

Por. Č.	Typ článku	Autor	Názov článku	Rok vydania
1	ADM	Kuchariková Lenka	Identification and analysis of intermetallic phases in age-hardened recycled AlSi9Cu3 cast alloy	2012
2	ADF	Schlosser František	Reológia asfaltov a asfaltových zmesí	2012
3	AFC	Miková Katarína	Application of shot peening and sand blasting at increasing of structural steels fatigue resistance	2012
4	AFC	Palček Peter	Study of the plastic deformation mechanisms of AZ 61 alloy with addition of Ca	2012
5	AFG	Faktorová Dagmar	A new approach to the comparison of microwave methods used at dielectric constant measurement	2012
6	AFG	Hadzima Branislav	Electrochemical characteristics of calcium-phosphatized AZ31 magnesium alloy in 0,9% NaCl	2012
7	DAI	Blažek Dalibor	Analýza spektra vnútorného tlmenia horčkových zliatin	2012
8	ADF	Brezničan Martin	Vplyv podmienok tepelného spracovania na tvrdosť a mikroštruktúru nehrdzavejúcej ocele X17CrNi16-2	2012
9	ADF	Miková Katarína	The role of shot peening in increasing X70 steel fatigue properties	2012
10	ADF	Isteníková Katarína	Metamaterial structures and possibility of their application in microwave applicator optimization	2012
11	ADF	Kokavec Marián	Fatigue strength nodular cast iron with different surface conditions under bending loading	2012
12	ADF	Liptáková Tatiana	Corrosion-erosion waste of metals in the duct system of the recycling aluminium furnace	2012
13	ADF	Pastorek Filip	Electrochemical characteristics of Mg-3Al-1Zn magnesium alloy surface with hydroxyapatite coating	2012

14	ADF	Kuchariková Lenka	Mechanical properties of heat treated secondary AlSi12Cu1Fe cast alloy at room temperature	2012
15	AEC	Bokůvka Otakar	Use of materials surface strengthening in the field of fatigue	2012
16	ADE	Zatkalíková Viera	Susceptibility of Cr-Ni-Mo stainless steel to pitting in relation to temperature	2012
17	AFD	Kupec Tomáš	Friction stir welding of magnesium alloys	2012
18	AFD	Kupec Tomáš	Príspevok k stanoveniu parametrov a podmienok zvárania kovov metódou FSW	2012
19	ADE	Kupec Tomáš	Metallurgical joining of magnesium alloys by the FSW process	2012
20	ADC	Trojanová Z.	Superplastic behaviour of an extruded AZ91 alloy	2012
21	ADE	Ďuriníková Emília	Use of unconventional methods of etching in the analysis of intermetallic phases in secondary aluminium alloy	2012
22	ADE	Kuchariková Lenka	Effect of chemical composition of secondary Al-Si cast alloy on intermetallic phases	2012
23	AEC	Farkašová Mária	Influence of antimony on the microstructure and the properties of AlSi6Cu4 cast alloy	2012
24	AFC	Liptáková Tatiana	Effect of flow on corrosion products of simulated copper pipelines system	2012
25	ADF	Vojsovičová Michaela	Changes of rheological parameters of polypropylene and polyethylene after exposure in aliphatic n-hexane	2012
26	ADF	Guagliano Mario	Influence of shot peening on AISI 316Ti fatigue properties	2012
27	ADF	Kokavec Marián	Nodular cast iron fatigue lifetime in cyclic plane bending	2012
28	AEC	Ďuriníková Emília	Quality of the surface and structure of AlZn10Si8Mg cast alloy after laser treatment	2012
29	AEC	Bokůvka Otakar	Quality of welded joint and reliability in operation	2012

30	ADE	Kuchariková Lenka	Changes in structural characteristics of hypoeutectic Al-Si cast alloy after age hardening	2012
31	ADE	Żórawski Wojciech	Tribological properties of plasma and HVOF sprayed composite coatings	2012
32	AFC	Palček Peter	Influence of AZ61 structure on the plastic deformation around a crack	2012
33	AFC	Kuchariková Lenka	The structural analysis of secondary (recycled) AlSi9Cu3 cast alloy	2012
34	AFC	Farkašová Mária	Microstructure and the properties of AlSi6Cu4 cast alloy after Sb-modification	2012
35	AFC	Trško Libor	Fatigue properties of structural steel influenced by sand blasting	2012
36	AFC	Miková Katarína	Fatigue properties of X70 microalloyed pipeline steel after shot peening application	2012
37	AFC	Liptáková Tatiana	Effects of surface finishing on local corrosion of 316-Ti stainless steels	2012
38	ABC	Belan Juraj	Study of advanced materials for aircraft jet engines using quantitative metallography	2012
39	AFD	Liptáková Tatiana	Príspevok prúdenia na degradáciu medených potrubí	2012
40	ADE	Marônek Milan	Fatigue properties of steel sheets treated by nitrooxidation	2012
41	ADC	Minárik P.	Substantially higher corrosion resistance in AE42 magnesium alloy through corrosion layer stabilization by ECAP treatment	2012
42	ADF	Vaško Alan	Influence of charge composition on microstructure of nodular cast irons after heat treatment	2012
43	ADF	Belan Juraj	Metallography of alloys used in aircraft jet engine construction	2012
44	ADE	Hriňák Jozef	Comparison of the properties of composite organic railway brake blocks of type K with cast iron brake block P10	2012
45	AFD	Schlosser František	Vlastnosti asfaltov a asfaltových zmesí	2012

