

Contents

MATERIALS

- Effects of Mn and Nb on the macro- and microsegregation in high-Mn high-Al TRIP steels 5
A. Grajcar, E. Kalinowska-Ozgowicz, M. Opiela, B. Grzegorzcyk, K. Gołombek (Poland)
- Microstructure evaluation of long-term aged binary Ag-Cu alloy 15
K. Labisz, Z. Rdzawski, M. Pawlyta (Poland)
- Effects of electron radiation on properties of PLA 25
R. Malinowski, P. Rytlewski, M. Żenkiewicz (Poland)

PROPERTIES

- The effect of long-term service at elevated temperatures on structure and mechanical properties
of Cr-Mo-V steel 33
J. Ćwiek, J. Łabanowski, S. Topolska (Poland)

METHODOLOGY OF RESEARCH, ANALYSIS AND MODELLING

- Comparative analysis of wear mechanism of different types of forging dies 40
A. Mazurkiewicz, J. Smolik (Poland)
- Influence of processing conditions on strength of plastic parts produced with gas assisted
injection moulding method 46
K. Werner, T. Stachowiak (Poland)

MATERIALS MANUFACTURING AND PROCESSING

- An experimental study on the prediction of back-bead geometry in pipeline using the GMA
welding process 53
J.S. Kim, I.S. Kim, J.H Lee, S.M. Jung (South Korea)
- Author index 62
- Keywords index 62
- Publisher's notice 63
- Editor's notice 64