Tribological performance of peek with green lubricant enhanced by nano hexagonal boron nitride powder

Sağbaşı B.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.72, no.1, ss.203-210, 2018

Effect of argon plasma surface modification on tribological behavior of biopolymers

SAĞBAŞI B.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.68, ss.508-514, 2016

Effects of Process Parameters on the Formability of Sheet Metal During Plastic Injection Forming

Şen M., Şener B. , Altan M.

Materialprüfung, cilt.62, ss.535-543, 2020

Optimum spatial variable blank holder forces determined by the sequential response surface method (SRSM) and a hybrid algorithm

Şener B. , Yurci M. E. , Bogoclu M. E.

MATERIALS TESTING, cilt.61, ss.353-361, 2019

The Effects of Anisotropic Yield Function on Plastic Behavior of 304 Stainless Steel

Şener B. , Yurci M. E.

JOURNAL OF TESTING AND EVALUATION, cilt.46, ss.2584-2591, 2018

Numerical parameters for deep drawing simulation of a double bowl sink

Şener B. , Yurci M. E.

MATERIALS TESTING, cilt.59, ss.480-484, 2017

Comparison of Quasi-Static Constitutive Equations and Modeling of Flow Curves for Austenitic 304 and Ferritic 430 Stainless Steels

Şener B. , Yurci M. E.

ACTA PHYSICA POLONICA A, cilt.131, ss.605-607, 2017

Numerical and Experimental Investigation of Friction Effect in Limiting Dome Height Test

Şener B. , Kayali E. S.

JOURNAL OF TESTING AND EVALUATION, cilt.44, ss.1580-1584, 2016

Optimization of process parameters for rectangular cup deep drawing by the Taguchi method and genetic algorithm

Şener B. , Kurtaran H.

MATERIALS TESTING, cilt.58, ss.238-245, 2016

MODELING THE DEEP DRAWING OF AN AISI 304 STAINLESS-STEEL RECTANGULAR CUP USING THE FINITE-ELEMENT METHOD AND AN EXPERIMENTAL VALIDATION

Şener B. , Kurtaran H.

MATERIALI IN TEHNOLOGIJE, cilt.50, ss.961-965, 2016

A Comparison of Warm and Combined Warm and Low-Temperature Processing Routes for the Equal-Channel Angular Pressing of Pure Titanium

Bulutsuz A. , Chrominski W., Huang Y., Kral P., YURCÍ M. E. , Lewandowska M., et al.

ADVANCED ENGINEERING MATERIALS, cilt.22, 2020

Incremental Severe Plastic Deformation Effect on Mechanical and Microstructural Characteristics of AA6063

GÜNAY BULUTSUZ A. , Chrominski W.

Transactions of the Indian Institute of Metals, no.1, 2020

Investigation UV-treatment and surface modifications effect on surface energy and aging behaviour of biomedical surfaces

Bulutsuz A.

International Journal of Surface Science and Engineering, cilt.14, ss.223-237, 2020

Ultrasonic Assisted Incremental Equal Angular Channel Pressing Process of AA 6063

GÜNAY BULUTSUZ A.

Advanced Engineering Materials, no.10, 2020

Tribological behavior of a hydrostatically extruded ultra-fine grained Ti-13Nb-13Zr alloy

Bulutsuz A. , Yurci M. E. , Ozaltin K., Chrominski W., Lewandowska M.

MATERIALS TESTING, cilt.61, ss.543-548, 2019

Biological responses of ultrafine grained pure titanium and their sand blasted surfaces

Günay Bulutsuz A. , Berrak Ö., Yeprem H. A. , Arisan E. D. , Yurci M. E.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.91, ss.382-388, 2018

Optimization Process Parameters of Equal Angular Channel Pressing According to the Measurement Results of Microstructural Homogeneity

GÜNAY BULUTSUZ A. , YURCÍ M. E. , Durakbaşa N.

MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS, cilt.21, ss.1-9, 2018

Microstructure and Texture Evolutions of Biomedical Ti-13Nb-13Zr Alloy Processed by Hydrostatic Extrusion

OZALTIN K., PANIGRAHI A., CHROMINSKI W., Bulutsuz A. , Kulczyk M., Zehetbauer M. J. , et al.

METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, ss.5747-5755, 2017

Influence of Surface Modification Methods on the Topography of Dental Implants by Using Metrological Observation Techniques

Bulutsuz A. , MERCAN C. U. , Karapinar G., Katiboglu A. B. , LEWANDOWSKA M.

ACTA PHYSICA POLONICA A, cilt.129, ss.625-627, 2016

Measurement of temperature change during the implant site preparation to determine influence of tool characteristics

Bulutsuz A. , Tanyel R. C. , Katiboglu A. B.

MEASUREMENT, cilt.79, ss.354-359, 2016

Effect of loading rate on cohesive parameters of the adhesive Araldite 2015

Erbayrak E., ÖZER H.

MATERIALS TESTING, cilt.62, ss.943-949, 2020

The effects of curing temperature on fracture energy and cohesive parameters for the adhesive Araldite 2015

ÖZER H. , Erbayrak E.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, cilt.32, ss.1287-1312, 2018

The use of the exponential Drucker-Prager material model for defining the failure loads of the mono and bi-adhesive joints

ÖZER H. , ÖZ Ö.

INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, cilt.76, ss.17-29, 2017

An experimental investigation on the failure loads of the mono and bi-adhesive joints

ÖZ Ö., ÖZER H.

JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, cilt.31, ss.2251-2270, 2017

Virtual Crack Closure Technique on Delamination Fracture Toughness of Composite Materials Based on Epoxy Resin Filled with Micro-Scale Hard Coal

Uysal M.

ACTA PHYSICA POLONICA A, cilt.131, ss.59-61, 2017

Buckling behaviours of functionally graded polymeric thin-walled hemispherical shells

Uysal M.

STEEL AND COMPOSITE STRUCTURES, cilt.21, ss.849-862, 2016

Three-Dimensional Finite Element Analysis of Mixed Adhesive Bonded Joints under In-Plane Shear Loading

Uysal M.

ACTA PHYSICA POLONICA A, cilt.129, ss.448-450, 2016

Joint Strength Optimization of Bi-Adhesively Bonded Composite-Aluminum Sandwich Structure

Uysal M.

ACTA PHYSICA POLONICA A, cilt.129, ss.445-447, 2016

A Bonded Plate Having Orthotropic Inclusion in the Adhesive Layer under In-Plane Shear Loading

Uysal M. , Güven U.

JOURNAL OF ADHESION, cilt.92, ss.214-235, 2016

Buckling Behaviour of Short Cylindrical Functionally Gradient Polymeric Materials

Uysal M. , KREMZER M.

ACTA PHYSICA POLONICA A, cilt.127, ss.1355-1357, 2015

Buckling of functional graded polymeric sandwich panel under different load cases

Uysal M. , GÜVEN U.

COMPOSITE STRUCTURES, cilt.121, ss.182-196, 2015

A NONLINEAR ELECTROMECHANICAL PENDULUM ARM WITH A NONLINEAR ENERGY SINK CONTROL (NES) APPROACH

Alisverisci G. F. , BAYIROĞLU H. , Palacios Felix J. L. , BALTHAZAR J. M. , Rebello da Fonseca Brasil R. M. L.

JOURNAL OF THEORETICAL AND APPLIED MECHANICS, cilt.54, ss.975-986, 2016

An experimental investigation on heat transfer characteristics arising over an underfloor cooling system exposed to different radiant heating loads through walls

Karakoyun Y. , Açıkgöz Ö. , Yumurtacı Z. , Dalkılıç A. S.

APPLIED THERMAL ENGINEERING, cilt.164, 2020

Realistic experimental heat transfer characteristics of radiant floor heating using sidewalls as heat sinks

Açıkgöz Ö. , Karakoyun Y. , Yumurtacı Z. , Dukhan N., Dalkılıç A. S.

ENERGY AND BUILDINGS, cilt.183, ss.515-526, 2019

The Effect of Inlet Blade Angle Variation on Cavitation Performance of a Centrifugal Pump: A Parametric Study

Dönmez A. H. , Yumurtacı Z. , Kavurmacıoğlu L.

