

1. D. Migas, M. Kierat, G. Moskal, The Oxide Scales Formed on Different Co-Ni Based Superalloys During Isothermal Oxidation at 800 and 900 °C [full text PDF](#)
2. M. Matejka, D. Bolibruchová, M. Chalupová, Study of the Properties of the AlSi9Cu3 Alloy Depending on the Ratio of Returnable Material in the Batch [full text PDF](#)
3. J. Beňo, M. Poręba, T. Bajer, Application of Non-Silica Sands for High Quality Castings [full text PDF](#)
4. M. Gucwa, J. Winczek, P. Wieczorek, M. Mičian, R. Koňár, The Analysis of Filler Material Effect on Properties of Excavator Crawler Track Shoe after Welding Regeneration [full text PDF](#)
5. V. Kaňa, V. Krutiš, P. Bořil, A. Záděra, M. Rimko, Influence of Heat Treatment and Nickel Content on the Properties of the GX4CrNi13-4 Steel [full text PDF](#)
6. N. Przyszlak, T. Wróbel, A. Dulaska, Influence of Molding Materials on the Self-Hardening of X46Cr13 Steel / Grey Cast Iron Bimetallic Castings [full text PDF](#)
7. A. Dulaska, J. Szajnar, M. Król, Analysis of the Mechanical Properties of the Titanium Layer Obtained by the Mold Cavity Preparation Method [full text PDF](#)
8. D. Mikusek, C. Rapiejko, A. Andrzejczak, T. Pacyniak, Benefit Effect of Low Addition Yttrium on the Phase α Mg and Eutectic α Mg + γ (Mg₁₇Al₁₂) in AZ91 Alloy [full text PDF](#)
9. D. Bolibruchová, M. Kuriš, M. Matejka, K. Major Gabryś, M. Vicen, Effect of Ti on Selected Properties of AlSi7Mg0.3Cu0.5 Alloy with Constant Addition of Zr [full text PDF](#)
10. P. Jurczyk, T. Wróbel, Cz. Baron, The Influence of Hyperquenching Temperature on Microstructure and Mechanical Properties of Alloy Cast Steel GX2CrNiMoCuN 25-6-3-3 [full text PDF](#)
11. M. Mičian, J. Winczek, D. Harmaniak, R. Koňár, M. Gucwa, J. Moravec, Physical Simulation of Individual Heat-Affected Zones in S960MC Steel [full text PDF](#)
12. M. Tomaszewska, J. Dzik, B. Wodecka-Duś, T. Pikula, M. Adamczyk-Habrajska, D. Szalbot, D. Chocyk, The Effect of Ho Doping Contents on the Structural, Microstructure and Dielectric Properties of Bi₅Ti₃FeO₁₅ Aurivillius Ceramics [full text PDF](#)
13. M. Can Şenel, M. Gürbüz, Investigation on Mechanical Properties and Microstructures of Aluminum Hybrid Composites Reinforced with Al₂O₃/GNPs Binary Particles [full text PDF](#)
14. Seok-Jae Lee, Minsu Jung, Prediction of Martensite Start Temperatures of Highly Alloyed Steels [full text PDF](#)
15. Jihui Luo, Yangyang Li, Yanke Huang, Yuehao Huang, Yuling Zheng, Microstructure Evolution and Formation Mechanism of Copper-Silver Alloy Fabricated by Induction Heating Directional Solidification at Different Mold Temperatures [full text PDF](#)
16. Yong-Ji Zhang, Guang-Liang Wu, Shang-Wen Wu, The Critical Conditions and Kinetics Required for Dynamic Recrystallization in a High-Carbon Tool Steel [full text PDF](#)
17. Xiaoming Li, Yi Li, Xiangdong Xing, Yanjun Wang, Zhenyu Wen, Haibo Yang, Effect of Particle Sizes of Slag on Reduction Characteristics of Nickel Slag-Coal Composite Briquette [full text PDF](#)
18. M. Słowik, P. Cępa, K. Czapla, P. Żabiński, Steel Packaging Production Process and a Review of New Trends [full text PDF](#)
19. Yiming Li, Xiaomin Huang, Hongchao Ji, Yaogang Li, Baoyu Wang, Xuefeng Tang,

