

| Por. Č. | Typ článku | Autor             | Názov článku                                                                                                      | Rok vydania |
|---------|------------|-------------------|-------------------------------------------------------------------------------------------------------------------|-------------|
| 1       | AFH        | Omasta Miroslav   | Vplyv úpravy povrchu na koróznú odolnosť zliatin Mg-2RE-1Zr                                                       | 2014        |
| 2       | AFC        | Kuchariková Lenka | Optimization of eutectic si particles morphology in secondary Al-Si cast alloys after different heat treatment    | 2014        |
| 3       | ADE        | Váško Alan        | The micro-mechanisms of failure of nodular cast iron                                                              | 2014        |
| 4       | ADM        | Belan Juraj       | Metallography evaluation of IN 718 after applied heat treatment                                                   | 2014        |
| 5       | ADM        | Zatkalíková Viera | Variability of local corrosion attack morphology of AISI 316Ti stainless steel in aggressive chloride environment | 2014        |
| 6       | ADM        | Soviarová Andrea  | Monitoring of precipitation process in AZ31 and AZ91 magnesium alloys by internal damping measurement             | 2014        |

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|----|-----|--------------------|---------------------------------------------------------------------------------------------|------|
| 7  | ADM | Dresslerová Zuzana | Temperature dependence of the internal friction measured at different excitation voltages   | 2014 |
| 8  | ADM | Uhrčík Milan       | Change of internal friction on aluminium alloy with 10,1 % Mg dependence on the temperature | 2014 |
| 9  | ADM | Markovičová Lenka  | Evaluation of composite structures by light microscopy and image analysis                   | 2014 |
| 10 | ADM | Kuchariková Lenka  | Microstructure control of secondary A 231 cast alloy used in automotive industry            | 2014 |
| 11 | ADM | Váško Alan         | Influence of stress mode on failure micromechanisms of nodular cast iron                    | 2014 |
| 12 | ADE | Kuchariková Lenka  | Prínos metalografie pri štúdiu zlievarenských Al zliatin skupiny 4xxxx                      | 2014 |
| 13 | ADM | Váško Alan         | Quantitative evaluation of microstructure of graphitic cast irons                           | 2014 |

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|----|-----|-------------------|------------------------------------------------------------------------------------------------------------|------|
| 14 | ADE | Zatkalíková Viera | Comparison of rheological parameters of selected polymer modified bituminous binders                       | 2014 |
| 15 | ADM | Faturík Lukáš     | Comparison of structural design in high and ultra-high cycle fatigue regions                               | 2014 |
| 16 | ADM | Alaskari A.       | Mechanical surface treatments effects on corrosion of AISI 316 Ti stainless steel in chloride environments | 2014 |
| 17 | AFG | Halamová Monika   | Influence of surface treatments on localized corrosion behaviour of welded AISI 316L stainless steel       | 2014 |
| 18 | ADE | Pešlová Františka | Corrosion properties of selected materials for blades of water turbines                                    | 2014 |
| 19 | AFH | Ivašková Martina  | Corrosion resistance of Ti-6Al-4V alloy anodized at different volatages                                    | 2014 |

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| 20 | ADE | Nový František | Fatigue strength improvement of the AISI 316Ti austenitic stainless steel by shot peening          | 2014 |
| 21 | ADE | Garbacz Tomasz | Modernization of technological line for cellular extrusion process                                 | 2014 |
| 22 | ADE | Tillová Eva    | Effect of laser surface treatment on the quality of microstructure in recycled Al-Zn-Si cast alloy | 2014 |
| 23 | AFC | Pastorek Filip | Surface properties and corrosion behaviour of shot peened AZ31 Mg alloy                            | 2014 |
| 24 | AFC | Gholami M.     | Corrosion performance of the shot-peened high strength Cu-alloy CuNi3SiMg in 0.1M NaCl             | 2014 |
| 25 | AEC | Váško Alan     | Analysis of failure micromechanisms of synthetic nodular cast irons                                | 2014 |
| 26 | AFC | Trško Libor    | Influence of severe shot peening on high and ultra-high cycle fatigue life of 50CrMo4 steel        | 2014 |

