

archives
of thermodynamics
Vol. 40(2019), No. 2

Contents

K. KORIB, N. IHADDADÈNE, R. BOUAKKAZ AND Y. KHELILI: Numerical simulation of forced convection of nanofluid around a circular cylinder	3
R. ANDRZEJCZYK AND T. MUSZYŃSKI: Thermal and economic investigation of straight and U-bend double tube heat exchanger with coiled wire turbulator	17
R.K. RANJAN AND S.K. VERMA: Thermodynamic analysis and analytical simulation of the Rallis modified Stirling cycle	35
P. AILAWALIA, S.K. SACHDEVA AND D.S. PATHANIA: A two dimensional problem on laser pulse heating in thermoelastic microelongated solid	69
A. ALMUTAIRI, H. ALHAJERI AND A. ALENEZI: Energetic and exergetic analysis of a triple-pressure reheat combined cycle power using different primary movers	87
M.K. SAHU AND R.K. PRASAD: Second law optimization and parametric study of a solar air heater having artificially roughened absorber plate	107
S. RAY, V.V.S. HARSHA AND V. RAGHAVAN: Prediction of vapor-liquid equilibrium of ternary system at high pressures	137
M. BEZRODNY, N. PRYTULA AND M. TSVIETKOVA: Efficiency of heat pump systems of air conditioning for removing excessive moisture	151