

M. Adamczyk, L. Kozielski, R. Zachariasz, M. Pawełczyk, L. Szymczak, Structural, Dielectric Spectroscopy and Internal Friction Correlation in BaBi₂Nb₂O₉ Ceramics [Full Text PDF](#)

J. Arbaoui, Y. Schmitt, J.-L. Pierrot, F.-X. Royer, Effect of Core Thickness and Intermediate Layers on Mechanical Properties of Polypropylene Honeycomb Multi-Layer Sandwich Structures [Full Text PDF](#)

R. Bidulsky, J. Bidulska, M. Actis Grande, Analysis of Densification Process and Structure of PM Al-Mg-Si-Cu-Fe and Al-Zn-Mg-Cu-Sn Alloys [Full Text PDF](#)

Z. Ahmadian, I. Danaee, M.A. Golozar, Effect of Surface Treatment on Corrosion Resistance of 304 Stainless Steel Implants in Tyrode Solution [Full Text PDF](#)

A. Glowacz, A. Glowacz, P. Korohoda, Recognition of Monochrome Thermal Images of Synchronous Motor with the Application of Binarization and Nearest Mean Classifier [Full Text PDF](#)

W.J. Głuchowski, Z.M. Rdzawski, J.P. Stobrawa, K.J. Marszowski, Microstructure and Properties of Cu-Nb Wire Composites [Full Text PDF](#)

M.H. Golabgir, R. Ebrahimi-Kahrizsangi, O. Torabi, A. Saatchi, Fabrication of Open Cell Fe-10%Al Foam by Space-Holder Technique [Full Text PDF](#)

W. Kaszuwara, B. Michalski, P. Orłowski, High-Coercivity Nd-Fe-B Powders Obtained by High-Temperature Milling [Full Text PDF](#)

M. Kucharski, P. Madej, M. Wedrychowicz, T. Sak, W. Mróz, Recovery of

Tellurium from Sodium Carbonate Slag [Full Text PDF](#)

M. Kulczyk, S. Przybysz, J. Skiba, W. Pachla, Severe Plastic Deformation Induced in Al, Al-Si, Ag and Cu by Hydrostatic Extrusion [Full Text PDF](#)

W. Mocko, Comparison of Energy Absorption Properties of High Nitrogen Austenitic Steel and Cast Alloy Determined Using Low Velocity Perforation Test [Full Text PDF](#)

P. Palimaka, S. Pietrzyk, Research on the Electrical Conductivity of Fluoride Electrolytes NaF-AlF₃-CaF₂ in Liquid and Solid State [Full Text PDF](#)

K. Reszka, J. Morgiel, Z. Zurek, A. Jaron, Characterization of Alumina Scale Formed on FeCrAl Steel [Full Text PDF](#)

R. Sathiskumar, N. Murugan, I. Dinaharan, S.J. Vijay, Fabrication and Characterization of Cu/B4C Surface Dispersion Strengthened Composite using Friction Stir Processing [Full Text PDF](#)

A. Prstic, Z. Acimovic-Pavlovic, A. Terzic, L. Pavlovic, Synthesis and Characterization of New Refractory Coatings Based on Talc, Cordierite, Zircon and Mullite Fillers for Lost Foam Casting Process [Full Text PDF](#)

I. Uygur, A. Cicek, E. Toklu, R. Kara, S. Saridemir, Fatigue Life Predictions of Metal Matrix Composites Using Artificial Neural Networks [Full Text PDF](#)

A. Ziebig, M. Warzyc, P. Gladysz, Determination of the Optimal Structure of Repowering a Metallurgical CHP Plant Fired with Technological Fuel Gases [Full Text PDF](#)

B. Markovic, D. Živkovic, D. Manasijevic, M. Sokic, D. Minic, N. Talijan, J. Stajic-Trošic, Thermal, Structural and Electrical Properties of Some Bi-Cu-Ni Alloys [Full Text PDF](#)