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| 27 | ADF | Dundeková Sylvia  | Microstructural changes of AISI 316L due to structural sensitization and its influence on the fatigue properties | 2014 |
| 28 | ADF | Bukovinová Lenka  | Influence of microstructural features on the corrosion behaviour of AZ91 alloy in chloride media                 | 2014 |
| 29 | ADN | Liptáková Tatiana | Corrosion properties of various copper pipes joints                                                              | 2014 |
| 30 | ADN | Pastorek Filip    | Biodegradation properties of AZ31 magnesium alloy coated by dicalcium phosphate dihydrate                        | 2014 |
| 31 | BCI | Konečná Radomila  | Metódy štúdia štruktúry I                                                                                        | 2014 |
| 32 | ABC | Trojanová Zuzanka | Influence of solute atoms on deformation behaviour of selected magnesium alloys                                  | 2014 |
| 33 | AFD | Belan Juraj       | Quantitative evaluation of alitize coating on ŽS6K Ni-base superalloy                                            | 2014 |

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| 34 | ADE | Kuchariková Lenka | Evaluation of Sb effect on to eutectic Si changes and mechanical properties in an 4xxx Al cast alloys series    | 2014 |
| 35 | AFC | Palček Peter      | Internal friction as a function of temperature in magnesium alloys                                              | 2014 |
| 36 | AFC | Bokůvka Otakar    | Fatigue strength of structural materials in ultra-high cycle region                                             | 2014 |
| 37 | AFC | Soviarová Andrea  | Internal friction behavior of AZ 91 magnesium alloy after homogenization annealing                              | 2014 |
| 38 | ADF | Lovíšek Martin    | Hodnotenie koróznej odolnosti horčíkovej zliatiny MgAl2KVZ2 pred a po úprave povrchu vrstvou vápenatého fosfátu | 2014 |
| 39 | ADF | Bača Adrián       | Structural characteristics and fatigue properties of AlSi12CuNiMg alloy                                         | 2014 |

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| 40 | ADF | Dresslerová Zuzana | Analýza zmien vnútorného tlmenia vybraných zliatin horčíka v závislosti od teploty                                                     | 2014 |
| 41 | ADF | Soviarová Andrea   | Analysis of AZ 31 microstructure after severe plastic deformation by ESED technique                                                    | 2014 |
| 42 | ADE | Ulewicz Robert     | Controlling of the logistic processes                                                                                                  | 2014 |
| 43 | ADC | Mhaede Mansour     | Influence of shot peening on corrosion properties of biocompatible magnesium alloy AZ31 coated by dicalcium phosphate dihydrate (DCPD) | 2014 |
| 44 | ADF | Omasta Miroslav    | Evaluation of biodegradation properties of calcium phosphatized AZ31 magnesium alloy in simulated body fluid                           | 2014 |

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| 45 | ADM | Soviarová Andrea | Analysis of dependence of internal friction on temperature of magnesium alloy with aluminium addition           | 2014 |
| 46 | BCI | Trško Libor      | Dynamická pevnosť a únavová životnosť                                                                           | 2014 |
| 47 | BFA | Smetana Milan    | Austenitic steels magnetic properties evaluation after mechanical and plastic deformation                       | 2014 |
| 48 | ADF | Oravcová Monika  | Vplyv štruktúry ocele AISI 316L na tvrdosť                                                                      | 2014 |
| 49 | AFD | Sarlinova M.     | Fracture properties of bone cements                                                                             | 2014 |
| 50 | AFD | Tillová Eva      | Unconventional metallographic methods for the structural characterization of laser hardened Al-Zn-Si cast alloy | 2014 |
| 51 | AFD | Chalupová Mária  | Microstructure analysis of AlSi10MgMn aluminium cast alloy                                                      | 2014 |
| 52 | AFC | Lukáč Pavel      | Deformation and fracture of a magnesium alloy at elevated temperatures                                          | 2014 |



