

CONTENTS

Investigation of Specific Wear Rate and Wear Mechanism in Stir Cast Al5052 Composites with TiB₂ and ZrO₂ Reinforcements P.K. Karsh, S. Singh, A. Gautam, D.K. Mishra, D. Bhatt, N. Kumar	58
Relationship between electrical, mechanical and microstructural properties of CFRPs based on thermoplastic acrylic resin S. Demski, K. Dydek, Z. Krawczyk, K. Sobolewski, P. Mądry, P. Kozera, A. Boczkowska, J. Sroka, H. Ehrlich.....	67
High-entropy AlCoCuFeNi Matrix Composites Reinforced with Tungsten Carbide M. Źakowski, G. Cieślak, D. Oleszak.....	75
The influence of areal density of prepreg on crashworthiness of CFRP composite in quasi-static conditions G. Ryzińska.....	82
Effect of Major Alloying Elements Zn and Mg on Microstructure and Microhardness of AA7075 Alloys and their Composites P. Mittal, I. Verma, A. Tomar, J.K. Mahato	90
Microstructure and Selected Mechanical Properties of Hot-Rolled AA2024/SiC Composite Manufactured by Powder Metallurgy P. Nikiel, P. Kutyła	102
Al₂O₃-Ni composites: impact of cooling on composites in centrifugal gel casting J. Zygmuntowicz, J. Tańska, P. Wiecińska, P. Piotrkiewicz, K. Konopka, M. Szafran, M. Wachowski, I. Szachogłuchowicz, W. Kaszuwara	113
Microstructure and features of thermal behavior of polymer composites based on polylactic acid and carbon nanotubes E.A. Lysenkov, I.P. Lysenkova.....	123
Possibility of using polyurethane materials to reduce vibrations and noise in the working environment K. Łakomy, T. Małysa, K. Nowacki.....	132
Gradient Al₂O₃-Ni composites for aggressive substance transport: a novel approach using centrifugal gel casting J. Zygmuntowicz, J. Tańska, P. Wiecińska, P. Piotrkiewicz, K. Konopka, M. Szafran, M. Wachowski, B. Michalski, W. Kaszuwara	144