

1.

W. Głuchowski, Z. Rdzawski, J. Domagała-Dubiel, J. Sobota, Microstructure and Properties of Multifibre Composites [Full Text PDF](#)

2.

M. Kujawa, L.A. Dobrzański, G. Matula, M. Kremzer, B. Tomiczek, Manufacturing of Porous Ceramic Preforms Based on Halloysite Nanotubes (HNTS) [Full Text PDF](#)

3.

D. Klimecka-Tatar, Electrochemical Characteristics of Titanium for Dental Implants in Case of the Electroless Surface Modification [Full Text PDF](#)

4.

P. Sygut, Theoretical Analysis of Unit Friction Force Working on the Metal Contact Surface with the Roll Change During Feedstock with Non-Uniform Temperature Distribution Rolling Process [Full Text PDF](#)

5.

D. Jakubowska, J. Zdunek, M. Kulczyk, J. Mizera, K.J. Kurzydłowski, Microstructure Evolution and Texture Development in a Cu-8.5%at. Al Material Subjected to Hydrostatic Extrusion [Full Text PDF](#)

6.

A. Roguska, A. Belcarz, P. Suchecki, M. Andrzejczuk, M. Lewandowska, Antibacterial Composite Layers on Ti: Role of ZnO Nanoparticles [Full Text PDF](#)

7.

A. Urzędowski, D. Wójcicka-Migasiuk, Shaping of Panel Materials in Light Direction Design [Full Text PDF](#)

8.

S. Korga, A. Duda, Z. Ciekanowski, Capabilities of Using Fem in Sheet-Metal Forming [Full Text PDF](#)

9.

J. Zygmuntowicz, A. Miazga, K. Konopka, Quantitative Description of the Spinel Phase (NiAl<sub>2</sub>O<sub>4</sub>) Located Into Al<sub>2</sub>O<sub>3</sub> Matrix [Full Text PDF](#)

10.

A. Zieliński, J. Dobrzański, H. Purzyńska, G. Golański, Changes in Properties and Microstructure of High-Chromium 9-12%Cr Steels Due to Long-Term Exposure at Elevated Temperature [Full Text PDF](#)

11.

M. Mikuśkiewicz, M. Stopyra, G. Moskal, Synthesis and Thermal Properties of Cerium-Dysprosium Oxide [Full Text PDF](#)

12.

D. Grygier, M. Rutkowska-Gorczyca, R. Jasiński, W. Dudziński, The Structural and Strength Changes Resulting from Modification of Heat Treatment of High Carbon Steel [Full Text PDF](#)

13.

M. Suśniak, P. Pałka, J. Karwan-Baczewska, Influence of Milling Time on the Crystallite Size of AlSi<sub>5</sub>Cu<sub>2</sub>/SiC Composite Powder [Full Text PDF](#)

14.

J. Trzaska, Calculation of Critical Temperatures by Empirical Formulae [Full Text PDF](#)

15.

M. Gwoździk, The Defects of Oxide Layers Formed on 10CrMo9-10 Steel Operated for 200,000 Hours at an Elevated Temperature [Full Text PDF](#)

16.

P. Zygoń, Z. Nitkiewicz, Specific Bending and Compressive Strength of Poly(Vinyl Alcohol)-CNT Composites [Full Text PDF](#)

17.

B. Szwed, M. Konieczny, Microstructure and Mechanical Properties of Joints of Titanium with Stainless Steel Performed Using Nickel Filler [Full Text PDF](#)

18.

A. Dziubińska, A. Gontarz, K. Dziedzic, Qualitative Research of AZ31 Magnesium Alloy Aircraft Brackets Produced by a New Forging Method [Full Text PDF](#)

19.

M. Korzeniowski, B. Białobrzaska, Analysis of Using Acoustic Microscopy to Evaluate Defects in Spot Welding Joints [Full Text PDF](#)

20.

A. Zieliński, H. Paszkowska, P. Skupień, G. Golański, Assessment of Service Life of HCM12 Steel After 100 000 Hrs of Service [Full Text PDF](#)

21.

G. Szwachta, M. Gajewska, S. Kąc, Growth and Characterisation of Pulsed-Laser Deposited TiN thin Films on Cube-Textured Copper at Different Temperatures [Full Text PDF](#)

22.

A. Posmyk, J. Myalski, B. Hekner, Composite Coatings with Ceramic Matrix Including Nanomaterials as Solid Lubricants for Oil-Less Automotive Applications [Full Text PDF](#)

23.

A. Posmyk, J. Myalski, B. Hekner, Glassy Carbon Coating Deposited on Hybrid Structure of Composite Materials [Full Text PDF](#)

24.

Z. Zawieja, J. Sawicki, Gas Evolution Quantitative Analysis at a Temperature of 900°C of a Cellulose Mixture Modified by Mineral Additives [Full Text PDF](#)

25.

K. Dybowski, J. Sawicki, P. Kula, B. Januszewicz, R. Atraszkiewicz, S. Lipa, The Effect of the Quenching Method on the Deformations Size of Gear Wheels After Vacuum Carburizing [Full Text PDF](#)

26.

A. Cyza, Ł. Cieniek, A. Kopia, Perovskite  $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$  Thin Films Deposited by Laser Ablation Process [Full Text PDF](#)

27.

M. Cecotka, K. Dybowski, L. Klimek, S. Lipa, A. Rylski, D. Sankowski, R. Wojciechowski, M. Bąkała, Examination of Wetting by Liquid Zinc of Steel Sheets Following Various Kinds of Abrasive Blasting [Full Text PDF](#)

28.

A. Gryc, T. Rzychoń, Characterisation of Microstructures of WE43 Magnesium Matrix Composites Reinforced with Carbon Fibres [Full Text PDF](#)

29.

