Peter MinÃ¡rik

List of Publications by Year in descending order

162 papers	2,532 citations	218677 26 h-index	265206 42 g-index
163 all docs	163 docs citations	163 times ranked	1908 citing authors

#	Article	IF	Citations
1	Effect of different c/a ratio on the microstructure and mechanical properties in magnesium alloys processed by ECAP. Acta Materialia, 2016, 107, 83-95.	7.9	124
2	Microstructure and mechanical properties of Ni1,5Co1,5CrFeTi0,5 high entropy alloy fabricated by mechanical alloying and spark plasma sintering. Materials and Design, 2017, 119, 141-150.	7.0	104
3	Effect of ECAP processing on corrosion resistance of AE21 and AE42 magnesium alloys. Applied Surface Science, 2013, 281, 44-48.	6.1	90
4	Monitoring of grinding burn via Barkhausen noise emission in case-hardened steel in large-bearing production. Journal of Materials Processing Technology, 2017, 240, 104-117.	6.3	78
5	Exceptional mechanical properties of ultra-fine grain Mg-4Y-3RE alloy processed by ECAP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 708, 193-198.	5.6	77
6	Investigating a twinningâ€“detwinning process in wrought Mg alloys by the acoustic emission technique. Acta Materialia, 2016, 110, 103-113.	7.9	71
7	Interstitial doping enhances the strength-ductility synergy in a CoCrNi medium entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 781, 139242.	5.6	64
8	Influence of equal channel angular pressing routes on texture, microstructure and mechanical properties of extruded AX41 magnesium alloy. Materials Characterization, 2017, 123, 282-293.	4.4	63
9	Microstructure evolution and mechanical behaviour of severely deformed pure titanium through multi directional forging. Journal of Alloys and Compounds, 2019, 776, 83-95.	5.5	62
10	Achievement of fine-grained bimodal microstructures and superior mechanical properties in a multi-axially forged GWZ magnesium alloy containing LPSO structures. Journal of Alloys and Compounds, 2019, 793, 134-145.	5.5	56
11	Enhancing the strength and ductility in accumulative back extruded WE43 magnesium alloy through achieving bimodal grain size distribution and texture weakening. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 698, 218-229.	5.6	54
12	High-strength Al0.2Co1.5CrFeNi1.5Ti high-entropy alloy produced by powder metallurgy and casting: A comparison of microstructures, mechanical and tribological properties. Materials Characterization, 2020, 159, 110046.	4.4	53
13	The microstructure, texture, and room temperature mechanical properties of friction stir processed Mg-Y-Nd alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 690, 244-253.	5.6	50
14	Influence of equal channel angular pressing temperature on texture, microstructure and mechanical properties of extruded AX41 magnesium. Journal of Alloys and Compounds, 2017, 705, 273-282.	5.5	48
15	Microstructure characterization of LAE442 magnesium alloy processed by extrusion and ECAP. Materials Characterization, 2016, 112, 1-10.	4.4	47
16	Study of microcracking in illite-based ceramics during firing. Journal of the European Ceramic Society, 2016, 36, 221-226.	5.7	47
17	Effect of equal channel angular pressing on in vitro degradation of LAE442 magnesium alloy. Materials Science and Engineering C, 2017, 73, 736-742.	7.3	44
18	Role of deformation mechanisms and grain growth in microstructure evolution during recrystallization of Mg-Nd based alloys. Scripta Materialia, 2019, 166, 53-57.	5.2	44