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| 53 | ADF | Mazur Magdalena    | The impact of welding wire on the mechanical properties of welded joints                                         | 2014 |
| 54 | ADF | Trško Libor        | Fatigue life analysis of die forged railway axle manufactured from C30 steel                                     | 2014 |
| 55 | AFC | Omasta Miroslav    | Electrochemical characteristics of Electron 21 magnesium alloy with dicalcium phosphate dihydrate (DCPD) coating | 2014 |
| 56 | BEE | Dresslerová Zuzana | Vplyv vápnika na mechanické a korózne vlastnosti horčíkových zliatin                                             | 2014 |
| 57 | AED | Tor- Świątek Aneta | Modern polymeric compositions obtained in extrusion process                                                      | 2014 |
| 58 | AED | Samujlo Bronislaw  | Producibility of filled injection molded parts                                                                   | 2014 |
| 59 | AFC | Tillová Eva        | Effect of casting filtration to mechanical properties of AlSi7Mg0.3 cast alloy                                   | 2014 |

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| 60 | AFC | Bokůvka Otakar     | Influence of various factors on ultrahigh-cycle fatigue strength of structural materials                             | 2014 |
| 61 | AFC | Dresslerová Zuzana | Temperature dependence of the internal friction of AZ91 magnesium alloy                                              | 2014 |
| 62 | AFC | Soviarová Andrea   | Development of precipitation in magnesium alloy with 9 % Al by ultrasonic spectroscopy                               | 2014 |
| 63 | AFC | Kuchariková Lenka  | The basic mechanical properties of AlSi7Mg0.3 cast alloy at different testing temperature after modification with Sb | 2014 |
| 64 | ADE | Miková Katarína    | Vplyv vrubu na únavovú životnosť mikrolegovanej ocele X70                                                            | 2014 |
| 65 | AFC | Trško Libor        | Fatigue life of AW 7075 aluminium alloy after severe shot peening treatment with different intensities               | 2014 |

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| 66 | ADM | Trojanová Zuzanka   | Tensile and fracture properties of an Mg-RE-Zn alloy at elevated temperatures                                      | 2014 |
| 67 | BCI | Vaško Alan          | Vlastnosti a použitie kovových materiálov                                                                          | 2014 |
| 68 | AFG | Tor - Świątek Aneta | Analisis of foaming extrusion process                                                                              | 2014 |
| 69 | ADC | Neslušan Miroslav   | Magnetic anisotropy in case-carburized surfaces after hard turning                                                 | 2014 |
| 70 | ACB | Skočovský Petr      | Náuka o materiáli                                                                                                  | 2014 |
| 71 | AFD | Kuchariková Lenka   | The study of iron intermetallic phases morphology with applying deep etching in secondary Al-Si alloys             | 2014 |
| 72 | AFC | Konečná Radomila    | High temperature fatigue strength and quantitative metallography of an eutectic Al-Si alloy for piston application | 2014 |

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| 73 | AFD | Konečná Radomila  | Influence of microstructure and defect population on the fatigue performance of cast A356-T6 automotive components | 2014 |
| 74 | BCI | Bokůvka Otakar    | Materiály I                                                                                                        | 2014 |
| 75 | AFD | Váško Alan        | Influence of charge composition on the structure and fatigue properties of nodular cast irons                      | 2014 |
| 76 | BCI | Konečná Radomila  | Materiály II                                                                                                       | 2014 |
| 77 | AFC | Konečná Radomila  | Fatigue strength degradation of AlSi12CuNiMg alloy due to high temperature exposure: a structural investigation    | 2014 |
| 78 | AEC | Palček Peter      | Influence of microstructure on Mg alloys under static and cyclic loading                                           | 2014 |
| 79 | AEC | Zatkalíková Viera | Effect of temperature on rheological properties of bituminous binders                                              | 2014 |
| 80 | AEC | Ulewicz Robert    | Controlling as a diagnostic tool of the planning process in the cast iron foundries                                | 2014 |

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| 81 | AEC | Vaško Alan        | Failure micromechanisms of nodular cast iron                                         | 2014 |
| 82 | AEC | Kuchariková Lenka | Effect of the antimony on 4xxx Al alloys series structure                            | 2014 |
| 83 | AEC | Markovičová Lenka | Polymer composites based on PE                                                       | 2014 |
| 84 | AEC | Belan Juraj       | The INCONEL'S in 718 alloy metallography evaluation                                  | 2014 |
| 85 | AEC | Bokůvka Otakar    | Damage investigation of fractured inlet and exhaust valve of a combustion engine     | 2014 |
| 86 | AEC | Trško Libor       | Analysis of bend integrity of channels manufactured from austenitic stainless steel  | 2014 |
| 87 | ADN | Pastorek Filip    | Effect of electrodeposition temperature on corrosion resistance of calcium phosphate | 2014 |
| 88 | AEC | Halamová Monika   | Properties of welded AISI 316L by TIG method with and without filler                 | 2014 |

