Zuzanka Trojanova

List of Publications by Year
in descending order

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159	1,951	279701	330025
papers	citations	23 h-index	37 g-index

167	167	167	1210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deformation behaviour of Mgâ€“Liâ€“Al alloys. Journal of Alloys and Compounds, 2004, 378, 192-195.	2.8	138
2	Strengthening in a WE54 magnesium alloy containing SiC particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 225-229.	2.6	101
3	Strengthening in Mgâ€“Li matrix composites. Composites Science and Technology, 2007, 67, 1965-1973.	3.8	79
4	Mechanical and fracture properties of an AZ91 Magnesium alloy reinforced by Si and SiC particles. Composites Science and Technology, 2009, 69, 2256-2264.	3.8	75
5	Deformation behaviour of Mgâ€“Li alloys at elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 410-411, 148-151.	2.6	66
6	Investigating deformation processes in AM60 magnesium alloy using the acoustic emission technique. Acta Materialia, 2006, 54, 5361-5366.	3.8	64
7	Compressive deformation behaviour of magnesium alloys. Journal of Materials Processing Technology, 2005, 162-163, 416-421.	3.1	62
8	Significance of twinning in the anisotropic behavior of a magnesium alloy processed by equal-channel angular pressing. Scripta Materialia, 2010, 63, 504-507.	2.6	53
9	Investigation of tensionâ€“compression asymmetry of magnesium by use of the acoustic emission technique. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5904-5907.	2.6	51
10	Hardening and softening in deformed magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 324, 141-144.	2.6	48
11	Evaluating plastic anisotropy in two aluminum alloys processed by equal-channel angular pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 497, 206-211.	2.6	43
12	Modeling of hardening and softening processes in Mg alloys. Journal of Alloys and Compounds, 2004, 378, 176-179.	2.8	41
13	Stress Relaxation in AX41 Magnesium Alloy Studied at Elevated Temperatures. Advanced Engineering Materials, 2007, 9, 370-374.	1.6	41
14	Mechanical spectroscopy of commercial AZ91 magnesium alloy. Scripta Materialia, 2001, 45, 1365-1371.	2.6	39
15	Internal friction in microcrystalline and nanocrystalline Mg. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 154-157.	2.6	34
16	Internal stress and thermally activated dislocation motion in an AZ63 magnesium alloy. Materials Chemistry and Physics, 2011, 130, 1146-1150.	2.0	33
17	Hardening and softening in selected magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 23-28.	2.6	32
18	Influence of Accumulative Roll Bonding on the Texture and Tensile Properties of an AZ31 Magnesium Alloy Sheets. Materials, 2018, 11, 73.	1.3	28

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19	Deformation behaviour of Mgâ€“0.7 wt.% Nd alloy. Journal of Alloys and Compounds, 2004, 378, 180-183.	2.8	27
20	Mechanical properties of Mg alloys composites reinforced with short SaffilÂ® fibres. Journal of Alloys and Compounds, 2004, 378, 19-26.	2.8	27
21	Internal friction in microcrystalline magnesium reinforced by alumina particles. Journal of Alloys and Compounds, 2000, 310, 396-399.	2.8	25
22	Thermally activated processes in microcrystalline Mg. Scripta Materialia, 2000, 42, 1095-1100.	2.6	24
23	Study of relaxation of residual internal stress in Mg composites by internal friction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 324, 122-126.	2.6	24
24	Microstructure of superplastic QE22 and EZ33 magnesium alloys. Materials Letters, 2008, 62, 4041-4043.	1.3	23
25	The Portevin-Le ChÃ¢telier effect in Al-2.92%Mg-0.38%Mn alloy and linear location of acoustic emission. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 164, 260-265.	2.6	22
26	Investigation of some magnesium alloys by use of the acoustic emission technique. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 387-389, 331-335.	2.6	21
27	Influence of Processing Techniques on Microstructure and Mechanical Properties of a Biodegradable Mg-3Zn-2Ca Alloy. Materials, 2016, 9, 880.	1.3	21
28	Micro-Tensile Behavior of Mg-Al-Zn Alloy Processed by Equal Channel Angular Pressing (ECAP). Materials, 2018, 11, 1644.	1.3	19
29	The Effect of Grain Size on the Deformation Behaviour of Selected Mg Alloys. Materials Science Forum, 2008, 567-568, 85-88.	0.3	18
30	Physical aspects of plastic deformation in Mgâ€“Al alloys with Sr and Ca. International Journal of Materials Research, 2009, 100, 270-276.	0.1	18
31	Deformation behaviour of an AS21 alloy reinforced by short Saffil fibres and SiC particles. Journal of Materials Processing Technology, 2005, 162-163, 131-138.	3.1	17
32	On the strain to the onset of serrated flow in a magnesium alloy. Scripta Materialia, 2007, 56, 793-796.	2.6	17
33	Acoustic emission from zinc deformed at room temperature Part I The influence of strain rate on deformation behaviour and acoustic emission in pure zinc. Journal of Materials Science Letters, 1993, 12, 1035-1037.	0.5	15
34	Fatigue in magnesium alloy AZ91-<mml:math altimg="si1.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://. Procedia Engineerin	1.2	15
35	Acoustic emission from deformed magnesium alloy based composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 2479-2483.	2.6	15
36	Cyclic bending and the damping behaviour of short fibre-reinforced magnesium alloy AZ91. Composites Science and Technology, 2006, 66, 585-590.	3.8	14

