

Contents

R. BOUAKKAZ, A. ALI OUALI, Y. KHELILI, F. SALHI AND T. TIOURI: Unconfined laminar nanofluid flow and heat transfer around a rotating circular cylinder dissipating uniform heat flux in the steady regime ...	3
S.S. PATEL AND A. LANJEWAR: Exergy based analysis of solar air heater duct with W-shaped rib roughness on the absorber plate	21
M. DUDEK, M. JASZCZUR AND Z. KOLENDA: Thermodynamic analysis of modular high-temperature nuclear reactor coupled with the steam cycle for power generation	49
Y. LIU, L. YANG AND Y. ZHANG: Thermal behavior and kinetic decomposition of sweet potato starch by non-isothermal procedures	67
F.N. OSUOLALE AND A.N. ANOZIE: Thermodynamic assessment of crude distillation units: case studies of Nigeria refineries	83
H.K. GHRITLAHRE AND R.K. PRASAD: Modelling of back propagation neural network to predict the thermal performance of porous bed solar air heater	103
AYAD KHUDHAIR AL-NADAWI: Irreversibility analysis of R407C and R407A as alternatives of R22 in window type air conditioner	129
S. PAKDEHI, F. SHIRVANI AND R. ZOLFAGHARI: A thermodynamic study on catalytic decomposition of hydrazine in a space thruster	151