

| Por. Č. | Typ článku | Autor             | Názov článku  | Rok vydania |
|---------|------------|-------------------|---|-------------|
| 1       | ADM        | Bilewicz Marcin   | Computer aided image analysis of nanocomposites microstructures                         | 2013        |
| 2       | AEC        | Bokůvka Otakar    | Ignoral of working condition as reason of pipeline damage                               | 2013        |
| 3       | ADM        | Kuchariková Lenka | Effect of heat treatment on fracture surfaces in recycled aluminium cast alloy          | 2013        |
| 4       | ADM        | Liptáková Tatiana | Surface treatment of the AISI 316L after welding and study of corrosion behaviour       | 2013        |
| 5       | BEF        | Halamová Monika   | Effect of surface treatment on corrosion properties of welded stainless steel AISi 316L | 2013        |
| 6       | ADM        | Nový František    | Gigacycle fatigue endurance of marine grade stainless steels with corrosion pits        | 2013        |

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| 7  | ADM | Ulewicz Robert    | Structure and mechanical properties of fine-grained steels   | 2013 |
| 8  | ADF | Halamová Monika   | Corrosion resistance of the welded AISI 316L after various surface treatments                      | 2013 |
| 9  | AEC | Vaško Alan        | Dependance between charge composition and fatigue properties of nodular cast irons                 | 2013 |
| 10 | AEC | Ulewicz Robert    | Identification of the critical region in furniture production                                      | 2013 |
| 11 | ADE | Bokůvka Otakar    | The influence of welded joint quality on safety and reliability in operation                       | 2013 |
| 12 | ADM | Kuchariková Lenka | The structure analysis of secondary (recycled) AlSi9Cu3 cast alloy with and without heat treatment | 2013 |
| 13 | ADF | Trško Libor       | The effect of different shot peening intensities on fatigue life of AW 7075 aluminium alloy        | 2013 |

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| 14 | AFC | Palček Peter      | Internal damping as an indicator of changes in material microstructure                   | 2013 |
| 15 | AFC | Trško Libor       | Fracture surface character of X70 steel after high energy shot peening application       | 2013 |
| 16 | AFC | Palček Peter      | Changes of AZ 61 magnesium alloy internal damping caused by precipitation                | 2013 |
| 17 | AFC | Hlaváčová Ivana   | Strain hardening and softening of magnesium alloys                                       | 2013 |
| 18 | ADN | Mazur Magdalena   | The structure and mechanical properties of Domex 700 MC steel                            | 2013 |
| 19 | ACB | Zatkalíková Viera | Základy chémie pre technikov   | 2013 |
| 20 | AEC | Farkašová Mária   | Fracture surface of aluminium cast alloy AlSi6Cu4  | 2013 |
| 21 | AFD | Tillová Eva       | Scanning electron microscopy identification of intermetallic phases in Al-Si cast alloys | 2013 |

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| 22 | AFD | Kuchariková Lenka | Influence of intermetallic phase's on the fracture surfaces in secondary aluminium cast alloy  | 2013 |
| 23 | AFC | Trško Libor       | Fatigue fracture surface character of X70 microalloyed steel after shot peening application with different parameters                                  | 2013 |
| 24 | ADM | Farkašová Mária   | Fracture surface of recycled AlSi10Mg cast alloy   | 2013 |
| 25 | AFD | Palček Peter      | Effect of microstructure on the development of plastic deformation around the propagating cracks   | 2013 |
| 26 | AFC | Żórawski Wojciech | Microstructure and mechanical properties of plasma sprayed nanostructured and conventional Al <sub>2</sub> O <sub>3</sub> -13TiO <sub>2</sub> coatings | 2013 |

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| 27 | AFC | Hadzima Branislav   | Improve biodegradation properties of Mg-3Al-1Zn magnesium alloy by dicalcium phosphate dehydrate coating | 2013 |
| 28 | ACB | Brůna Marek         | Technológia výroby odliatkov so zvýšenou presnosťou  | 2013 |
| 29 | BCI | Belan Juraj         | Konštrukčné materiály  | 2013 |
| 30 | ADM | Hlaváčová Ivana     | Plastic deformation properties of magnesium alloy AZ61   | 2013 |
| 31 | AFC | Faktorová Dagmar    | A new approach to the comparison of microwave methods used at dielectric constant assessment             | 2013 |
| 32 | ADC | Schlosser František | Deformation properties and fatigue of bituminous mixtures  | 2013 |
| 33 | ADE | Palček Peter        | Evolution of plastic deformation and hardness of magnesium alloy AZ61 after heat treatments              | 2013 |