M. Zygmunt-Kiper, L. Blaz, M. Sugamata, Effect of Temperature on the Structure and Mechanical Properties of Mechanically Alloyed Al-NiO Composite [Full Text PDF](#)

J. Bogucka, Influence of Temperature of Accumulative Roll Bonding on the Microstructure and Mechanical Properties of AA5251 Aluminum Alloy [Full Text PDF](#)

M. Knap, J. Falkus, A. Rozman, K. Konopka, J. Lamut, The Prediction of Hardenability using Neural Networks [Full Text PDF](#)

W. Gumowska, I. Dobosz, B. Wrzoseczky, The Morphology of the Alumina Films Formed in The Anodization Process of Aluminium in the Orthophosphoric Acid Solution. The Co-Fe Alloys Electrodeposition Into Obtained Alumina Pores [Full Text PDF](#)

R. Kaczmarczyk, S. Gurgul, Model Approach of Carbon Deposition Phenomenon in Steam and Dry Methane Reforming Process [Full Text PDF](#)

D. Kalisz, Modeling Physicochemical Properties of Mold Slag [Full Text PDF](#)

K. Krasnowski, Fatigue and Static Properties of Friction Stir Welded Aluminium Alloy 6082 Lap Joints Using Triflute-Type and Smooth Tool [Full Text PDF](#)

M. Kulczyk, J. Skiba, W. Pachla, Microstructure and Mechanical Properties of AA5483 after Combination of ECAP and Hydrostatic Extrusion SPD Processes [Full Text PDF](#)

Z. Lipnicki, K. Pantoł, B. Weigand, Role of the Contact Layer in Continuous Casting of thin Metal Rods [Full Text PDF](#)

P. Migas, M. Korolczuk-Hejnak, Semi-Solid State of Blast Furnace Slag Admixtures of Al₂O₃ [Full Text PDF](#)

W. Ozgowicz, B. Grzegorzczak, A. Pawełek, A. Piatkowski, Z. Ranachowski, The Portevin - Le Chatelier Effect and Acoustic Emission of Plastic Deformation CuZn30 Monocrystals [Full Text PDF](#)

A. Romanski, J. Konstanty, Ball-milled Fe-Ni and Fe-Mn Matrix Powders for Sintered Diamond Tools [Full Text PDF](#)

E. Rudnik, G. Włoch, A. Czernicka, The Influence of Potential-Current Conditions on the Electrodeposition of Ni-Sn Alloys from Acidic Chloride-Sulphate Solution [Full Text PDF](#)

A. Krzakała, J. Młynski, G. Dercz, J. Michalska, A. Maciej, Ł. Nieużyła, W. Simka, Modification of Ti-6Al-4V Alloy Surface by EPD-PEO Process in ZrSiO₄ Suspension [Full Text PDF](#)

I. Sulima, L. Jaworska, P. Figiel, Influence of Processing Parameters and Different Content of TiB₂ Ceramics on the Properties of Composites Sintered by High Pressure -High Temperature (HP-HT) Method [Full Text PDF](#)

W. Wołczyński, C. Senderowski, J. Morgiel, G. Garzeł, D-gun Sprayed Fe-Al Single Particle Solidification [Full Text PDF](#)

M. K. Kulekci, Effects of Process Parameters on Tensile Shear Strength of Friction Stir Spot Welded Aluminium Alloy (EN AW 5005) [Full Text PDF](#)

D. C z e k a j, A. L i s i n s k a - C z e k a j, M. A d a m c z y k, Influence of Bismuth Content on Complex Immittance Characteristics of Pressureless Sintered BiNbO₄ Ceramics [Full Text PDF](#)

D. C z e k a j, J. M i c i o r, A. L i s i n s k a - C z e k a j, A New Microwave Ceramic - Polymer Composite with 0-3 Connectivity [Full Text PDF](#)

A. K o z ł o w s k a, M. P i a t e k - H n a t, Evaluation of Influence of the Addition Nanofillers on the Mechanical and Thermal Properties Terpolymers Ester-Ether-Amide [Full Text PDF](#)