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19	Enhancement of the microstructure and elevated temperature mechanical properties of as-cast Mgâ€'Al2Caâ€'Mg2Ca in-situ composite by hot extrusion. Materials Characterization, 2019, 147, 155-164.	4.4	41
20	Non-destructive monitoring of corrosion extent in steel rope wires via Barkhausen noise emission. Journal of Magnetism and Magnetic Materials, 2019, 484, 179-187.	2.3	40
21	Investigating the Microstructure and Mechanical Properties of Aluminum-Matrix Reinforced-Graphene Nanosheet Composites Fabricated by Mechanical Milling and Equal-Channel Angular Pressing. Nanomaterials, 2019, 9, 1070.	4.1	33
22	AE42 magnesium alloy prepared by spark plasma sintering. Journal of Alloys and Compounds, 2018, 742, 172-179.	5.5	32
23	Evolution of mechanical properties of LAE442 magnesium alloy processed by extrusion and ECAP. Journal of Materials Research and Technology, 2015, 4, 75-78.	5.8	31
24	Mechanical and biocorrosive properties of magnesium-aluminum alloy scaffold for biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 98, 213-224.	3.1	30
25	The effect of Zr on dynamic recrystallization during ECAP processing of Mg-Y-RE alloys. Materials Characterization, 2021, 174, 111033.	4.4	29
26	Influence of Accumulative Roll Bonding on the Texture and Tensile Properties of an AZ31 Magnesium Alloy Sheets. Materials, 2018, 11, 73.	2.9	28
27	Barkhausen noise emission in tool steel X210Cr12 after semi-solid processing. Materials Characterization, 2019, 157, 109891.	4.4	26
28	Effect of secondary phase particles on thermal stability of ultra-fine grained Mg-4Y-3RE alloy prepared by equal channel angular pressing. Materials Characterization, 2018, 140, 207-216.	4.4	25
29	Hydrogen absorption in Mg-Gd alloy. International Journal of Hydrogen Energy, 2017, 42, 22598-22604.	7.1	24
30	Non-destructive evaluation of the railway wheel surface damage after long-term operation via Barkhausen noise technique. Wear, 2019, 420-421, 195-206.	3.1	24
31	Secondary phase precipitation and thermally stable microstructure refinement induced by ECAP on Mg-Y-Nd (WN43) alloy. Materials Letters, 2019, 237, 5-8.	2.6	24
32	Oxidation of amorphous HfNbTaTiZr high entropy alloy thin films prepared by DC magnetron sputtering. Journal of Alloys and Compounds, 2021, 869, 157978.	5.5	24
33	Influence of the initial state on the microstructure and mechanical properties of AX41 alloy processed by ECAP. Journal of Materials Science, 2019, 54, 3469-3484.	3.7	23
34	Microstructure of the novel biomedical Mgâ€"4Yâ€"3Nd alloy prepared by spark plasma sintering. Journal of Alloys and Compounds, 2020, 819, 153008.	5.5	23
35	Corrosion of pure magnesium and a WE43 magnesium alloy studied by advanced acoustic emission analysis. Corrosion Science, 2018, 145, 10-15.	6.6	22
36	Microstructural evolution and mechanical properties of thermomechanically processed AZ31 magnesium alloy reinforced by micro-graphite and nano-graphene particles. Journal of Alloys and Compounds, 2020, 815, 152231.	5.5	22

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37	Excellent superplastic properties achieved in Mgâ€“4Yâ€“3RE alloy in high strain rate regime. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 784, 139314.	5.6	22
38	Influence of high pressure torsion on microstructure evolution and mechanical properties of AZ80/SiC magnesium matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 826, 141916.	5.6	22
39	Interphase boundary layer-dominated strain mechanisms in Cu+ implanted Zr-Nb nanoscale multilayers. Acta Materialia, 2021, 202, 317-330.	7.9	21
40	U-Zr alloy: XPS and TEM study of surface passivation. Applied Surface Science, 2018, 441, 113-119.	6.1	20
41	Mechanical properties of ultrafine-grained AX41 magnesium alloy at room and elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 731, 438-445.	5.6	18
42	Influence of high-pressure torsion on microstructure, hardness and shear strength of AM60 magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 799, 140158.	5.6	18
43	The effect of powder size on the mechanical and corrosion properties and the ignition temperature of WE43 alloy prepared by spark plasma sintering. Journal of Magnesium and Alloys, 2021, 9, 1349-1362.	11.9	18
44	Effect of the severe plastic deformation by ECAP on microstructure and phase transformations in Ti-15Mo alloy. Materials Today Communications, 2020, 22, 100811.	1.9	17
45	Corrosion and mechanical properties of a novel biomedical WN43 magnesium alloy prepared by spark plasma sintering. Journal of Magnesium and Alloys, 2021, 9, 853-853.	11.9	17
46	Novel magnesium alloy containing Y, Gd and Ca with enhanced ignition temperature and mechanical properties for aviation applications. Journal of Alloys and Compounds, 2021, 877, 160089.	5.5	17
47	Microstructure development of ultra fine grained Mg-22 wt%Gd alloy prepared by high pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 704, 181-191.	5.6	16
48	Characterization of Deformation Mechanisms in Mg Alloys by Advanced Acoustic Emission Methods. Metals, 2018, 8, 644.	2.3	16
49	A new insight into LPSO transformation during multi-axial forging in Mg-Gd-Y-Zn-Zr alloy. Materials Letters, 2020, 269, 127625.	2.6	16
50	Unraveling the effect of deformation-induced phase transformation on microstructure and micro-texture evolution of a multi-axially forged Mg-Gd-Y-Zn-Zr alloy containing the LPSO phase. Journal of Materials Research and Technology, 2021, 15, 2088-2101.	5.8	16
51	Comprehensive Evaluation of the Properties of Ultrafine to Nanocrystalline Grade 2 Titanium Wires. Materials, 2018, 11, 2522.	2.9	15
52	Advanced analysis of the deformation mechanisms in extruded magnesium alloys containing neodymium or yttrium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 759, 455-464.	5.6	15
53	Non-Destructive Evaluation of Steel Surfaces after Severe Plastic Deformation via the Barkhausen Noise Technique. Metals, 2018, 8, 1029.	2.3	14
54	The grain boundary character distribution in thermomechanically processed rare earth bearing magnesium alloy. Journal of Alloys and Compounds, 2019, 798, 158-166.	5.5	14