M. Pastuszak, G. Cieślak, A. Dobkowska, J. Mizera, K.J. Kurzydłowski, The Development of Rapidly Solidified Magnesium -Copper Ribbons [Full Text PDF](#)

30.

A. Turowska, J. Adamiec, Evaluation of High Temperature Corrosion Resistance of Finned Tubes Made of Austenitic Steel and Nickel Alloys [Full Text PDF](#)

31.

P. Łada, P. Falkowski, A. Miazga, K. Konopka, M. Szafran, Fabrication of ZrO<sub>2</sub>-Ti Composites by Slip Casting Method [Full Text PDF](#)

32.

A. Mamala, W. Ścieżor, P. Kwaśniewski, J. Grzebinoga, R. Kowal, Study of the Mechanical Properties of Strips Obtained in TRC Line [Full Text PDF](#)

33.

A. Ziewiec, Study of the Weldability of Austenitic PH Steel for Power Plants [Full Text PDF](#)

34.

M. Wojtaszek, T. Śleboda, G. Korpała, Hot Processing of Cast and PM Ti-6Al-4V Alloy [Full Text PDF](#)

35.

S. Jucha, G. Moskal, M. Mikuśkiewicz, Synthesis and Characterization of Thermal Properties of Type Eu<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> Sinters [Full Text PDF](#)

36.

J. Krawczyk, Dendritic Structure Analysis of CMSX-4 Cored Turbine Blades Roots [Full Text PDF](#)

37.

M. Stegliński, P. Byczkowska, J. Sawicki, Ł. Kaczmarek, B. Januszewicz, M. Klich, Synergy of the Plastic Treatment HPT and Shot Peening in Aluminium Alloy Al-Mg-Mn-Sc-Zr [Full Text PDF](#)

38.

A. Skrzypczyk, H. Danielewski, Properties and Microstructure of Laser Welded VM12-SHC Steel Pipes Joints [Full Text PDF](#)

39.

P. Kurp, Z. Mucha, S. Tofil, K. Mulczyk, The Influence of Treatment Parameters on the Microstructure, Properties and Bend Angle of Laser Formed Construction Bars [Full Text PDF](#)

40.

S. Różowicz, Sz. Tofil, A. Zrak, An Analysis of the Microstructure, Macrostructure and Microhardness of NiCr-Ir Joints Produced by Laser Welding with and Without Preheat [Full Text PDF](#)

41.

B. Grabas, Sz. Tofil, W. Napadłek, An Analysis of Laser-Welded NiCr-Ir and NiCr-Pt Micro Joints on Spark Plug Electrodes in Biogas-Fuelled Engines [Full Text PDF](#)

42.

M. Madej, D. Ozimina, J. Kasińska, J. Hawlena, The Structure and Characteristics of Tribological Systems with Diamond Like Carbon Coatings Under Ionic Liquid Lubrication Conditions [Full Text PDF](#)

43.

I. Dzioba, R. Pala, J. Kasińska, Experimental - Numerical Analysis of Stress State in Front of the Crack Tip of Modified and Unmodified G17crMo5-5 Cast Steel by Rare Earth Metals in A Brittle-Ductile Transition Region [Full Text PDF](#)

44.

D. Niemiec, G. Moskal, Ł. Carski, Microstructure and Oxidation Resistance of Laser Remelted Plasma Sprayed Nicrally Coating [Full Text PDF](#)

45.

S. Błacha, M.St. Węglowski, S. Dymek, M. Kopusciański, Microstructural Characterization and Mechanical Properties of Electron Beam Welded Joint of High Strength Steel Grade S690QL [Full Text PDF](#)

46.

M. Solecka, M. Kopyściański, J. Kusiński, A. Kopia, A. Radziszewska, Erosive Wear of Inconel 625 Alloy Coatings Deposited by CMT Method [Full Text PDF](#)

47.

W. Głuchowski, Z. Rdzawski, J. Sobota, J. Domagała-Dubiel, Effect of the Combined Heat Treatment and Severe Plastic Deformation on the Microstructure of CuNiSi Alloy [Full Text PDF](#)

48.

T. Koziół, J. Latuch, G. Cios, P. Bała, Effect of Zr Purity and Oxygen Content on the Structure and Mechanical Properties of Melt-Spun and Suction-Cast Cu<sub>46</sub>Zr<sub>42</sub>Al<sub>7</sub>Y<sub>5</sub> Alloy [Full Text PDF](#)

49.

T. Ratajski, I. Kalemba-Rec, B. Dubiel, Manufacturing, Microstructure and Corrosion Resistance of Electrophoretically Deposited SiO<sub>2</sub> and Ni/SiO<sub>2</sub> Coatings on X2CrNiMo17-12-2 Steel [Full Text PDF](#)

50.

L.A. Dobrzański, M. Macek, B. Tomiczek, P.M. Nuckowski, A.J. Nowak, The Influence of the Dispersion Method on the Microstructure and Properties of MWCNTs/AA6061 Composites [Full Text PDF](#)

51.

A. Urbańczyk-Gucwa, K. Radwański, K. Rodak, Influence of Solution and Aging Treatment Conditions on the Formation of Ultrafine-Grained Structure of CuFe<sub>2</sub> Alloy Processed by Rolling with Cyclic Movement of Rolls [Full Text PDF](#)

52.

K. Wiczerzak, P. Bala, R. Dziurka, M. Stepień, T. Tokarski, G. Cios, K. Gorecki, Experimental and Thermodynamic Study of Selected In-Situ Composites from the Fe-Cr-Ni-Mo-C System [Full Text PDF](#)

53.

M. Stopyra, D. Niemiec, G. Moskal, Synthesis, Characterization and Thermal Diffusivity of Holmium and Praseodymium Zirconates [Full Text PDF](#)