R. J a s i o n o w s k i, D. Z a s a d a, W. P r z e t a k i e w i c z, Cavitation Erosion Resistance of Alloys Used in Cathodic Protection of Hulls of Ships [Full Text PDF](#)

M. M u s z t y f a g a - S t a s z u k, L. A. D o b r z a n s k i, S. R u s z, M. S t a s z u k, Application Examples for the Different Measurement Modes of Electrical Properties of the Solar Cells [Full Text PDF](#)

M. L i j e w s k i, V. L e s h y n s k y, H. W i s n i e w s k a - W e i n e r t, J. S u l e j - C h o j n a c k a, T. R y b a k, Iron and Bronze Powdered Based Materials for Bearings with Surface Modified with Solid Lubricant Nanoparticles [Full Text PDF](#)

M. N a b i a ł e k, P. P i e t r u s i e w i c z, M. S z o t a, A. D o b r z a n s k a - D a n i k i e w i c z, S. L e s z, M. D o s p i a ł, K. B ł o c h, K. O z g a, The Structural Stability of the Fe₃₆Co₃₆Si₁₉B₅Nb₄ Bulk Amorphous Alloy [Full Text PDF](#)

M. N a b i a ł e k, A. D o b r z a n s k a - D a n i k i e w i c z, S. L e s z, P. P i e t r u s i e w i c z, M. S z o t a, M. D o s p i a ł, Effect of Cooling Rate on Magnetic Properties, Size and Type of Structural Defects in the Volume of Bulk Amorphous Fe₃₆Co₃₆B₁₉Si₅Nb₄ Alloy in the Form of Rods of Various Diameters [Full Text PDF](#)

M. S t a s z u k, L. A. D o b r z a n s k i, T. T a n s k i, W. K w a s n y, M. M u s z t y f a g a - S t a

s z u k, The Effect of PVD and CVD Coating Structures on the Durability of Sintered Cutting Edges [Full Text PDF](#)

L. B l a c h a, S. G o l a k, A. J a k o v i c s, A. T u c s, Kinetic Analysis of Aluminium Evaporation from the Ti-6Al-7Nb Alloy [Full Text PDF](#)

B. O l e k s i a k, J. Ł a b a j, J. W i e c z o r e k, A. B l a c h a - G r z e c h n i k, R. B u r d z i k, Surface Tension of Cu-Bi Alloys and Wettability in a Liquid Alloy - Refractory Material - Gaseous Phase System [Full Text PDF](#)

S. G o l a k, R. P r z y l u c k i, J. B a r g l i k, Determination of a Mass Transfer Area during Metal Melting in a Vacuum Induction Furnace [Full Text PDF](#)

T. S o f i l i c, J. J e n d r i ċ k o, PCDDs/Fs Pollution from Metallurgical Processes in the Town of Sisak, Croatia [Full Text PDF](#)

W. G a s i o r, A. D e b s k i, R. M a j o r, Formation Enthalpy of BLi Intermediate Phase [Full Text PDF](#)

S. B o c z k a l, M. L e c h - G r e g a, B. P ł o n k a, Influence of Deformation Process by ECAE on Structure and Properties of AZ61 Alloy [Full Text PDF](#)

W. S z y m a n s k i, M. B i g a j, M. G a w l i k, M. M i t k a, M. S z y m a n e k, Consolidation by Continuous Rotary Extrusion of Aluminium Alloys Cast by the Melt Spinning Process [Full Text PDF](#)

B. L e s z c z y n s k a - M a d e j, P. P a ł k a, M. R i c h e r t, Effect of Severe Plastic Deformation on Microstructure and Properties of Polycrystalline Aluminium Al99.5 [Full Text PDF](#)

M. Szymane k, B. Augustyn, D. Kapinos, S. Boczkal, J. Nowak, Producing Ultrafine Grain Structure in AZ91 Magnesium Alloy Cast by Rapid Solidification [Full Text PDF](#)

