

Contents

E. SOPEL and T. CHMIELNIAK: Analysis of electricity and heat generation in a PEM fuel cell and a concept of evacuation of heat generated in a fuel cell	3
A. ZIELIŃSKI and E. TULISZKA-SZNITKO : Low Mach number model for investigation of 3D flows	25
P. MIREK and W. NOWAK: The influence of air distributor's geometry on combustion conditions in large-scale CFB boilers	37
G. WOJCIECHOWSKI, P. DOMAGAŁA and S. DROBNIAK: Experimental analysis of droplet generation	45
J. SARKAR, S. BHATTACHARYYA and M. RAMGOPAL: Thermodynamic optimization of irreversible heat pumps	59
A. BARTOSIK: Laminarisation effect in fine-dispersive slurry flow	69
R. NOWAK, E. FORNALIK, P. FAL and J. GRONIAK: Experimental analysis of velocity and temperature fields in a system similar to the Czochralski method of single crystal growth	83