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37	Internal stresses during creep of magnesium alloys at 523K. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 215-219.	2.6	14
38	Hardening and softening in Zrî—¸Sn polycrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 164, 246-251.	2.6	13
39	Thermal stability of copper reinforced by nanoscaled and microscaled alumina particles investigated by internal friction. Scripta Materialia, 1999, 40, 1063-1069.	2.6	13
40	Characterisation of dynamic strain ageing in two magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 387-389, 80-83.	2.6	13
41	Dynamic Strain Ageing During Stress Relaxation in Selected Magnesium Alloys Containing Rare earth Elements. Advanced Engineering Materials, 2005, 7, 1027-1032.	1.6	13
42	Degradation of the mechanical properties of a Mgâ€“Liâ€“Al composite at elevated temperatures studied by the stress relaxation technique. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 234-238.	2.6	13
43	Tensile and fracture properties of an Mg-RE-Zn alloy at elevated temperatures. Journal of Rare Earths, 2014, 32, 564-572.	2.5	13
44	Influence of texture on the thermal expansion coefficient of Mg/BN nanocomposite. Thermochimica Acta, 2016, 644, 69-75.	1.2	13
45	Solid solution hardening of cadmium single crystals. Physica Status Solidi A, 1979, 53, K143-K145.	1.7	12
46	Thermally activated deformation of Alpha Zirconium. Crystal Research and Technology, 1984, 19, 401-405.	0.6	11
47	Discontinuouslow temperature deformation of Zrî—¸Sn alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 137, 151-155.	2.6	11
48	Thermal Conductivity of an AZ31 Sheet after Accumulative Roll Bonding. Crystals, 2018, 8, 278.	1.0	11
49	Creep of Al-3wt.%Mg as measured with the incremental loading method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 148, 7-14.	2.6	10
50	Changes in the microstructure of QE22 composites estimated by non-destructive methods. Journal of Alloys and Compounds, 2002, 339, 327-334.	2.8	10
51	Influence of mechanical cycling on damping behaviour of short fibre-reinforced magnesium alloy QE22. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 484-487.	2.6	10
52	Deformation behaviour of an AJ50 magnesium alloy at elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 202-205.	2.6	10
53	Acoustic emission from deformed Mgâ€“Yâ€“Nd alloy and this alloy reinforced with SiC particles. Journal of Alloys and Compounds, 2010, 504, L28-L30.	2.8	10
54	Effect of Rotary Swaging on Microstructure and Mechanical Properties of an AZ31 Magnesium Alloy. Advanced Engineering Materials, 2020, 22, 1900596.	1.6	10