Journal Of Fluids Engineering-Transactions Of The Asme, cilt.141, 2019

Comparison of environmental flow assessment methods with a case study on a runoff river-type hydropower plant using hydrological methods

KARAKOYUN Y. , Donmez A. H. , YUMURTACI Z.

ENVIRONMENTAL MONITORING AND ASSESSMENT, cilt.190, 2018

Electricity demand forecast of Turkey based on hydropower and windpower potential

DÖNMEZ A. H. , KARAKOYUN Y. , YUMURTACI Z.

ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, cilt.12, ss.85-90, 2017

Geographical Dispersion and Environmental Impact Assessment of Wind Power Generation in Turkey

YUMURTACI Z. , Demirhan Y.

INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.1, ss.10-15, 2017

Environmental flow assessment for energy generation sustainability employing different hydraulic evaluation methods: Cambasi hydropower plant case study in Turkey

KARAKOYUN Y. , YUMURTACI Z. , Donmez A. H.

CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, cilt.18, ss.583-591, 2016

Fragmentation of a Turkish Low Rank Coal During Fixed-bed Evaporative Drying Process

PUSAT Ş. , AKKOYUNLU M. T. , ERDEM H. H.

International Journal Of Coal Preparation And Utilization, no.1, ss.1-9, 2018

An experimental investigation of single lignite particle dried insuperheated steam and hot air

Celen P. , Erdem H. H.

International Journal Of Coal Preparation And Utilization, no.1, ss.1-9, 2018

Determination of performance degradation of a marine diesel engine by using curve based approach

Kökkülünk G. , Parlak A. , Erdem H. H.

APPLIED THERMAL ENGINEERING, cilt.108, ss.1136-1146, 2016

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 I.

ENERGY, cilt.90, ss.1563-1568, 2015

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. , et al.

APPLIED THERMAL ENGINEERING, cilt.86, ss.35-42, 2015

Drying kinetics of coarse lignite particles in a fixed bed

PUSAT Ş. , Akkoyunlu M. T. , ERDEM H. H. , Dagdas A.

FUEL PROCESSING TECHNOLOGY, cilt.130, ss.208-213, 2015

Formulating a novel combined equation for coal calorific value estimation by group method data handling type neural network

AKKAYA A. V. , ÇETİN B.

Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020

Technical and economic analysis of the conversion on an existing coal-fired thermal power plant to solar-aided hybrid power plant

Çetin B. , Avcı H.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.35, no.2020, ss.1027-1045, 2020

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. , et al.

APPLIED THERMAL ENGINEERING, cilt.86, ss.35-42, 2015

Modifying hydraulic press brake by variable speed drive application: energy saving, CO2 reduction, and economic analysis

Caliskan O., Akkaya A. V.

Energy Efficiency, cilt.13, ss.1031-1046, 2020

Coal higher heating value prediction using constituents of proximate analysis: Gaussian process regression model

AKKAYA A. V.

International Journal of Coal Preparation and Utilization, ss.1-16, 2020

Predicting coal elemental components from proximate analysis: Explicit versus implicit nonlinear models

Akkaya A. V.

Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019

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. , et al.

APPLIED THERMAL ENGINEERING, cilt.86, ss.35-42, 2015

Using hybridized ANN-GA prediction method for DOE performed drying experiments

Akkoyunlu M. C. , Pekel E., Akkoyunlu M. T. , PUSAT Ş.

DRYING TECHNOLOGY, cilt.38, ss.1393-1399, 2020

Decision tree regression model to predict low-rank coal moisture content during convective drying process

Pekel E., Akkoyunlu M. C. , Akkoyunlu M. T. , PUSAT Ş.

INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION, cilt.40, ss.505-512, 2020

Explicit equation derivation for predicting coal moisture content in convective drying process by GMDH-type neural network

PUSAT Ş. , AKKAYA A. V.

INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION, 2020

A simple approach to estimate ambient temperature bin data

PUSAT Ş.

ENERGY EFFICIENCY, cilt.12, ss.1053-1064, 2019

Moisture content estimation during fixed bed drying process with design of experiment and ANFIS methods

Akkoyunlu M. T. , PEKEL E. , AKKOYUNLU M. C. , PUSAT Ş. , ÖZKAN C. , Kara S. S.

INTERNATIONAL JOURNAL OF OIL GAS AND COAL TECHNOLOGY, cilt.22, ss.332-345, 2019

Heating design temperatures, freezing degree-hours and number of freezing hours for selected cities in Turkey

PUSAT Ş.

INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.17, ss.266-278, 2019

Determination of Effective Parameters for Coal Moisture Content Determination Using a 'Design of Experiment' Method

Akkoyunlu M. T. , Pekel E. , Akkoyunlu M. C. , PUSAT Ş. , Özkan C. , Kara S.

INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION, cilt.38, ss.443-450, 2018

Evaluation of wind energy potential in a university campus

PUSAT Ş. , Akkoyunlu M. T.

INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.14, ss.118-130, 2018

A new empirical correlation to model drying characteristics of low rank coals

PUSAT Ş. , Akkoyunlu M. T.

INTERNATIONAL JOURNAL OF OIL GAS AND COAL TECHNOLOGY, cilt.15, ss.287-297, 2017

Drying Characteristics of Coarse Low-Rank-Coal Particles in a Fixed-Bed Dryer

PUSAT Ş. , ERDEM H. H.

INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION, cilt.37, ss.303-313, 2017

Bin weather data for different climates of Turkey

PUSAT Ş. , Ekmekci I.

INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.12, ss.85-98, 2017

Estimation of coal moisture content in convective drying process using ANFIS

Pusat Ş. , Akkoyunlu M. T. , Pekel E. , Akkoyunlu M. C. , Özkan C. , Kara S.

FUEL PROCESSING TECHNOLOGY, cilt.147, ss.12-17, 2016

A study on degree-day regions of Turkey

PUSAT Ş. , Ekmekci I.

ENERGY EFFICIENCY, cilt.9, ss.525-532, 2016

Determination of economic upper limit of drying processes in coal-fired power plants

Akkoyunlu M. T. , ERDEM H. H. , PUSAT Ş.

DRYING TECHNOLOGY, cilt.34, ss.420-427, 2016

Prediction of Accurate Values for Outliers in Coal Drying Experiments

Akkoyunlu M. T. , Akkoyunlu M. C. , Pusat Ş. , Özkan C.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.40, ss.2721-2727, 2015

Economical evaluation of a cogeneration system for a building complex

Adiguzel N., ÇOMAKLI Ö., Ekmekci I., PUSAT Ş.

ADVANCES IN MECHANICAL ENGINEERING, cilt.7, 2015

Generation of typical meteorological year for different climates of Turkey

PUSAT Ş. , Ekmekci I., Akkoyunlu M. T.

RENEWABLE ENERGY, cilt.75, ss.144-151,

Effects of Bed Height and Particle Size on Drying of a Turkish Lignite

PUSAT Ş. , Akkoyunlu M. T. , ERDEM H. H. , Teke I.

INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION, cilt.35, ss.196-205, 2015

Thermodynamic modeling of a solar energy based combined cycle with rock bed heat storage system

ÖZTÜRK M. , DİNCER İ. , JAVANI N.

Solar Energy, cilt.200, ss.51-60, 2020

Design and analysis of a combined floating photovoltaic system for electricity and hydrogen production

Temiz M., JAVANI N.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, ss.3457-3469, 2020

Application of a ground source heat pump system with PCM-embedded radiant wall heating for buildings

Oruc O., DİNCER İ. , JAVANI N.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.43, ss.6542-6550, 2019

A parametric study of polymer membrane electrolyser performance, energy and exergy analyses

Nafchi F. M. , Afshari E., Baniasadi E., JAVANI N.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, ss.18662-18670, 2019

Exergoeconomic optimisation of an air cooled heat exchanger with copper oxide nanoparticles

JAVANI N.