46	AFC	Vrátná Jitka	Microstructure and corrosion properties of ultra-fine grained magnesium alloy processed by extrusion and ECAP	2012
47	ADE	Bukovinová Lenka	Electrochemical characteristics of magnesium alloy AZ31 in Hank's solution	2012
48	BAB	Liptáková Tatiana	Polymérne konštrukčné materiály	2012
49	ADE	Porubčan Jakub	Internal friction in extruded aluminium alloy	2012
50	ADE	Blažek Dalibor	Amplitude dependent internal friction of magnesium alloy AZ31 at room temperature	2012
51	BED	Škorík Viktor	Základné elektrochemické vlastnosti hliníkovej zliatiny AW6082 pred a po anódovej oxidácii.	2012
52	ADC	Nový František	Microstructure evolution in a 2 618 aluminium alloy during creep-fatigue tests	2012
53	ADE	Vaško Alan	Microstructure and mechanical properties of austempered ductile iron	2012
54	ADF	Tillová Eva	Solution treatment effect on microstructure and mechanical properties of automotive cast alloy	2012
55	ABC	Tillová Eva	Evolution of phases in a recycled Al-Si cast alloy during solution treatment	2012
56	AFC	Nicoletto G.	Fatigue crack propagation and threshold in high strength ductile iron	2012
57	ADC	Kunz Ludvík	Casting defects and high temperature fatigue life of IN 713LC superalloy	2012
58	FAI	---	Advanced manufacturing and repair technologies in vehicle Industry	2012
59	ADE	Nový František	Ultra high cycle fatigue of materials	2012
60	ADC	Nicoletto Gianni	Characterization of microshrinkage casting defects of Al-Si alloys by X-ray computed tomography and metallography	2012

61	AFD	Hlaváčová Ivana	Intermetallic compounds formed between lead-free solders and Cu substrates	2012
62	AFD	Szataniak Paweł	New materials and requirements for construction materials applied to car semitrailers	2012
63	AFD	Vojsovičová Michaela	Rheological evaluation of thermoplastic polymer material after exposure in aliphatic n--hexane	2012
64	AFD	Zatkalíková Viera	Pitting corrosion of AISI 316Ti stainless steel after HNO ₃ passivation	2012
65	AFD	Liptáková Tatiana	Influence of flow on copper corrosion products in pipelines system	2012
66	AFD	Blažek Dalibor	Measuring of internal friction by the resonance method	2012
67	AFD	Porubčan Jakub	Amplitude dependent internal friction of commercial purity aluminium at room temperature	2012
68	AFD	Ulewicz Robert	Fatigue properties of selected grades of steel used for main components of semitrailers and agricultural machines	2012
69	AFD	Guagliano Mario	Influence of surface hardening on fatigue properties of AISI 316Ti stainless steel	2012
70	AFD	Żorawski Wojciech	Microstructure and tribological properties of plasma and HVOF sprayed composite coatings	2012
71	AFD	Farkašová Mária	Effect of Sb-modification on the microstructure of AlSi6Cu4 cast alloy	2012
72	AFD	Ďuriníková Emília	Effect of laser surface treatment on the AlZn10Si8Mg cast alloy	2012
73	AFD	Kuchariková Lenka	Characterization of microstructures in secondary (recycled) AlSi12Cu21Fe cast alloy	2012
74	ABC	Konečná Radomila	Copper and copper alloys: casting, classification and characteristic microstructures	2012
75	ADF	Mintách Rastislav	Impact strength and failure analysis of welded damascus steel	2012

76	ADE	Konečná Radomila	Microstructure vs. near-threshold fatigue crack growth behavior of an heat-treated ductile iron	2012
77	AFD	Vojsovičová Michaela	Vplyv chemického rozpúšťadla ako degradačného prostredia na reologické vlastnosti termoplastov	2012
78	AFD	Porubčan Jakub	Sledovanie zmien v dislokačnej štruktúre hliníkovej zliatiny meraním amplitúdových závislostí vnútorného tlmenia	2012
79	AFD	Pastorek Filip	Vplyv úpravy povrchu na koróznou odolnosť zliatin Mg-Al-RE	2012
80	AFD	Miková Katarína	Únavová životnosť mikrolegovaných ocelí pre potrubia určené na transport zemného plynu	2012
81	AFD	Hlaváčová Ivana	Rast intermetalických fáz na rozhraní spájka - substrát	2012
82	AFD	Halamová Monika	Vhodnosť prídavného materiálu na zváranie antikorových košov	2012
83	AFD	Farkašová Mária	Vplyv antimónu na štruktúru a vlastnosti zliatiny AlSi6Cu4	2012
84	AFD	Fajnor Pavol	Vplyv povrchovej voľnej energie na odolnosť nehrdzavejúcej ocele AISI 316Ti voči bodovej korózii	2012
85	AFD	Ďuriníková Emília	Vplyv laserového spevnenia povrchu na zmenu štruktúry zliatiny AlZn10Si8Mg	2012
86	AFD	Mazur M.	Properties of steel used in the production of semi-trailers car	2012
87	AFD	Ulewicz Robert	Hardox 400 mechanical properties	2012
88	AFD	Trško Libor	Gigacycle fatigue of selected structural materials	2012
89	AFD	Blažek Dalibor	Impact of the shape of specimen on measured internal friction	2012
90	AFD	Laš Juraj	Návrh funkčnej schémy zariadenia na testovanie materiálov klzných dvojíc pre medicínske implantáty	2012