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55	Strain Hardening in an AZ31 Alloy Submitted to Rotary Swaging. Materials, 2021, 14, 157.	1.3	10
56	Plastic deformation of Zr-Sn polycrystals at intermediate temperatures. Journal of Materials Science, 1995, 30, 2930-2935.	1.7	9
57	Effect of the fiber orientation on the deformation mechanisms of magnesium-alloy based composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 643, 25-31.	2.6	9
58	Plastic deformation of alpha-zirconium polycrystals. European Physical Journal D, 1985, 35, 298-301.	0.4	8
59	The Portevin-Le Chatelier effect in Al-3% Mg and Al-2.92% Mg-0.38% Mn investigated by the acoustic emission technique. Journal of Materials Science Letters, 1992, 11, 91-93.	0.5	8
60	Acoustic emission from zinc deformed at room temperature Part II The influence of grain size on deformation behaviour and acoustic emission of pure zinc. Journal of Materials Science Letters, 1993, 12, 1166-1168.	0.5	8
61	The Portevin-Le ChÃ¢telier Effect in Cu-Al Single Crystals Investigated by Acoustic Emission and Slip Line Cinematography. Key Engineering Materials, 1995, 97-98, 263-268.	0.4	7
62	Dislocation Generation in Mg Matrix Composites due to Thermal Cycling. Key Engineering Materials, 1997, 127-131, 1001-1008.	0.4	7
63	Damping in Magnesium Matrix Composites. Materials Science Forum, 1996, 210-213, 619-626.	0.3	7
64	Plastic Properties of Microcrystalline Mg with Ceramic Nanoparticles. Materials Science Forum, 2008, 567-568, 189-192.	0.3	7
65	Stress Relaxation in an AZ31 Magnesium Alloy. Key Engineering Materials, 0, 465, 101-104.	0.4	7
66	Internal Friction in Extruded Aluminium Alloy. Solid State Phenomena, 0, 184, 197-202.	0.3	7
67	Influence of the strain rate on deformation mechanisms of an AZ31 magnesium alloy. International Journal of Materials Research, 2013, 104, 762-768.	0.1	7
68	Plastic Properties of a Mg-Al-Ca Alloy Reinforced with Short Saffil Fibers. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 29-35.	1.1	7
69	Internal Friction in Magnesium Alloys and Magnesium Alloys- Based Composites. , 0, , .		7
70	Local Mechanical Properties and Microstructure of EN AW 6082 Aluminium Alloy Processed via ECAPâ€“Conform Technique. Materials, 2020, 13, 2572.	1.3	7
71	Magnesium Reinforced with Inconel 718 Particles Prepared Ex Situâ€”Microstructure and Properties. Materials, 2020, 13, 798.	1.3	7
72	Hardening and softening in an Mgâ€“Alâ€“Ca matrix alloy reinforced with short graphite fibres. International Journal of Materials Research, 2009, 100, 399-402.	0.1	7