INTERNATIONAL JOURNAL OF EXERGY, cilt.30, ss.259-274, 2019

Performance assessment of a solar hydrogen and electricity production plant using high temperature PEM electrolyzer and energy storage

Nafchi F. M. , BANIASADI E., AFSHARI E., JAVANI N.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.5820-5831, 2018

Hydrogen production via supercritical water gasification of almond shell over algal and agricultural hydrochars as catalysts

Safari F., JAVANI N. , YUMURTACI Z.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.1071-1080, 2017

A parametric study on thermodynamic performance of a SOFC oriented hybrid energy system

Inac S., Unuerdi S. O. , Midilli A.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, ss.10043-10058, 2019

Exergetic performance comparison of air and hydrogen gas flowing through the annular curved duct

Midilli A. , Kucuk H., Akbulut U.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.10859-10868, 2018

Exergetic sustainability indicators for a high pressure hydrogen production and storage system

Midilli A. , Inac S., Ozsaban M.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.21379-21391, 2017

A parametric study on exergetic performance of a YSZ electrolyte supported SOFC stack

Midilli A. , Akbulut U., Dincer I.

INTERNATIONAL JOURNAL OF EXERGY, cilt.24, ss.173-200, 2017

Thermodynamic comparison of a steam, hot water and hot air production system consuming Soma and Afsin lignites under stoichiometric conditions

Yalcin S., Midilli A. , Konukman A. E. S.

INTERNATIONAL JOURNAL OF EXERGY, cilt.23, ss.101-128, 2017

Exergetic sustainability improvement potentials of a hydrogen fuelled turbofan engine UAV by heating its fuel with exhaust gasses

Kaya N., Turan O., Midilli A. , Karakoc T. H.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.8307-8322, 2016

Parametric study of exergetic sustainability performances of a high altitude long endurance unmanned air vehicle using hydrogen fuel

Kaya N., Turan O., Karakoc T. H. , Midilli A.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.8323-8336, 2016

A parametric study on exergetic sustainability aspects of high-pressure hydrogen gas compression

Ozsaban M., Midilli A.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.5321-5334, 2016

Exergetic sustainability assessment of a HALE UAV using dodecene fuel

Kaya N., Turan O., Midilli A. , Karakoc T. H.

INTERNATIONAL JOURNAL OF EXERGY, cilt.21, ss.87-109, 2016

Green hydrogen energy system: a policy on reducing petroleum-based global unrest

Midilli A.

INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.10, ss.354-370, 2016

Exergetic Sustainability Indicators as a Tool in Commercial Aircraft: A Case Study for a Turbofan Engine

Aydin H., Turan O., Karakoc T. H. , Midilli A.

INTERNATIONAL JOURNAL OF GREEN ENERGY, cilt.12, ss.28-40, 2015

Assessment of exergetic sustainability indicators for a single layer solar drying system

Midilli A. , Kucuk H.

INTERNATIONAL JOURNAL OF EXERGY, cilt.16, ss.278-292, 2015

Three-Dimensional Fluid-Structure Interaction Case Study on Elastic Beam

Tabatabaei Malazi M., Eren E. T. , Luo J., Mi S., TEMİR G.

JOURNAL OF MARINE SCIENCE AND ENGINEERING, cilt.8, 2020

Numerical Investigation on the Collision between a Solitary Wave and a Moving Cylinder

Eren E. T. , Malazi M. T. , TEMİR G.

WATER, cilt.12, 2020

Investigation of heat transfer in tandem and staggered arrangement of wires on single layer wire-on-tube condensers in cross-flow

GÖNÜL A. , AĞRA Ö.

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.158, 2020

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, cilt.151, 2020

Experimental and numerical investigation of ground heat exchangers in the building foundation

Kayaci N., Demir H. , Kanbur B. B. , Atayılmaz Ş. Ö. , Ağra Ö. , Acet R. C. , et al.

ENERGY CONVERSION AND MANAGEMENT, cilt.188, ss.162-176, 2019

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.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, cilt.53, ss.2677-2692, 2017

Modelling the optimum distribution of insulation material

SEVİNDİR M. K. , DEMİR H. , AĞRA Ö. , ATAYILMAZ Ş. Ö. , Teke İ.

Renewable Energy, cilt.113, ss.74-84, 2017

EVALUATION OF DRYING KINETICS OF SLURRED CERAMIC RAW MATERIALS

AĞRA Ö. , GÖNÜL A.

ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, cilt.37, no.1, ss.45-52, 2017

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, cilt.7, 2015

Experimental investigation of effect of different tube row-numbers, fin pitches and operating conditions on thermal and hydraulic performances of louvered and wavy finned heat exchangers

Okbaz A., PINARBAŞI A. , Olcay A. B.

INTERNATIONAL JOURNAL OF THERMAL SCIENCES, cilt.151, 2020

An experimental, computational and flow visualization study on the air-side thermal and hydraulic performance of louvered fin and round tube heat exchangers

Okbaz A. , Pınarbaşı A. , Olcay A. B. , Hilmi Aksoy M.

International Journal of Heat and Mass Transfer, cilt.121, ss.153-169, 2018

Investigations on performance and emission characteristics of an industrial low swirl burner while burning natural gas, methane, hydrogen-enriched natural gas and hydrogen as fuels

Cellek M. S. , Pınarbaşı A.

International Journal of Hydrogen Energy, cilt.43, ss.1194-1207, 2018

An experimental study for determination of convective heat transfer coefficients on cooling monofilament

Patkavak M., DEMİR H.

International Journal of Heat and Mass Transfer, cilt.149, 2020

Comparative performance analysis of building foundation Ground heat exchanger

Kayaci N., Demir H.

Geothermics, cilt.83, 2020

Numerical modelling of transient soil temperature distribution for horizontal ground heat exchanger of ground source heat pump

Kayaci N. , DEMİR H.

Geothermics, cilt.73, ss.33-47, 2018

Long time performance analysis of ground source heat pump for space heating and cooling applications based on thermo-economic optimization criteria

Kayaci N. , DEMİR H.

Energy and Buildings, cilt.163, ss.121-139, 2018

Design and thermodynamic analysis of a solar-assisted cini ceramic drying system

Buyukakin M. K. , Oztuna S., Demir H.

RENEWABLE ENERGY, cilt.111, ss.147-156, 2017

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.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, cilt.53, ss.2677-2692, 2017

Modelling the optimum distribution of insulation material

SEVİNDİR M. K. , DEMİR H. , AĞRA Ö. , ATAYILMAZ Ş. Ö. , Teke İ.

Renewable Energy, cilt.113, ss.74-84, 2017

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, cilt.7, 2015

Development of a combined flash and binary geothermal system integrated with hydrogen production for blending into natural gas in daily applications

ÖZTÜRK M. , DİNCER İ.

Energy Conversion and Management, cilt.227, 2021

A Comparative Life-Cycle Assessment of Two Cogeneration Plants

Siddiqui O., DINCER İ.

ENERGY TECHNOLOGY, cilt.8, 2020

Development of renewable energy system integrated with hydrogen and natural gas subsystems for cleaner combustion

ÖZTÜRK M. , DINCER İ.

Journal of Natural Gas Science and Engineering, cilt.83, 2020

A comprehensive study on using new hydrogen-natural gas and ammonia-natural gas blends for better performance

Ishaq H., Dincer I.

JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, cilt.81, 2020

Performance investigation of adding clean hydrogen to natural gas for better sustainability

Ishaq H., Dincer I.

JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, cilt.78, 2020

A novel renewable energy-based integrated system with thermoelectric generators for a net-zero energy house

Islam S., Dincer I. , Yilbas B. S.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.44, ss.3458-3477, 2020

Thermodynamic modeling of a solar energy based combined cycle with rock bed heat storage system

ÖZTÜRK M. , DINCER İ. , JAVANI N.

Solar Energy, cilt.200, ss.51-60, 2020

Exergoeconomic analysis of a solar assisted tea drying system

ÖZTÜRK M. , DINCER İ.

Drying Technology, cilt.38, ss.655-662, 2020

Thermodynamic analysis of a novel solar and geothermal based combined energy system for hydrogen production

Karapekmez A., DINCER İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, ss.5608-5628, 2020

Exergoeconomic analysis and optimization of a new hybrid fuel cell vehicle

Ezzat M., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, ss.5734-5744, 2020

A comparative evaluation of OTEC, solar and wind energy based systems for clean hydrogen production

Ishaq H., DINCER İ.