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| 89 | ADC | Hadzima Branislav | Electrochemical characteristics of calcium-phosphatized AZ31 magnesium alloy in 0.9 % NaCl solution | 2014 |
| 90 | ADE | Miková Katarína   | Wpływ obróbki strumieniowo-ściernej i kulowania na wytrzymałość zmęczenia stali konstrukcyjnych     | 2014 |
| 91 | ACB | Bokůvka Otakar    | Fatigue of materials at low and high - frequency loading                                            | 2014 |
| 92 | AFD | Kuchariková Lenka | Microstructural and vickers microhardness evolution of heat treated secondary aluminium cast alloy  | 2014 |
| 93 | AFC | Kuchariková Lenka | The changes of fatigue properties in aluminium cast alloy during solution treatment                 | 2014 |
| 94 | ADE | Hadzima Branislav | Electrodeposition of the calcium phosphate coatings on the Mg-Al-Zn alloys surfaces                 | 2014 |

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| 95  | ADM | Vaško Milan      | Correlation between charge composition and fatigue properties of nodular cast irons                    | 2014 |
| 96  | ADN | Halamová Monika  | Influence of surface structure on corrosion behaviour of welded stainless steel AISi 316L              | 2014 |
| 97  | ADC | Trško Libor      | Effect of severe shot peening on ultra-high-cycle fatigue of a low-alloy steel                         | 2014 |
| 98  | AFC | Kupec Tomáš      | Friction stir welding of Mg and Al alloys                                                              | 2014 |
| 99  | ADN | Bronček Jozef    | Experimental investigation of aluminium alloys 2024-T3 form in terms of tribocorrosion characteristics | 2014 |
| 100 | AFD | Farkašová Mária  | Fraktografická analýza únavových lomov zliatiny AlSi10Mg                                               | 2014 |
| 101 | AFD | Soviarová Andrea | EBSD analýza mikroštruktúry zliatiny AZ 31 po intenzívnej plastickej deformácii                        | 2014 |

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| 102 | AFD | Chalupová Mária    | Štúdium plastickej deformácie a morfológie lomu zliatiny AZ31 pri statickom a dynamickom zaťažovaní | 2014 |
| 103 | AFD | Halamová Monika    | Elektrochemické merania na hodnotenie koróznej odolnosti zvarov                                     | 2014 |
| 104 | AFD | Dresslerová Zuzana | Zmena vnútorného tlmenia horčíkovej zliatiny AZ61 v závislosti od teploty                           | 2014 |
| 105 | AFD | Bača Adrián        | Vplyv teploty na mikroštruktúru zliatiny AlSi12CuNiMg                                               | 2014 |
| 106 | AFD | Mazur Magdalena    | Fatigue properties of Hardox 450 steel                                                              | 2014 |
| 107 | AFD | Tański Tomasz      | Structure and properties of AlMg9 and AlMg5Si2Mn aluminium alloys                                   | 2014 |
| 108 | AFD | Trško Libor        | A study on the effects of serve shot peening on the surface state of AW 7075 Al alloy               | 2014 |



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| 109 | AFD | Omasta Miroslav   | Hodnotenie koróznej odolnosti horčíkových zliatin upravených biokompatibilnými vrstvami                               | 2014 |
| 110 | AFD | Lovíšek Martin    | Vplyv povrchovej vrstvy vápenatého fosfátu na koróznú odolnosť horčíkovej zliatiny Mg-2Al-2KVZ                        | 2014 |
| 111 | AFD | Pastorek Filip    | Korózna odolnosť horčíkovej zliatiny AZ31 povrchovo upravenej tryskaním a elektrodepozíciou vápenatého fosfátu (DCPD) | 2014 |
| 112 | ADE | Liptáková Tatiana | Influence of surface treatment on corrosion behavior of the welded AISI 316L                                          | 2014 |
| 113 | AFC | Liptáková Tatiana | Corrosion of copper pipeline systems under different flow conditions                                                  | 2014 |