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73	Damping behaviour of a Mgâ€“Alâ€“Ca alloy reinforced by short Saffil fibres. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 521-522, 314-317.	2.6	6
74	In situ investigation of deformation mechanisms in magnesium-based metal matrix composites. Metals and Materials International, 2015, 21, 652-658.	1.8	6
75	SPD Processed Materials Mechanical Properties Determination with the Use of Miniature Specimens. Materials Science Forum, 2016, 879, 471-476.	0.3	6
76	Amplitude Dependent Internal Friction in a Mg-Al-Zn Alloy Studied after Thermal and Mechanical Treatment. Metals, 2017, 7, 433.	1.0	6
77	The in-situ mechanical spectroscopy and electric resistance study of WE43 magnesium alloy during aging. Journal of Alloys and Compounds, 2018, 743, 646-653.	2.8	6
78	Optimization of the Mechanical Performance of Titanium for Biomedical Applications by Advanced, High-Gain SPD Technology. Crystals, 2020, 10, 422.	1.0	6
79	Anelastic Properties of Nanocrystalline Magnesium. , 0, , 413-419.		6
80	An analysis of the stress relaxation curves. European Physical Journal D, 1985, 35, 292-297.	0.4	5
81	Propagation of localized slip bands in low-temperature deformation of Cuâ€“Be. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 324, 208-213.	2.6	5
82	Deformation Processes in Mg-Li-Al Base Composites. Materials Science Forum, 2003, 419-422, 817-822.	0.3	5
83	Internal friction in a QE22 hybrid composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 370, 542-545.	2.6	5
84	Plastic and fatigue behaviour of ultrafine-grained magnesium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 483-484, 477-480.	2.6	5
85	Hardening and Softening in Magnesium Alloys. , 2011, , .		5
86	Deformation Behaviour of AX91 and AJ62 Mg Alloys. Procedia Engineering, 2011, 10, 2318-2323.	1.2	5
87	High frequency cycling behaviour of three AZ magnesium alloys â€“ microstructural characterisation. International Journal of Materials Research, 2016, 107, 903-915.	0.1	5
88	Elastic and Plastic Behavior of an Ultrafine-Grained Mg Reinforced with BN Nanoparticles. Journal of Materials Engineering and Performance, 2018, 27, 3112-3121.	1.2	5
89	Studying the Thermally Activated Processes Operating during Deformation of hcp and bcc Mgâ€“Li Metal-Matrix Composites. Metals, 2021, 11, 473.	1.0	5
90	Superplastic Behaviour of an Mg-Ag-RE Magnesium Alloy. Acta Physica Polonica A, 2015, 128, 765-768.	0.2	5

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91	The influence of severe plastic deformation on the thermal expansion of additively manufactured Ti6Al4V alloy. Journal of Materials Research and Technology, 2022, 19, 3498-3506.	2.6	5
92	Thermally (non-)activated deformation of Zr-Sn polycrystals. European Physical Journal D, 1988, 38, 482-484.	0.4	4
93	Internal Friction in Magnesium and Magnesium Calcium Alloys Prepared by Rapid Solidification. Materials Science Forum, 1996, 210-213, 825-830.	0.3	4
94	Effect of Thermal Cycling on the Damping Behaviour of Mg Matrix Composites. Key Engineering Materials, 1996, 127-131, 993-1000.	0.4	4
95	Microstructural changes in ZE41 composite estimated by acoustic measurements. Journal of Alloys and Compounds, 2003, 355, 113-119.	2.8	4
96	Stress Relaxation in Selected Magnesium Alloys. Key Engineering Materials, 2007, 345-346, 1613-1616.	0.4	4
97	Damage in fiber reinforced and unreinforced AZ91 studied by internal friction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 230-233.	2.6	4
98	Internal Friction in Commercial Aluminium Alloy AW-2007. Procedia Engineering, 2011, 10, 1226-1231.	1.2	4
99	Elastic and Plastic Behavior of the QE22 Magnesium Alloy Reinforced with Short Saffil Fibers and SiC Particles. Metals, 2018, 8, 133.	1.0	4
100	Effect of Equal Channel Angular Extrusion on the Thermal Conductivity of an AX52 Magnesium Alloy. Crystals, 2020, 10, 497.	1.0	4
101	Elastic constants of the alloys Cd1â^'x Zn x (x<0.3%) and their temperature dependence. European Physical Journal D, 1982, 32, 899-906.	0.4	3
102	Softening during Deformation of Zr Alloys. Key Engineering Materials, 1995, 97-98, 359-364.	0.4	3
103	Unstable low temperature deformation in a Cu-2 Be alloy. European Physical Journal D, 1996, 46, 2729-2730.	0.4	3
104	Characteristics of low temperature serrated flow in Cuï£¿Be alloy. Physica Status Solidi A, 1996, 157, 295-302.	1.7	3
105	Mechanical Properties of AS21 Magnesium Alloy Based Composites. Materials Science Forum, 2005, 482, 363-366.	0.3	3
106	Thermal stresses in Mgâ€“Agâ€“Nd alloy reinforced by short Saffil fibers studied by internal friction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 480-483.	2.6	3
107	High-pressure torsion deformation of a magnesium-based nanocomposite. International Journal of Materials Research, 2009, 100, 906-909.	0.1	3
108	Cracks Detection in Mg Alloy by Electro-Ultrasonic Spectroscopy. Key Engineering Materials, 0, 465, 294-297.	0.4	3