JOURNAL OF CLEANER PRODUCTION, cilt.246, 2020

A perspective on hydrogen energy research, development and innovation activities in Turkey

Arat H. T. , Baltacioglu M. K. , Tanc B. , Surer M. G. , Dincer İ.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.44, ss.588-593, 2020

The potential role of hydrogen as a sustainable transportation fuel to combat global warming

ACAR C., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, ss.3396-3406, 2020

Comparative efficiency and environmental impact assessments of a solar-assisted combined cycle with various fuels

Karapekmez A., DİNCER İ.

APPLIED THERMAL ENGINEERING, cilt.164, 2020

An integrated system for ammonia production from renewable hydrogen: A case study

ÖZTÜRK M. , DİNCER İ.

International Journal of Hydrogen Energy, 2020

Evaluation of hydrogen production via electrolysis with ion exchange membranes

Yuzer B., Selcuk H., Chehade G., Demir M. E. , Dincer I.

ENERGY, cilt.190, 2020

Development and evaluation of a new hybrid ammonia fuel cell system with solar energy

Siddiqui O., Dincer İ.

ENERGY, cilt.189, 2019

Design and analysis of a new system for photoelectrochemical hydrogen production from wastewater

Demir M. E. , Chehade G., Dincer İ. , Yuzer B., Selcuk H.

ENERGY CONVERSION AND MANAGEMENT, cilt.199, 2019

Transition to a new era with light-based hydrogen production for a carbon-free society: An overview

Acar C., Bicer Y., Demir M. E. , Dincer İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, ss.25347-25364, 2019

Development of an integrated wind and PV system for ammonia and power production for a sustainable community

Hasan A., Dincer İ.

JOURNAL OF CLEANER PRODUCTION, cilt.231, ss.1515-1525, 2019

Synergistic effects of advanced oxidization reactions in a combination of TiO₂ photocatalysis for hydrogen production and wastewater treatment applications

Demir M. E. , Chehade G., Dincer İ. , Yuzer B., Selcuk H.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, ss.23856-23867, 2019

Enhanced CANDU reactor with heat upgrade for combined power and hydrogen production

El-Emam R. S. , Dincer İ. , Zamfirescu C.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, ss.23580-23588, 2019

Multi-objective optimization and analysis of a solar energy driven steam and autothermal combined reforming system with natural gas

Ishaq H., Dincer İ.

JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, cilt.69, 2019

Analysis and assessment of using an integrated solar energy based system in crude oil refinery

Altayib K., Dincer I.

APPLIED THERMAL ENGINEERING, cilt.159, 2019

Investigation of a unique integrated photoelectrochemical system for multigeneration purposes

Acar C., Dincer İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, ss.18756-18766, 2019

Energetic and exergetic assessments of a novel solar power tower based multigeneration system with hydrogen production and liquefaction

Yuksel Y. E. , Ozturk M., Dincer İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, ss.13071-13084, 2019

Review and evaluation of hydrogen production options for better environment

Acar C., Dincer İ.

JOURNAL OF CLEANER PRODUCTION, cilt.218, ss.835-849, 2019

Comparative environmental impact assessment of various fuels and solar heat for a combined cycle

ÖZTÜRK M. , DİNCER İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, ss.5043-5053, 2019

Exergy analysis of tea drying in a continuous vibro-fluidised bed dryer

ÖZTÜRK M. , DİNCER İ.

INTERNATIONAL JOURNAL OF EXERGY, cilt.30, ss.376-391, 2019

Life cycle assessment of hydrogen-based electricity generation in place of conventional fuels for residential buildings

ÖZTÜRK M. , DİNCER İ.

International Journal of Hydrogen Energy, 2019

Environmental impact assessment of using various fuels in a thermal power plant

Oruc O., DINCER İ.

INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.18, ss.191-205, 2019

Energy and exergy analyses of a HCCI engine-based system running on hydrogen enriched wet-ethanol fuel

KHALIQ A., ISLAM S., Dincer I.

INTERNATIONAL JOURNAL OF EXERGY, cilt.28, ss.72-95, 2019

A Comparative Study of Syngas Production From Two Types of Biomass Feedstocks With Waste Heat Recovery

ISLAM S., Dincer I.

JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME, cilt.140, 2018

Development and analysis of a new integrated solar energy system with thermal storage for fresh water and power production

Demir M. E. , Dincer I.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.42, ss.2864-2874, 2018

Cost evaluation of two potential nuclear power plants for hydrogen production

Sorgulu F. , Dincer İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.10522-10529, 2018

Modelling of hydrogen production from hydrogen sulfide in geothermal power plants

KARAPEKMEZ A., DINCER İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.10569-10579, 2018

Energetic and exergetic investigations of an innovative light-based hydrogen production reactor

Acar C., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.10249-10257, 2018

Cost assessment and evaluation of various hydrogen delivery scenarios

Demir M. E. , Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.10420-10430, 2018

Smart energy solutions with hydrogen options

Dincer I. , Acar C.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.8579-8599, 2018

Life cycle environmental impact assessments and comparisons of alternative fuels for clean vehicles

BİÇER Y., Dincer I.

RESOURCES CONSERVATION AND RECYCLING, cilt.132, ss.141-157, 2018

A renewable source based hydrogen energy system for residential applications

Sorgulu F. , Dincer İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.5842-5851, 2018

Experimental investigation of an improved version of the four-step magnesium-chlorine cycle

ÖZCAN H., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.5808-5819, 2018

Analysis and performance assessment of NH₃ and H₂ fed SOFC with proton-conducting electrolyte

Kalinci Y., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.5795-5807, 2018

Thermodynamic analysis and assessment of a novel integrated geothermal energy-based system for hydrogen production and storage

Yuksel Y. E. , Ozturk M., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.4233-4243, 2018

Comparative assessments of two integrated systems with/without fuel cells utilizing liquefied ammonia as a fuel for vehicular applications

EZZAT M. F. , Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.4597-4608, 2018

Environmental impact categories of hydrogen and ammonia driven transoceanic maritime vehicles: A comparative evaluation

BİÇER Y., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.4583-4596, 2018

Development of a New Heliostat Field-Based Integrated Solar Energy System for Cogeneration

RABBANI M., RATLAMWALA T. A. H. , Dincer I.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.43, ss.1267-1277, 2018

Thermodynamic analysis and experimental investigation of a unique photoelectrochemical hydrogen production system

Acar C., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.4223-4232, 2018

Development of a novel solar-based integrated system for desalination with heat recovery

ISLAM S., Dincer I. , YILBAS B. S.

APPLIED THERMAL ENGINEERING, cilt.129, ss.1618-1633, 2018

Development, analysis and assessment of solar energy-based multigeneration system with thermoelectric generator

ISLAM S., Dincer I. , YILBAS B. S.

ENERGY CONVERSION AND MANAGEMENT, cilt.156, ss.746-756, 2018

Clean fuel options with hydrogen for sea transportation: A life cycle approach

BİÇER Y., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.1179-1193, 2018

Thermodynamic analyses of a solar-based combined cycle integrated with electrolyzer for hydrogen production

SORGULU F. , DİNCER İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.1047-1059, 2018

Energetic and exergetic performance evaluations of a geothermal power plant based integrated system for hydrogen production

Yuksel Y. E. , Ozturk M., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.78-90, 2018

Life cycle assessment of ammonia utilization in city transportation and power generation

BİÇER Y., Dincer I.

JOURNAL OF CLEANER PRODUCTION, cilt.170, ss.1594-1601, 2018

Energy and exergy analyses of a novel photoelectrochemical hydrogen production system

Acar C., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.30550-30558, 2017

Development of a hybrid solar thermal system with TEG and PEM electrolyzer for hydrogen and power production

Demir M. E. , Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.30044-30056, 2017

Energy and exergy analyses of a solar based hydrogen production and compression system

ÖZCAN H., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.21414-21428, 2017

Thermodynamic and electrochemical analyses of a solid oxide electrolyzer for hydrogen production

ALZHRANI A. A. , Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.21404-21413, 2017

Life cycle assessment of nuclear-based hydrogen and ammonia production options: A comparative evaluation

BİÇER Y., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.21559-21570, 2017

Electrochemical impedance spectroscopic assessment and analysis of a newly developed photoelectrochemical cell

BİÇER Y., DİNCER İ.

CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION, cilt.117, ss.141-153, 2017

Performance assessment of a thermoelectric generator applied to exhaust waste heat recovery

Demir M. E. , Dincer I.

