

Contents

J. KLUSKA, K. RONEWICZ AND D. KARDAŚ: Characteristics of single wood particle pyrolysis using particle image velocimetry	3
M.I. OTHMAN AND S.M. SAID: Effect of diffusion and internal heat source on a two-temperature thermoelastic medium with three-phase-lag model	15
K. KOSOWSKI, M. PIWOWARSKI, R. STĘPIEŃ AND W. WŁODARSKI: Design and investigations of the ethanol microturbine	41
J. STEMPKA: Impact of subgrid modelling and numerical method on autoignition simulation of two-phase flow	55
K. MEGDOULI, Y. EZZAALOUNI, E. NAHDI, A. MHIMID AND L. KAIROUANI: Hybrid cascade refrigeration systems for refrigeration and heating	73
K. GANESH KUMAR, G.K. RAMESH AND B.J. GIREESHA: Thermal analysis of generalized Burgers nanofluid over a stretching sheet with nonlinear radiation and non uniform heat source/sink	97
M. KLUGMANN, P. DĄBROWSKI AND D. MIKIELEWICZ: Pressure drop related to flow maldistribution in a model minichannel plate heat exchanger	123