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109	Stress Relaxation Tests: Modeling Issues and Applications in Magnesium Alloys and Composites. Journal of Materials Engineering and Performance, 2023, 32, 2766-2783.	1.2	3
110	On precipitation hardening in Cd-Zn alloy. European Physical Journal D, 1978, 28, 113-116.	0.4	2
111	Elastic and Anelastic Behaviour of Zirconium Polycrystals. Materials Science Forum, 1996, 210-213, 495-502.	0.3	2
112	Internal friction in magnesium reinforced by short Al2O3 fibres after thermal cycling. European Physical Journal D, 1999, 49, 349-358.	0.4	2
113	Deformation Behaviour of an AZ91 Alloy and Composite. Key Engineering Materials, 2000, 188, 121-128.	0.4	2
114	Thermally Activated Dislocation Motion Studied by Internal Friction. Defect and Diffusion Forum, 2002, 203-205, 249-252.	0.4	2
115	Anelastic Properties of Mg+3vol.%Gr Prepared by Ball Milling. Key Engineering Materials, 2006, 319, 189-196.	0.4	2
116	Study of thermally activated dislocation motion in AJ51 and AE42 magnesium alloys. Journal of Physics: Conference Series, 2010, 240, 012019.	0.3	2
117	Enhanced Plasticity of WE54/SiC Composite Prepared by Powder Metallurgy. Key Engineering Materials, 0, 465, 419-422.	0.4	2
118	Amplitude Dependent Internal Friction of Magnesium Alloy AZ31 at Room Temperature. Solid State Phenomena, 2012, 184, 179-184.	0.3	2
119	Neutron Diffraction and Acoustic Emission Study of Mg-Al-Sr Alloy Reinforced with Short Saffil^{Â®} Fibers Deformed in Compression. Materials Science Forum, 2014, 777, 92-98.	0.3	2
120	Superplastic Behaviour of Selected Magnesium Alloys. , 2018, , .		2
121	Amplitude Dependent Internal Friction in Strained Magnesium Alloys of AZ Series. Crystals, 2020, 10, 608.	1.0	2
122	Strengthening and Thermally Activated Processes in an AX61/Saffil Metal Matrix Composite. Crystals, 2020, 10, 466.	1.0	2
123	Deformation behaviour of ultrafine-grained magnesium with 3 vol.% graphite. International Journal of Materials Research, 2006, 97, 344-349.	0.8	2
124	Hardening and Softening Processes in an AJ51 Magnesium Alloy Reinforced with Short Saffil Fibres. , 2014, , 435-440.		2
125	Thermally activated process in deformed alpha titanium. European Physical Journal D, 1988, 38, 491-493.	0.4	1
126	Plastic Deformation of Polycrystalline Zn-0.25%Cd Alloy and Linear Location of Acoustic Emission. Key Engineering Materials, 1995, 97-98, 407-412.	0.4	1