APPLIED THERMAL ENGINEERING, cilt.120, ss.694-707, 2017

Innovation in hydrogen production

Dincer I. , Acar C.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.14843-14864, 2017

Smart energy systems for a sustainable future

Dincer I. , ACAR C.

APPLIED ENERGY, cilt.194, ss.225-235, 2017

Development and heat transfer analysis of a new heat recovery system with thermoelectric generator

Demir M. E. , Dincer I.

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.108, ss.2002-2010, 2017

Development, analysis and performance assessment of a combined solar and geothermal energy-based integrated system for multigeneration

ISLAM S., Dincer I.

SOLAR ENERGY, cilt.147, ss.328-343, 2017

Life cycle evaluation of hydrogen and other potential fuels for aircrafts

BİÇER Y., DİNCER İ.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.10722-10738, 2017

Analysis and assessment of a novel hydrogen liquefaction process

Yuksel Y. E. , Ozturk M., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.11429-11438, 2017

Development of an integrated hybrid solar thermal power system with thermoelectric generator for desalination and power production

Demir M. E. , Dincer I.

DESALINATION, cilt.404, ss.59-71, 2017

Testing and performance evaluation of a hybrid photoelectrochemical hydrogen production system

ACAR C., Dincer I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.42, ss.3605-3613, 2017

Transient modeling of a gas-liquid piston-cylinder mechanism for low temperature energy conversion applications

ÖZCAN H., Zamfirescu C., Dincer İ. , Hariri S., Hariri A. A.

INTERNATIONAL JOURNAL OF THERMAL SCIENCES, cilt.111, ss.525-532, 2017

Development, analysis and assessment of a fuel cell and solar photovoltaic system powered vehicle

Ezzat M. F. , Dincer I.

ENERGY CONVERSION AND MANAGEMENT, cilt.129, ss.284-292, 2016

Maximizing performance of fuel cell using artificial neural network approach for smart grid applications

Bicer Y., Dincer I. , AYDIN M.

ENERGY, cilt.116, ss.1205-1217, 2016

Greenization

Dincer İ.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.40, ss.2035-2037, 2016

Experimental evaluation of thermal properties of R134a clathrates based PCMs for cooling applications

Zafar S., Dincer I. , GADALLA M.

INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, cilt.72, ss.12-26, 2016

Development and analysis of an integrated system with direct splitting of hydrogen sulfide for hydrogen production

Al-Zareer M., Dincer I. , Rosen M. A.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.20036-20062, 2016

Smart energy solutions

Dincer İ.

INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.40, ss.1741-1742, 2016

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.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, cilt.53, ss.2677-2692, 2017

Modelling the optimum distribution of insulation material

SEVİNDİR M. K. , DEMİR H. , AĞRA Ö. , ATAYILMAZ Ş. Ö. , Teke İ.

Renewable Energy, cilt.113, ss.74-84, 2017

Experimental investigation of heat transfer and dehumidifying performance of novel condensing panel

KOCA A., ATAYILMAZ Ş. Ö. , AĞRA Ö.

Energy and Buildings, cilt.129, ss.120-137, 2016

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 I.

JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, cilt.7, 2015

Single phase flow heat transfer characteristics of quad-channel twisted tape inserts in tubes

DALKILIÇ A. S. , Uluç B., Celtek M. S. , CELEN A., Jumpholkul C., Newaz K. S. , et al.

International Communications in Heat and Mass Transfer, cilt.118, 2020

Experimental investigation on two-phase heat transfer of R-134a during vaporization in a plate heat exchanger with rough surface

Soontarapiromsook J., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O., Wongwises S., Ahn H. S.

International Journal of Heat and Mass Transfer, cilt.160, 2020

Effects of Sonication Time on the Stability and Viscosity of Functionalized MWCNT-Based Nanolubricants

Dalkiliç A. S. , Küçükyıldırım B. O. , Akdoğan Eker A. , Yıldız F., Akpınar A., Jumpholkul C., et al.

Current Nanoscience, cilt.16, ss.639-654, 2020

Effect of saturation temperature and vapor quality on the boiling heat transfer and critical heat flux in a microchannel

DALKILIÇ A. S. , CELEN A., Erdoğan M., Sakamatapan K., Newaz K. S. , Wongwises S.

International Communications in Heat and Mass Transfer, cilt.117, 2020

Two-phase flow boiling in a microfluidic channel at high mass flux

Keepaiboon C., DALKILIÇ A. S. , Mahian O., Ahn H. S. , Wongwises S., Mondal P. K. , et al.

PHYSICS OF FLUIDS, cilt.32, 2020

Effect of geometrical parameters on the evaporative heat transfer and pressure drop of R-134a flowing in dimpled tubes

Aroonrat K., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O., Ahn H. S. , Wongwises S.

HEAT AND MASS TRANSFER, 2020

Experimental investigation of the heat transfer and pressure drop characteristics of SiO₂/water nanofluids flowing through a circular tube equipped with free rotating swirl generators

Jumpholkul C., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O., Ahn H. S. , Jerng D., et al.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, cilt.56, ss.1613-1626, 2020

Optimization of the finned double-pipe heat exchanger using nanofluids as working fluids

DALKILIÇ A. S. , MERCAN H. , Ozcelik G., Wongwises S.

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, 2020

Single phase flow of nanofluid including graphite and water in a microchannel

Yıldız O., Açıköz Ö. , Yıldız G., Bayrak M., Dalkılıç A. S. , Wongwises S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, cilt.56, ss.1-24, 2020

Heat transfer and fluid flow characteristics in a plate heat exchanger filled with copper foam

Nilpueng K., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O., Ahn H. S. , Wongwises S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, 2020

Experimental and numerical studies on heat transfer enhancement for air conditioner condensers using a wavy fin with a rectangular winglet

Chimres N., Chittiphalsri T., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O., Wongwises S.

Journal of Mechanical Science and Technology, 2020

Experimental study on evaporative heat transfer and pressure drop of R-134a in a horizontal dimpled tube

Aroonrat K., Ahn H. S. , Jerng D., Asirvatham L. G. , DALKILIÇ A. S. , Mahian O., et al.

International Journal of Heat and Mass Transfer, cilt.144, 2019

Application of the heat pipe to enhance the performance of the vapor compression refrigeration system

Nakkaew S., Chitipalungsri T., Ahn H. S. , Jerng D. W. , Asirvatham L. G. , DALKILIÇ A. S. , et al.

CASE STUDIES IN THERMAL ENGINEERING, cilt.15, 2019

An experimental investigation on heat transfer characteristics of graphite-SiO₂/water hybrid nanofluid flow in horizontal tube with various quad-channel twisted tape inserts

Dalkılıç A. S. , Türk O. A. , Mercan H. , Nakkaew S., Wongwises S.

International Communications in Heat and Mass Transfer, cilt.107, ss.1-13, 2019

Realistic experimental heat transfer characteristics of radiant floor heating using sidewalls as heat sinks

Açıköz Ö. , Karakoyun Y. , Yumurtacı Z. , Dukhan N., Dalkılıç A. S.

ENERGY AND BUILDINGS, cilt.183, ss.515-526, 2019

Sizing charts of helical capillary tubes used in refrigeration and air conditioning

Chingulpitak S., Mahian O., DALKILIÇ A. S. , Asirvatham L. G. , Wongwises S.

SCIENCE AND TECHNOLOGY FOR THE BUILT ENVIRONMENT, cilt.25, ss.1-10, 2019

Thermal performance of plate fin heat sink combined with copper foam

Nilpueng K., Amani J., DALKILIÇ A. S. , Asirvatham L. G. , Mahian O., Wongwises S.

Heat Transfer Research, cilt.50, ss.1595-1613, 2019

Investigation of boiling heat transfer characteristics of R134a flowing in smooth and microfin tubes

Celen A., Cebi A. , Dalkılıç A. S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.93, ss.21-33, 2018

A model of energy management analysis, case study of a sugar factory in Turkey

Taner T., Sivrioglu M., Topal H., DALKILIÇ A. S. , Wongwises S.

SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, cilt.43, 2018

Effect of surface roughness on the condensation of R-134a in vertical chevron gasketed plate heat exchangers

Soontarapiromsook J., Mahian O., Dalkilic A. S. , Wongwises S.