- Study on Dynamic Recrystallization Models of 21-4N Heat Resistant Steel [full text PDF](#)
20. Zhen Shang, Yingying Zuo, Shude Ji, Yue Wang, Peng Chai, Joint Formation and Mechanical Properties of 2060 Aluminum Alloy Refill Friction Stir Spot Welding Joint [full text PDF](#)
21. Jituo Liu, Xianhui Wang, Jia Liu, Qianni Ran, The Effect of Heat Treatment on the Microstructure Evolution and Properties of an Age-Hardened Cu-3Ti-2Mg Alloy [full text PDF](#)
22. Bingxin Wang, Yingtian Jiang, Formation and Thermodynamic Analyses of Inclusions in Ti-Containing Steel Weld Metals with Different Al Contents [full text PDF](#)
23. B. Pyszczółkowski, M. Bramowicz, W. Rejmer, T. Chrostek, C. Senderowski, The Influence of the Processing Temperature of Polylactide on Geometric Structure of the Surface Using FDM Technique [full text PDF](#)
24. E. Hajibaba Gozarganji, A. Farnia, M. Ebrahimnia, Effect of Shielding Gas Composition on Geometry and Austenite Formation in Low Power Pulsed Nd:YAG Laser Welded 2205 Duplex Stainless Steel [full text PDF](#)
25. Chunzhi Xia, Linling Fu, Wenchao Du, Xiangping Xu, Xiling Wang, Jiasheng Zou, Thermal Fatigue Damage and Residual Mechanical Properties of WCu45/FeCr18Ni9 Steel Brazed Joint with NiCrSiBFe Filler Metal [full text PDF](#)
26. Levent Urtekin, Recep Arslan, Fatih Bozkurt, Ümit Er, Investigation of Tribological and Mechanical Properties of Biodegradable AZ91 Alloy Produced by Cold Chamber High Pressure Casting Method [full text PDF](#)
27. Tao Wang, Xue Gong, Shude Ji, Gang Xue, Zan Lv, Ultrasonic Assisted Active-Passive Filling Friction Stir Repairing to Eliminate Volume Defects [full text PDF](#)
28. I. Schindler, P. Opěla, P. Kawulok, M. Sauer, S. Rusz, D. Kuc, K. Rodak, Hot Deformation Activation Energy of Metallic Materials Influenced by Strain Value [full text PDF](#)
29. Q. An, K.Y. Fan, Y.F. Ge, B.X. Liu, J. He, S. Wang, C.X. Chen, P.G. Ji, O. Tolochko, The Bending, Impact Fracture Behavior and Characteristics of Stainless Steel Clad Plates with Different Rolling Temperature [full text PDF](#)
30. J. Adamiec, N. Konieczna, Assessment of the Hot Cracking Susceptibility of the Inconel 617 Nickel-Based Alloy [full text PDF](#)
31. G. Reyes-Castellanos, A. Cruz-Ramírez, E. Colin-García, V.H. Gutiérrez-Pérez, Thermodynamic Analysis of the Graphite Flake Formation of Low Manganese And Sulfur Gray Cast Iron [full text PDF](#)
32. Osman Armağan, Talip Kirindi, Effect of Mn Amount on Phase Transformations and Magnetic Properties in Fe-Mn-Mo-Si Alloys [full text PDF](#)
33. H. Aghabeygzadeh, E. Mohammad Sharifi, M. Tavoosi, Corrosion Behavior of Amorphous-Nanocrystalline Ni₅₀Ti₅₀ Shape Memory Alloy [full text PDF](#)
34. M. Wędrychowicz, A.W. Bydałek, P. Migas, T. Skrzekut, P. Noga, P. Madej, A. Kałasznikow, The Effect of Adding Iron Powder From Plasma Cutting on the Microstructure, Mechanical Properties of the Composite Based on Aluminum Powder Matrix Made Using Powder Metallurgy [full text PDF](#)
35. Jyrki Miettinen, Ville-Valtteri Visuri, Timo Fabritius, Thermodynamic Description of Ternary Fe-B-X Systems. Part 8: Fe-B-Mo, with Extension to Quaternary Fe-B-Cr-Mo System [full text PDF](#)
36. Jyrki Miettinen, Ville-Valtteri Visuri, Timo Fabritius, Thermodynamic Description of

Ternary Fe-B-X Systems. Part 9: Fe-B-Cu

[full text PDF](#)

37. M. Polok-Rubinić, A. Włodarczyk-Fligier, B. Chmielnicki, The Properties of a Polypropylene Matrix Composite with Anthracite Filler

[full text PDF](#)

38. A. Włodarczyk-Fligier, M. Polok-Rubinić, B. Chmielnicki, Polypropylene-Matrix Polymer Composites with Natural Filler

[full text PDF](#)

39. Zhu Yongmei, Chen Junjie, Tang Wenxian, Cui Weicheng, Wang Xiaorong, Wang Fang, Yin Baoji, Fatigue and Corrosion Fatigue of 18Ni Maraging Steel

[full text PDF](#)

40. J. Trzaska, Examples of Simulation of the Alloying Elements Effect on Austenite Transformations During Continuous Cooling

[full text PDF](#)

41. M. Trzaskalska, R. Chwastek, Damping Properties and Density of Helmet Liners Made of Expanded Polystyrene (EPS)

[full text PDF](#)