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127	Microstructural Characterization by Nondestructive Methods. Materials Science Forum, 2005, 482, 103-108.	0.3	1
128	Superplasticity of an AZ91 Magnesium Alloy. Materials Science Forum, 2008, 567-568, 365-368.	0.3	1
129	Deformation behaviour of microcrystalline magnesium reinforced by alumina nano- and microparticles. International Journal of Materials Research, 2009, 100, 403-406.	0.1	1
130	Elastic and plastic properties of ultrafine-grained magnesium. International Journal of Materials and Product Technology, 2011, 40, 120.	0.1	1
131	Experimental Study on the Relation between Elastic and Thermal Deformation of the AZ31 Magnesium Alloy and Composite. Key Engineering Materials, 0, 465, 423-426.	0.4	1
132	Fatigue Behavior of Magnesium Alloy AJ91 Studied by Amplitude Dependent Damping Measurements. Solid State Phenomena, 0, 184, 185-190.	0.3	1
133	Texture analysis of zirconium samples deformed by uniaxial tension using neutron and X-ray diffraction. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012022.	0.3	1
134	Effect of Short Saffil Fibres and SIC Particles on Mechanical Properties of Magnesium Alloys. Communications - Scientific Letters of the University of Zilina, 2009, 11, 10-16.	0.3	1
135	Deformation of Cd and Zn single crystals. European Physical Journal D, 1981, 31, 133-134.	0.4	0
136	Plastic deformation of alpha-Zr polycrystals. European Physical Journal D, 1981, 31, 163-164.	0.4	0
137	Stress relaxation in Cdï£¿Zn polycrystals. Physica Status Solidi A, 1990, 118, 455-460.	1.7	0
138	Mechanical properties of Zr-3Sn-1Mo-1Nb alloy at various temperatures. Journal of Materials Science, 1993, 28, 5759-5764.	1.7	0
139	Acoustic Emission from Deformed Zn Single Crystals. Key Engineering Materials, 1994, 97-98, 401-406.	0.4	0
140	Internal Friction in a ZC63 Matrix Composite. Defect and Diffusion Forum, 2002, 203-205, 273-276.	0.4	0
141	Unstable Plastic Deformation in Mg Alloys-Post Relaxation Effect. , 2005, , 495-500.		0
142	Deformation Behaviour of Mg-Li-Al Alloys at Room and Elevated Temperatures. , 2005, , 122-127.		0
143	Mechanical Properties of AZ91 Alloy after Equal Channel Angular Pressing. , 2005, , 190-193.		0
144	Changes in the Microstructure of Mg-Nd Based Composites Due to Thermal Loading Estimated by Internal Damping Measurements. , 2006, , 268-272.		0

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145	Dislocation Generation in Mg Composites during Thermal Cycling. , 2006, , 184-189.		0
146	Deformation Behaviour of an AX41 Magnesium Alloy at Elevated Temperatures. Materials Science Forum, 2008, 567-568, 321-324.	0.3	0
147	Enhanced Plasticity of a Mg-8Li Alloy Reinforced with SiC Particles. Key Engineering Materials, 0, 465, 378-381.	0.4	0
148	Effect of temperature on mechanical properties of continuously cast AZ31 magnesium alloy. Metallic Materials, 2012, 50, 139-146.	0.2	0
149	Deformation and Fracture of a Magnesium Alloy at Elevated Temperatures. Key Engineering Materials, 0, 592-593, 75-78.	0.4	0
150	Thermally Activated Dislocation Motion in an AS21 Alloy and Alloy Reinforced with Short Ceramic Fibres Studied at Elevated Temperatures. Key Engineering Materials, 0, 592-593, 71-74.	0.4	0
151	Analysis of preferential orientation in zirconium samples deformed by uniaxial tension using neutron and X-ray diffraction. Powder Diffraction, 2015, 30, S52-S55.	0.4	0
152	Influence of Thermomechanical Treatment on the Damping Capacity of Selected Magnesium Alloys. Materials Science Forum, 2016, 879, 1992-1997.	0.3	0
153	Stress Relaxations in a Magnesium Alloy and Composite. , 0, , 678-683.		0
154	Effect of fabrication processing on the deformation behaviour of AZ31 magnesium alloys. Metallic Materials, 2011, 49, 385-391.	0.2	0
155	Thermal and mechanical stability of Mg based nanocomposite studied by internal friction measurements. Metallic Materials, 2011, 49, 213-217.	0.2	0
156	Internal friction associated with the microstructural changes in an AZ91 magnesium alloy. Metallic Materials, 2016, 53, 259-265.	0.2	0
157	Deformation behaviour of ultrafine-grained magnesium with 3 vol.% graphite. International Journal of Materials Research, 2022, 97, 344-349.	0.1	0
158	Mechanical Properties and Strain Hardening Behaviour of Magnesium Alloys and Composites. Communications - Scientific Letters of the University of Zilina, 2010, 12, 12-19.	0.3	0
159	Deformation Mechanisms Operating during Plastic Flow of An Az63 Magnesium Alloy Studied by the Stress Relaxation Technique. Communications - Scientific Letters of the University of Zilina, 2010, 12, 5-11.	0.3	0