EXPERIMENTAL THERMAL AND FLUID SCIENCE, cilt.91, ss.54-63, 2018

Experimental investigation on the flow boiling of R134a in a multi-microchannel heat sink

Dalkılıç A. S. , Ozman C., Sakamatapan K., Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.91, ss.125-137, 2018

An experimental investigation devoted to determine heat transfer characteristics in a radiant ceiling heating system

Koca A., Açığöz Ö. , Çebi A. , Çetin G., Dalkılıç A. S. , Wongwises S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, cilt.54, ss.363-375, 2018

Experimental Study on the Stability and Viscosity for the Blends of Functionalized MWCNTs with Refrigeration Compressor Oils

Dalkilic A. S. , Mahian O., Kucukyildirim B. O. , Eker A. A. , Ozturk T. H. , Jumholkul C., et al.

CURRENT NANOSCIENCE, cilt.14, ss.216-226, 2018

Experimental investigation of single-phase turbulent flow of R-134a in a multiport microchannel heat sink

Dalkılıç A. S. , Mahian O., Yılmaz S., Sakamatapan K., Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.89, ss.47-56, 2017

A complete evaluation method for the experimental data of flow boiling in smooth tubes

Celen A. , Dalkılıç A. S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.89, ss.108-121, 2017

Prediction of frictional pressure drop of R134a during condensation inside smooth and corrugated tubes

DALKILIÇ A. S. , Çebi A. , AÇIKGÖZ Ö. , WONGWISES S.

International Communications in Heat and Mass Transfer, cilt.88, ss.183-193, 2017

An experimental study to determine the maximum efficiency index in turbulent flow of SiO₂/water nanofluids

Jumholkul C., Mahian O., Kasaeian A., DALKILIÇ A. S. , Wongwises S.

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.112, ss.1113-1121, 2017

Experimental investigation of frost issue on various evaporators having different fin types

Olcay A. B. , Avci P., Bayrak E., Dalkilic A. S. , Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.86, ss.190-198, 2017

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.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, cilt.53, ss.2677-2692, 2017

Artificial neural network modeling of nanofluid flow in a microchannel heat sink using experimental data

Tafarroj M. M. , Mahian O., Kasaeian A., Sakamatapan K., DALKILIÇ A. S. , Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.86, ss.25-31, 2017

A novel ANN-based approach to estimate heat transfer coefficients in radiant wall heating systems

AÇIKGÖZ Ö. , Cebi A. , DALKILIÇ A. S. , KOCA A., CETIN G., Gemici Z. , et al.

ENERGY AND BUILDINGS, cilt.144, ss.401-415, 2017

Evaluation of the performance of the empirical correlations used to predict R134a's boiling frictional pressure drop inside smooth and corrugated tubes

DALKILIÇ A. S. , Cebi A. , Celen A. , AWAD M. M. , WONGWISES S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.81, ss.8-18, 2017

Prediction of friction factor of pure water flowing inside vertical smooth and microfin tubes by using artificial neural networks

ÇEBİ A. , AKDOĞAN E. , Celen A. , DALKILIÇ A. S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, cilt.53, ss.673-685, 2017

Determination of Optimum Velocity for Various Nanofluids Flowing in a Double-Pipe Heat Exchanger

DALKILIÇ A. S. , AÇIKGÖZ Ö. , GÜMÜŞ M. A. , WONGWISES S.

HEAT TRANSFER ENGINEERING, cilt.38, ss.11-25, 2017

AIR-SIDE PERFORMANCE OF A MICRO-CHANNEL HEAT EXCHANGER IN WET SURFACE CONDITIONS

Srisomba R., Asirvatham L. G. , Mahian O., DALKILIÇ A. S. , Awad M. M. , Wongwises S.

THERMAL SCIENCE, cilt.21, ss.375-385, 2017

Empirical correlations for the determination of R134a's convective heat transfer coefficient in horizontal and vertical evaporators having smooth and corrugated tubes

Dalkilic A. S. , CELEN A. , Çebi A. , Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.76, ss.85-97, 2016

Effect of hydrogen-diesel dual-fuel usage on performance, emissions and diesel combustion in diesel engines

Karagoz Y. , SANDALCI T. , YÜKSEK L. , DALKILIÇ A. S. , WONGWISES S.

ADVANCES IN MECHANICAL ENGINEERING, cilt.8, 2016

An experimental study on two-phase flow patterns and heat transfer characteristics during boiling of R134a flowing through a multi-microchannel heat sink

Thiangtham P., Keepaiboon C., Kiatpachai P., Asirvatham L. G. , Mahian O., DALKILIÇ A. S. , et al.

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER, cilt.98, ss.390-400, 2016

Viscosity of nanofluids: A review of recent experimental studies

Bashirnezhad K., Bazri S., Safaei M. R. , Goodarzi M., Dahari M., Mahian O., et al.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.73, ss.114-123, 2016

Prediction of graphite nanofluids' dynamic viscosity by means of artificial neural networks

Dalkılıç A. S. , Cebi A. , Celen A. , Yıldız O. , Açıkgöz Ö. , Jumholkul C., et al.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.73, ss.33-42, 2016

Pressure drop characteristics of R134a during flow boiling in a single rectangular micro-channel

Keepaiboon C., Thiangtham P., Mahian O., DALKILIÇ A. S. , Wongwises S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.71, ss.245-253, 2016

Effects of hydrogen and methane addition on combustion characteristics, emissions, and performance of a CI engine

Karagoz Y. , GULER I., SANDALCI T. , YÜKSEK L. , DALKILIÇ A. S. , WONGWISES S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.1313-1325, 2016

Effect of hydrogen enrichment on combustion characteristics, emissions and performance of a diesel engine

Karagoz Y. , GÜLER I., SANDALCI T. , YÜKSEK L. , DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, ss.656-665, 2016

Effect of Refrigerant Type and Insulation Thickness on Refrigeration Systems of Land and Sea Vehicles

DALKILIÇ A. S. , Celen A. , Cebi A. , WONGWISES S.

STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, cilt.62, ss.252-259, 2016

A Review of Recent Empirical Correlations for the Calculation of Determination of R134a's Convective Heat Transfer Coefficient in Vertical Condensers

DALKILIÇ A. S. , AKTAŞ M. S. , AÇIKGÖZ Ö. , WONGWISES S.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.69, ss.41-50, 2015

Effects of hydrogen and oxygen enrichment on performance and emissions of an SI engine under idle operating condition

Karagoz Y. , SANDALCI T. , DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, ss.8607-8619, 2015

Effect of hydrogen and oxygen addition as a mixture on emissions and performance characteristics of a gasoline engine

KARAGÖZ Y. , YUCA N., SANDALCI T. , DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, ss.8750-8760, 2015

Engine performance and emission effects of diesel burns enriched by hydrogen on different engine loads

Karagoz Y. , SANDALCI T. , YÜKSEK L. , DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, ss.6702-6713, 2015

An experimental investigation on the performance characteristics of a hydroxygen enriched gasoline engine with water injection

Karagoz Y. , YÜKSEK L. , SANDALCI T. , DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, ss.692-702, 2015

A Theoretical Comparative Study on Nanorefrigerant Performance in a Single-Stage Vapor-Compression Refrigeration Cycle

Aktas M., Aktaş M., Dalkılıç A. S. , Celen A. , Çebi A. , Mahian O., et al.

ADVANCES IN MECHANICAL ENGINEERING, cilt.7, 2015

INVESTIGATION ON THE RELATION BETWEEN EXERGY LOSS AND NTU

KINCAY O. , Cellek M. S. , Acikgoz O. , Dalkilic A. S. , Wongwises S.

ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, cilt.35, ss.153-164, 2015

Experimental examination and theoretical modeling of drying behavior in the ram machine

Akan A. E. , Özkan D. B.

DRYING TECHNOLOGY, cilt.38, no.1, ss.1760-1775, 2020

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, cilt.24, ss.2035-2046, 2020

APPLICATION OF EXERGOCOECONOMIC ANALYSIS FOR POWER PLANTS

Unal F., ÖZKAN D. B.

THERMAL SCIENCE, cilt.22, ss.2653-2666, 2018 (

Determination of Drying Behaviour in Industrial Type Convective Dryer and Mathematical Modelling

AKAN A. E. , ÖZKAN D. B.