M. Nowak, M. Opyrchal, S. Boczkal, J. Zelechowski, A. Najder, M. Karas, Effect of Cathodic Current Density on Microstructure and Properties of Nickel Composite Coatings [Full Text PDF](#)

T. Rzychon, B. Adamczyk - Cieslak, Microstructure and Creep Resistance of Mg-Al-Ca-Sr Alloys [Full Text PDF](#)

L.A. Dobrzanski, B. Tomiczek, M. Pawlyta, M. Król, Aluminium AlMg1SiCu Matrix Composite Materials Reinforced with Halloysite Particles [Full Text PDF](#)

T. Knych, M. Piwowarska - Uliasz, P. Uliasz, Aluminium Alloys with Zirconium Additions, in the Range from 0.05 to 0.32%, Intended for Applications in the Overhead Electrical Power Engineering [Full Text PDF](#)

A.J. Dolata, Centrifugal Castings Locally Reinforced with Porous Al₂O₃ Preform [Full Text PDF](#)

A. Najder, M. Nowak, M. Bigaj, J. Zelechowski, M. Opyrchal, M. Karas Comparison of the Properties of Nickel Coatings Reinforced with Dispersion SiC Particles of Micrometric, Submicrometric and Nanometric Size Deposited on the 5xxx Series Aluminium Alloy [Full Text PDF](#)

M. Karas, M. Nowak, M. Opyrchal, M. Bigaj, A. Najder, Influence of the Zinc Sublayer Method Production and Heat Treatment on the Microhardness of the Composite Ni-Al₂O₃ Coating Deposited on the 5754 Aluminium Alloy [Full Text PDF](#)

S. Rusz, L. Cizek, M. Salajka, S. Tylsar, J. Kedron, V. Michenka, T. Donic,

E. H a d a s i k, M. K l o s, Ultrafine Grain Refinement of AlMn1Cu and AZ 31 Alloys by SPD Process [Full Text PDF](#)

B. J u s z c z y k, J. K u l a s a, W. M a l e c, Sz. M a l a r a, M. C z e p e l a k, L. C i u r a, Microstructure and Tribological Properties of the Copper Matrix Composite Materials Containing Lubricating Phase Particles [Full Text PDF](#)

B. P ł o n k a, P. K o r c z a k, K. R e m s a k, M. L e c h - G r e g a, Comparison of Structure, Mechanical and Electrical Properties of Al Alloy Die Forged Parts Made With Use of Different Stock Material [Full Text PDF](#)

B. P ł o n k a, K. R e m s a k, M. N o w a k, M. L e c h - G r e g a, P. K o r c z a k, A. N a j d e r, Usable Properties of Magnesium Alloy ZK60A by Plastic Deformation [Full Text PDF](#)

B. R a m s, A. P i e t r a s, K. M r o c z k a, Friction Stir Welding of Elements Made of Cast Aluminium Alloys [Full Text PDF](#)

A. K ł y s z e w s k i, J. Z e l e c h o w s k i, A. F r o n t c z a k, P. R u t e c k i, W. S z y m a n s k i, Z. Z a m k o t o w i c z, M. N o w a k, New Rolled Aluminium Alloy Products for the Automotive Industry [Full Text PDF](#)

S. D z i k, W. T a r g o w s k i, Research of Liquid Aluminium Alloys at Particular Stages of Manufacturing Process [Full Text PDF](#)

A. K a r w i n s k i, W. L e s n i e w s k i, P. W i e l i c z k o, M. M a ł y s z a, Casting of Titanium Alloys in Centrifugal Induction Furnaces [Full Text PDF](#)

W. G e b a r o w s k i, S. P i e t r z y k, Growth Characteristics of the Oxide Layer on Aluminium in the Process of Plasma Electrolytic Oxidation [Full Text PDF](#)

A. M a m a l a, W. S c i e z o r, Evaluation of the Effect of Selected Alloying Elements on the Mechanical and Electrical Aluminium Properties [Full Text PDF](#)