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| 34 | ADF | Pastorek Filip    | Study of calcium phosphate (DCPD) electrodeposition process on the Mg-3Al-1Zn magnesium alloy surface | 2013 |
| 35 | AFC | Vaško Alan        | Fatigue properties of nodular cast irons  | 2013 |
| 36 | ADM | Palček Peter      | The study of plastic deformation in the crack surrounding in AZ61 alloy                               | 2013 |
| 37 | AFC | Belan Juraj       | Inconel alloy's 718 metallography evaluation as a preparation for fatigue test                        | 2013 |
| 38 | AFC | Hadzima Branislav | Anodic oxidation of Ti-6Al-4V alloys  | 2013 |
| 39 | AFC | Pastorek Filip    | Surface treatment of biocompatible magnesium alloys   | 2013 |
| 40 | AFC | Trško Libor       | Ultra long fatigue life of 50CrMo4 steel with strengthened surface by high energy shot peening        | 2013 |
| 41 | AFC | Soviarová Andrea  | Effect of precipitation and plastic deformation on the hardness of AZ 61 alloy                        | 2013 |

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| 42 | AFC | Tillová Eva       | Effect of modification by strontium on recycled Al-Si-Mg cast alloy                     | 2013 |
| 43 | AFC | Kuchariková Lenka | Changes of matrix microhardness in aluminium cast alloys during hardening               | 2013 |
| 44 | AFC | Liptáková Tatiana | Correlation of rheological and mechanical properties of thermoplastic after degradation | 2013 |
| 45 | AFC | Hlaváčová Ivana   | Evaluation of plastic deformation process in AZ61 alloy                                 | 2013 |
| 46 | ADC | Miková Katarína   | Fatigue behavior of X70 microalloyed steel after severe shot peening                    | 2013 |
| 47 | ADM | Farkašová Mária   | Modification of Al-Si-Cu cast alloy   | 2013 |
| 48 | ADC | Konečná Radomila  | A comparative study of the fatigue behavior of two heat-treated nodular cast irons      | 2013 |
| 49 | AFD | Kováč Matúš       | Využitie vysoko presných 3D modelov povrchu pri hodnotení kvality vozoviek              | 2013 |

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| 50 | AFD | Soviarová Andrea | Využitie matematických metód pri hodnotení teplotnej závislosti vnútorného tlmenia                               | 2013 |
| 51 | AFD | Soviarová Andrea | Zmeny štruktúry vplyvom teplotných meraní ultrazvukovou rezonančnou metódou                                      | 2013 |
| 52 | AFD | Pastorek Filip   | Zvýšenie koróznej odolnosti horčíkovej zliatiny Mg-3Al-1Zn prúdovo riadenou elektrodepozíciou vápenatého fosfátu | 2013 |
| 53 | AFD | Nový František   | Analýza problematiky predčasného opotrebenia monometalických klzných ložísk hydraulických rúk                    | 2013 |
| 54 | AFD | Hlaváčová Ivana  | Štúdium plastickej deformácie horčíkovej zliatiny AZ61   | 2013 |
| 55 | AFD | Hazlinger Marián | Určenie tranzitnej teploty a fraktografická analýza povrchov lomov ocele S355J2                                  | 2013 |



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| 56 | AFD | Farkašová Mária    | Vplyv modifikovania a rýchleho ochladenia na mikroštruktúru a mechanické vlastnosti hliníkovej zliatiny AlSi10Mg           | 2013 |
| 57 | AFD | Belan Juraj        | Charakteristika mikroštruktúry zliatiny inconel IN 718 a vybrané mechanické vlastnosti                                     | 2013 |
| 58 | AFD | Tański Tomasz      | Ocena własności mechanicznych i użytkowych quasi-kompozytowej warstwy wierzchniej odlewniczych stopów aluminium            | 2013 |
| 59 | AFD | Gołombek Klaudiusz | Przeciwzużyciowe powłoki nanoszone na węgliki spiekane i cermetale   | 2013 |
| 60 | AFD | Bonek Mirosław     | Własności warstwy wierzchniej stali PMHSS6-5-3 w zależności od warunków stopowania przy użyciu lasera diodowego dużej mocy | 2013 |
| 61 | AFD | Zatkalíková Viera  | Rheological properties of bituminous binders   | 2013 |

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| 62 | AFD | Szataniak Paweł    | Impact of cutting technology on change of Hardox steel properties                            | 2013 |
| 63 | AFD | Mazur Magdalena    | Effect of welding on properties of Hardox 450 steel  | 2013 |
| 64 | AFD | Kuchariková Lenka  | Degradation of the A413 cast alloy due to an inappropriate temperature of the heat treatment | 2013 |
| 65 | AFD | Halamová Monika    | Pickling impact on surface properties of the welded steel AISI 316L                          | 2013 |
| 66 | FAI | ---                | Degradácia konštrukčných materiálov 2013   | 2013 |
| 67 | AFD | Kokavec Marián     | Role of surface condition on the plane bending fatigue behavior of nodular cast iron         | 2013 |
| 68 | ADN | Fintová Stanislava | Microstructure, defects and fatigue behavior of cast AlSi7Mg alloy                           | 2013 |
| 69 | AFC | Kuchariková Lenka  | Optical and scanning electron microscope studies of recycled (secondary) Al-Si cast alloys   | 2013 |