Thermal Science, 2018

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, cilt.48, ss.529-548, 2017

THEORETICAL AND EXPERIMENTAL HEAT AND MASS TRANSFER ANALYSIS FOR A FALLING FILM OUTSIDE A GROOVED TUBE

Onan C. , Özkan D. B.

EXPERIMENTAL HEAT TRANSFER, cilt.29, ss.244-265, 2016

Investigation of Natural Convection Heat Transfer Along a Uniformly Heated Vertical Plate

YILDIZ S. , Basaran B.

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.44, ss.1685-1696, 2019

Heat transfer during reflux condensation of R134a inside a micro-fin tube with different tube inclinations

YILDIZ S. , Duymaz G., Ziegler F., Auracher H.

INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, cilt.74, ss.425-434, 2017

Single phase flow of nanofluid including graphite and water in a microchannel

Yıldız O., Açığöz Ö. , Yıldız G., Bayrak M., Dalkılıç A. S. , Wongwises S.

Heat and Mass Transfer/Waerme- und Stoffuebertragung, cilt.56, ss.1-24, 2020

Realistic experimental heat transfer characteristics of radiant floor heating using sidewalls as heat sinks

Açığöz Ö. , Karakoyun Y. , Yumurtacı Z. , Dukhan N., Dalkılıç A. S.

ENERGY AND BUILDINGS, cilt.183, ss.515-526, 2019

A COMPUTATIONAL STUDY FOCUSED ON REVEALING THE RELATION BETWEEN CONVECTIVE AND RADIATIVE HEAT TRANSFER FROM A RADIANT HEATED WALL

Açığöz Ö.

HEAT TRANSFER RESEARCH, cilt.50, ss.1437-1455, 2019

Prediction of frictional pressure drop of R134a during condensation inside smooth and corrugated tubes

DALKILIÇ A. S. , Çebi A. , AÇIKGÖZ Ö. , WONGWISES S.

International Communications in Heat and Mass Transfer, cilt.88, ss.183-193, 2017

Fundamental basis and implementation of shell and tube heat exchanger project design: condenser and evaporator study

DALKILIÇ A. S. , AÇIKGÖZ Ö. , TAPAN Ş., WONGWISES S.

HEAT AND MASS TRANSFER, cilt.52, ss.2863-2878, 2016

Prediction of graphite nanofluids' dynamic viscosity by means of artificial neural networks

Dalkılıç A. S. , Cebi A. , Celen A. , Yıldız O. , Açığöz Ö. , Jumholkul C., et al.

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, cilt.73, ss.33-42, 2016

Experimental and numerical investigation of the correlation between radiative and convective heat-transfer coefficients at the cooled wall of a real-sized room

AÇIKGÖZ Ö. , Kincay O.

ENERGY AND BUILDINGS, cilt.108, ss.257-266, 2015

A novel evaluation regarding the influence of surface emissivity on radiative and total heat transfer coefficients in radiant heating systems by means of theoretical and numerical methods

Acikgoz O.

ENERGY AND BUILDINGS, cilt.102, ss.105-116, 2015

INVESTIGATION ON THE RELATION BETWEEN EXERGY LOSS AND NTU

KINCA Y O. , Cellek M. S. , Acikgoz O. , Dalkilic A. S. , Wongwiset S.

ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, cilt.35, ss.153-164, 2015

Deformations of Cylindrical Corrugated Pipes

Abdulaliyev Z., Ataoglu Ş., Gemici Z.

JOURNAL OF TESTING AND EVALUATION, cilt.45, ss.2121-2127, 2017

Predicting the Numerical and Experimental Open-Channel Flow Resistance of Corrugated Steep Circular Drainage Pipes

Gemici Z. , KOCA A., Kaya K.

JOURNAL OF PIPELINE SYSTEMS ENGINEERING AND PRACTICE, cilt.8, 2017

EXPERIMENTAL EXAMINATION OF THERMAL COMFORT PERFORMANCE OF A RADIANT WALL PANEL SYSTEM: COMPARISON BETWEEN DIFFERENT HEATING WALL CONFIGURATIONS

GEMİCİ Z.

ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, cilt.37, ss.69-78, 2017

THEORETICAL AND EXPERIMENTAL HEAT AND MASS TRANSFER ANALYSIS FOR A FALLING FILM OUTSIDE A GROOVED TUBE

Onan C. , Özkan D. B.

EXPERIMENTAL HEAT TRANSFER, cilt.29, ss.244-265, 2016

Experimental investigation of oligo cyclic compression behavior of pure epoxy and graphene-epoxy nanocomposites

ÇOLAK ÇAKIR Ö. Ü. , UZUNSOY D., Bahlouli N., Francart C.

POLYMER BULLETIN, 2020

High strain rate behavior of graphene-epoxy nanocomposites

Colak Ö. Ü. , Bahlouli N., Uzunsoy D., Francart C.

Polymer Testing, cilt.81, 2020

Investigation of tensile, viscoelastic, and viscoplastic behavior of polylactic acid manufactured by fused deposition modeling

İSTİF İ. , Feratoglu K., Colak Ö. Ü. , ACAR A.

Journal of Testing and Evaluation, cilt.49, 2019

Material model parameter estimation with genetic algorithm optimization method and modeling of strain and temperature dependent behavior of epoxy resin with cooperative-VBO model

Colak Ö. Ü. , Cakir Y.

MECHANICS OF MATERIALS, cilt.135, ss.57-66, 2019

Cooperative-VBO model for polymer/graphene nanocomposites

ACAR A. , Colak O. , Correia J., Ahzi S.

Mechanics of Materials, cilt.125, ss.1-13, 2018

Development of High Purity, Few-Layer Graphene Synthesis by Electric Arc Discharge Technique

Cotul U., Parmak E. D. S. , Kaykilarli C., Saray O., Colak Ö. Ü. , Uzunsoy D.

ACTA PHYSICA POLONICA A, cilt.134, ss.289-291, 2018

Investigation of Mechanical Properties of Graphene and Reduced Graphene Oxide Reinforced Epoxy Matrix Composites

Topal E., Parmak E., Uzunsoy D., ÇOLAK ÇAKIR Ö. Ü.

JOURNAL OF TESTING AND EVALUATION, cilt.45, ss.1182-1191, 2017

Synthesis and characterization of graphene-epoxy nanocomposites

Acar A. , Colak O. U. , Uzunsoy D.

MATERIALS TESTING, cilt.57, ss.1001-1005, 2015

Modelling of biaxial ratcheting behaviour of ultrahigh-molecular-weight polyethylene with viscoplasticity theory based on overstress for polymers

Colak O. U. , ASMAZ K.

POLYMER INTERNATIONAL, cilt.64, ss.1522-1526, 2015

Experimental and numerical analysis of the static strength and fatigue life reliability of parabolic leaf springs in heavy commercial trucks

Bozca M. , Ceyhanlı U. T.

ADVANCES IN MECHANICAL ENGINEERING, cilt.12, ss.1-17, 2020

Topology Optimisation of Engine Cross Members for Lightweight Structure in Light Commercial Vehicles

Hoke O., Bozca M.

INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING, cilt.21, ss.465-482, 2020

Transmission error model-based optimisation of the geometric design parameters of an automotive transmission gearbox to reduce gear-rattle noise

Bozca M.

APPLIED ACOUSTICS, cilt.130, ss.247-259, 2018

Vibration mitigation of nonlinear crane system against earthquake excitations with the self-tuning fuzzy logic PID controller

AZELOĞLU C. O. , SAĞIRLI A. , Edincliler A.

NONLINEAR DYNAMICS, cilt.84, ss.1915-1928, 2016

Active Vibration Control of Container Cranes against Earthquake by the Use of LMI Based Mixed H-2/H-infinity State-Feedback Controller

AZELOĞLU C. O. , SAĞIRLI A.

SHOCK AND VIBRATION, cilt.2015, 2015

Active Vibration Control of Container Cranes against Earthquake by the Use of LMI Based Mixed H2/H? State-Feedback Controller

AZELOĞLU C. O. , SAĞIRLI A.

SHOCK AND VIBRATION, cilt.2015, ss.1-13, 2015

The accumulation of astaxanthin from Haematococcus pluvialis in different stress factors

Boğoçlu M. E. , Yücel S., Keçeciler C., Özel C., Çokcan C., Tekerek B. S.