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| 70 | ADM | Tillová Eva       | The role of antimony in modifying of Al-Si-Cu cast alloy   | 2013 |
| 71 | AEC | Bokůvka Otakar    | Unqualified control as reason of equipment crash   | 2013 |
| 72 | AEC | Liptáková Tatiana | Quality monitoring of thermoplastics by measurement of the rheological characteristics   | 2013 |
| 73 | AEC | Vaško Alan        | Fatigue resistance of syntetic nodular cast irons  | 2013 |
| 74 | ADN | Czán Andrej       | Surface and subsurface residual stresses after machining and their analysis by X-ray diffraction                                 | 2013 |
| 75 | FAI | ---               | TRANSCOM 2013  | 2013 |
| 76 | AFD | Trško Libor       | Influence of severe plastic deformation created by shot peening on fatigue behavior and fracture surface appearance of X70 steel | 2013 |
| 77 | AFD | Soviarová Andrea  | Analysis of spurious effects on ultrasonic internal damping testing equipment  | 2013 |

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| 78 | AFD | Pastorek Filip    | Electrochemical characteristics of AZ31 magnesium alloy with dicalcium phosphate dihydrate (DCPD) coating                       | 2013 |
| 79 | AFD | Mazur Magdalena   | The mechanical properties of Domex 700 MC steel   | 2013 |
| 80 | AFD | Halamová Monika   | Corrosion resistance of treated molybdenum-bearing austenitic stainless steel welds in chloride environment                     | 2013 |
| 81 | AFD | Farkašová Mária   | Influence of heat treatment on the microstructure of AISi10Mg cast alloy  | 2013 |
| 82 | BFA | Trško Libor       | Influence of nanostructured surface layer obtained by severe shot peening on the ultra-high cycle fatigue life of 50CrMo4 steel | 2013 |
| 83 | AFC | Liptáková Tatiana | Character of Cu pipes damage in stagnant and flowing water with chlorides   | 2013 |

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| 84 | AFC | Halamová Monika   | Corrosion resistance of AISI 316L stainless steel welds in chloride environment                                 | 2013 |
| 85 | AFC | Soviarová Andrea  | Influence of precipitation on internal damping of AZ61 alloy  | 2013 |
| 86 | AFC | Kuchariková Lenka | The effect of the phase's morphology on fracture surfaces in recycled aluminium cast alloys                     | 2013 |
| 87 | ADM | Belan Juraj       | Study of advanced Ni-base ŽS6K alloy by quantitative metallography methods                                      | 2013 |
| 88 | ADM | Kuchariková Lenka | Elimination of the negative effect of Fe-rich intermetallic phases in secondary (recycled) aluminium cast alloy | 2013 |
| 89 | ADM | Vaško Alan        | Influence of heat treatment on the microstructure of synthetic nodular cast irons                               | 2013 |

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| 90 | ADC | Vrátna Jitka      | Room temperature corrosion properties of AZ31 magnesium alloy processed by extrusion and equal channel angular pressing     | 2013 |
| 91 | ADE | Kuchariková Lenka | Štúdium mikroštruktúry tepelne spracovanej zliatiny AlSi12Cu1Fe   | 2013 |
| 92 | ADE | Belan Juraj       | Identifikácia typu liatiny použitím ultrazvukovej detekcie  | 2013 |
| 93 | BCI | Nový František    | Dynamic strength and fatigue lifetime   | 2013 |
| 94 | ADF | Żórawski Wojciech | Properties of plasma and HVOF sprayed coatings  | 2013 |
| 95 | AFC | Podzorova L. I.   | Microstructure of composites [Ce-TZP] - [Al <sub>2</sub> O <sub>3</sub> ] modified by Yb <sup>+3</sup> and Ca <sup>+2</sup> | 2013 |
| 96 | AFD | Pastorek Filip    | Vytvorenie vrstvy vápenatého fosfátu (DCPD) na povrchu horčíkovej zliatiny Mg-3Al-1Zn elektrodepozíciou                     | 2013 |

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| 97  | AFD | Soviarová Andrea | Amplitúdová závislosť modulu pružnosti   | 2013 |
| 98  | AFD | Hlaváčová Ivana  | Vplyv Ca a tepelného spracovania na mikromechanizmy porušovania zliatin horčíka                            | 2013 |
| 99  | AFD | Halamová Monika  | Korózna odolnosť zvarov ocele AISI 316L po rôznej povrchovej úprave  | 2013 |
| 100 | AFD | Farkašová Mária  | Mikromechanizmy porušovania zliatiny AlSi6Cu4  | 2013 |
| 101 | AFD | Trško Libor      | Fatigue fractures appearance of a microalloyed steel with work - hardened surface obtained by shot peening | 2013 |
| 102 | AFD | Szataniak Paweł  | Fatigue properties fine-grained steel  | 2013 |
| 103 | AFD | Mazur M.         | Hardox steel fatigue properties in the area of high cycle fatigue  | 2013 |