JOURNAL OF THE INDIAN CHEMICAL SOCIETY, cilt.96, ss.1143-1148, 2019

Utilization of the simulated flue gas on the cultivation of Chlorella protothecoides

Özel C. , Boğoçlu M. E. , Keçeciler C. , Kaplan E., Yücel S.

JOURNAL OF THE INDIAN CHEMICAL SOCIETY, cilt.96, ss.1137-1142, 2019

Optimum spatial variable blank holder forces determined by the sequential response surface method (SRSM) and a hybrid algorithm

Şener B. , Yurci M. E. , Bogoclu M. E.

MATERIALS TESTING, cilt.61, ss.353-361, 2019

Investigation of tensile, viscoelastic, and viscoplastic behavior of polylactic acid manufactured by fused deposition modeling

İSTİF İ. , Feratoglu K., Colak Ö. Ü. , ACAR A.

Journal of Testing and Evaluation, cilt.49, 2019

Dry sliding wear behavior of aluminum graphene nanoplatelet (GNP) composites

İstif İ. , Tuncel M. T.

MATERIALS TESTING, cilt.58, ss.640-643, 2016

Design of scaled down model of a tower crane mast by using similitude theory

KENAN H. , Azeloğlu O.

Engineering Structures, cilt.220, 2020

Natural frequency analysis of lattice boom crane theoretically and experimentally

AZELOĞLU C. O. , ÖZEN S. , Edincliler A., KENAN H.

International Journal of Steel Structures, cilt.17, ss.757-762, 2017

Vibration mitigation of nonlinear crane system against earthquake excitations with the self-tuning fuzzy logic PID controller

AZELOĞLU C. O. , SAĞIRLI A. , Edinçliler A.

NONLINEAR DYNAMICS, cilt.84, ss.1915-1928, 2016

Fuel consumption and emission evaluation of a rapid bus transport system at different operating conditions

Özener O. , Özkan M.

FUEL, cilt.265, no.117016, 2020

ASSESSMENT OF REAL DRIVING EMISSIONS OF A BUS OPERATING ON A DEDICATED ROUTE

Özener O. , Özkan M.

THERMAL SCIENCE, cilt.24, ss.63-73, 2020

A FUEL CONSUMPTION MODEL FOR PUBLIC TRANSPORTATION WITH 3D ROAD GEOMETRY APPROACH

ÖZENER O. , ÖZKAN M. , ORAK E. , ACARBULUT G.

THERMAL SCIENCE, cilt.22, ss.1505-1514,

MODELLING ANALYSIS OF MULTIPLE DIESEL INJECTION STRATEGIES WITH ONE-DIMENSIONAL SIMULATION COUPLED WITH ARTIFICIAL NEURAL NETWORKS

ÖZENER O. , ÖZKAN M. , YÜKSEK L.

THERMAL SCIENCE, cilt.21, ss.413-425, 2017

A Comparative Study on Energy and Exergy Analyses of a CI Engine Performed with Different Multiple Injection Strategies at Part Load: Effect of Injection Pressure

Ozkan M.

ENTROPY, cilt.17, ss.244-263, 2015

Modeling and theoretical analysis of a novel ratcheting-type cam-based infinitely variable transmission system

Al-Hamood A., Jamalía H., Imran A., Abdullah O., Senatore A., Kaleli H.

COMPRES RENDUS MECANIQUE, cilt.347, ss.891-902, 2019

Characterization of the friction and wear effects of graphene nanoparticles in oil on the ring/cylinder liner of internal combustion engine

DEMİRTAŞ S. , Kaleli H. , Khadem M., Kim D.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.71, ss.642-652, 2019

Review of tribological behavior of graphene coatings on piston rings in engines

Karagoz Z. B. A. , DEMİRTAŞ S. , Kaleli H. , YÜKSEK L., Citak E.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.72, no.6, ss.243-254, 2019

Tribotest of engine piston ring/cylinder liner pairs with different nanoparticles added into engine oil

DEMİRTAŞ S. , KALELİ E. H. , Khadem M., Kim D.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.72, ss.217-231, 2018

Thermal stress analysis of dry friction clutches

Abdullah O. I. , Schlattmann J., Jobair H., Beliardouh N. E. , Kaleli H.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.72, no.5, ss.189-194, 2018

Quantitative comparison of tribological performance of chromium- and zinc-phosphate-coated piston rings in tribotest rig

Ozkan D., Kaleli H. , Yuksek L.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, cilt.231, ss.75-92, 2017

HISTORY OF OIL ADDITIVES FROM MACRO TO NANO SURFACE TRIBOLOGY IN TRIBOTEST RIGS AND INTERNAL COMBUSTION ENGINES

KALELİ E. H.

Journal of the Balkan Tribological Association, cilt.21, 2015

Surface and wear mechanisms analysis of phosphorous-free and conventional engine lubricants on cylinder liner and piston rings surfaces

OZKAN D., Kaleli H. , BERTHIER Y., YÜKSEK L.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.67, ss.441-448, 2015

Effect of hythane enrichment on performance, emission and combustion characteristics of an ci engine

SANDALCI T. , İŞİN Ö. , Galata S., Karagoz Y. , GULER I.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, ss.3208-3220, 2019

Effect of the use of natural gas diesel fuel mixture on performance emissions and combustion characteristics of a compression ignition engine

KARAGÖZ Y. , SANDALCI T. , KÖYLÜ Ü., DALKILIÇ A. S. , WONGWISES S.

ADVANCES IN MECHANICAL ENGINEERING, cilt.8, ss.1-13, 2016

KISMİ YÜK ŞARTLARINDA HİDROJENCE ZENGİNLEŞTİRİLMİŞ DIESEL YANMASININ MOTOR PERFORMANSI VE EMİSYONLAR ÜZERİNDEKİ ETKİSİ

SANDALCI T. , KARAGÖZ Y.

Isi Bilimi Ve Teknigi Dergisi-Journal Of Thermal Science And Technology, cilt.35, ss.107-117, 2015

Quantitative comparison of tribological performance of chromium- and zinc-phosphate-coated piston rings in tribotest rig

Ozkan D., Kaleli H. , Yuksek L.

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, cilt.231, ss.75-92, 2017

MODELLING ANALYSIS OF MULTIPLE DIESEL INJECTION STRATEGIES WITH ONE-DIMENSIONAL SIMULATION COUPLED WITH ARTIFICIAL NEURAL NETWORKS

ÖZENER O. , ÖZKAN M. , YÜKSEK L.

THERMAL SCIENCE, cilt.21, ss.413-425, 2017

Optimization of the oil drain interval of non-phosphorus and non-ash engine oil

YÜKSEK L.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.68, ss.497-507, 2016

EFFECT OF HYDROGEN ADDITION ON EXHAUST EMISSIONS AND PERFORMANCE OF A SPARK IGNITION ENGINE

Karagoz Y. , Orak E. , YÜKSEK L. , SANDALCI T.

ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, cilt.14, ss.665-672, 2015

Surface and wear mechanisms analysis of phosphorous-free and conventional engine lubricants on cylinder liner and piston rings surfaces

OZKAN D., Kaleli H. , BERTHIER Y., YÜKSEK L.

INDUSTRIAL LUBRICATION AND TRIBOLOGY, cilt.67, ss.441-448, 2015

REAL DRIVING EMISSIONS AND FUEL CONSUMPTION CHARACTERISTICS OF ISTANBUL PUBLIC TRANSPORTATION

ÖZENER O.

THERMAL SCIENCE, cilt.21, ss.655-667, 2017

MODELLING ANALYSIS OF MULTIPLE DIESEL INJECTION STRATEGIES WITH ONE-DIMENSIONAL SIMULATION COUPLED WITH ARTIFICIAL NEURAL NETWORKS

ÖZENER O. , ÖZKAN M. , YÜKSEK L.

THERMAL SCIENCE, cilt.21, ss.413-425, 2017

Numerical Investigation on Oil Pan Design Parameters to Improve Engine Performance During Oil Cool Down and Warm Up Periods

Kartal Y., Işın Ö.

INTERNATIONAL JOURNAL OF AUTOMOTIVE TECHNOLOGY, cilt.20, ss.465-475, 2019