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55	Tribological Characterization of Commercial Pure Titanium Processed by Multi-Directional Forging. Acta Metallurgica Sinica (English Letters), 2019, 32, 857-868.	2.9	14
56	Texture Hardening Observed in Mgâ€“Znâ€“Nd Alloy Processed by Equal-Channel Angular Pressing (ECAP). Metals, 2020, 10, 35.	2.3	14
57	Influence of texture on the thermal expansion coefficient of Mg/BN nanocomposite. Thermochimica Acta, 2016, 644, 69-75.	2.7	13
58	Novel aircraft Mg-Y-Gd-Ca alloys with high ignition temperature and suppressed flammability. Materials Letters, 2020, 264, 127313.	2.6	13
59	Monitoring of components made of duplex steel after turning as a function of flank wear by the use of Barkhausen noise emission. Materials Characterization, 2020, 169, 110587.	4.4	13
60	Assessment of patient counselling on the common cold treatment at Slovak community pharmacies using mystery shopping. Saudi Pharmaceutical Journal, 2019, 27, 574-583.	2.7	12
61	Substantially Higher Corrosion Resistance in AE42 Magnesium Alloy through Corrosion Layer Stabilization by ECAP Treatment. Acta Physica Polonica A, 2012, 122, 614-617.	0.5	12
62	Effect of Microstructure on the Corrosion Resistance of the AE42 Magnesium Alloy Processed by Rotary Swaging. Acta Physica Polonica A, 2015, 128, 805-808.	0.5	12
63	Thermal Conductivity of an AZ31 Sheet after Accumulative Roll Bonding. Crystals, 2018, 8, 278.	2.2	11
64	Influence of temperature of ECAP processing on the microstructure and microhardness of as-cast AX41 alloy. Journal of Materials Science, 2020, 55, 3118-3129.	3.7	11
65	Microhardness study of Cd1-x ZnxTe1-ySey crystals for X-ray and gamma ray detectors. Materials Today Communications, 2020, 24, 101014.	1.9	11
66	Deformation behavior of Mg-alloy-based composites at different temperatures studied by neutron diffraction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 685, 284-293.	5.6	10
67	Strengthening of Fe3Al Aluminides by One or Two Solute Elements. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4135-4139.	2.2	10
68	Structure and mechanical properties of FeAlCrV and FeAlCrMo medium-entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 727, 184-191.	5.6	10
69	Increased structural stability in twin-roll cast AZ31 magnesium alloy processed by equal channel angular pressing. Materials Characterization, 2019, 153, 199-207.	4.4	10
70	Acoustic emission analysis of the compressive deformation of iron foams and their biocompatibility study. Materials Science and Engineering C, 2019, 97, 367-376.	7.3	10
71	Effect of Rotary Swaging on Microstructure and Mechanical Properties of an AZ31 Magnesium Alloy. Advanced Engineering Materials, 2020, 22, 1900596.	3.5	10
72	Decomposition of cutting forces with respect to chip segmentation and white layer thickness when hard turning 100Cr6. Journal of Manufacturing Processes, 2020, 50, 475-484.	5.9	10

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73	Strain Hardening in an AZ31 Alloy Submitted to Rotary Swaging. Materials, 2021, 14, 157.	2.9	10
74	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.	5.6	9
75	Elasticity and internal friction of magnesium alloys at room and elevated temperatures. Journal of Materials Science, 2018, 53, 8545-8553.	3.7	9
76	Texture evolution and wear properties of a frictionally stir processed magnesium matrix composite reinforced by micro graphite and nano graphene particles. Materials Research Express, 2019, 6, 1065c6.	1.6	9
77	Continuous measurement of m-parameter for analyzing plastic instability in a superplastic ultra-fine grained magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 110-114.	5.6	8
78	The Influence of Milling and Spark Plasma Sintering on the Microstructure and Properties of the Al7075 Alloy. Materials, 2018, 11, 547.	2.9	8
79	Characterization of the High-Strength Mgâ€“3Ndâ€“0.5Zn Alloy Prepared by Thermomechanical Processing. Acta Metallurgica Sinica (English Letters), 2019, 32, 321-331.	2.9	8
80	XPS, UPS, and BIS study of pure and alloyed Î²-UH3 films: Electronic structure, bonding, and magnetism. Journal of Electron Spectroscopy and Related Phenomena, 2020, 239, 146904.	1.7	8
81	Low Temperature Plasticity of Ultrafineâ€Grained AE42 and AZ31 Magnesium Alloys. Advanced Engineering Materials, 2013, 15, 352-357.	3.5	7
82	Î³-U phase in U-Pt system retained to low temperatures by means of rapid cooling. Journal of Nuclear Materials, 2016, 479, 287-294.	2.7	7
83	Nanocrystalline aluminium particles inside Mg-4Li-4Al-2RE magnesium alloy after severe plastic deformation. Materials Characterization, 2017, 127, 248-252.	4.4	7
84	Influence of mechanical treatment on thermophysical processes in illitic clay during firing. Applied Clay Science, 2017, 141, 240-247.	5.2	7
85	Amplitude-dependent internal friction in AZ31 alloy sheets submitted to accumulative roll bonding. Low Temperature Physics, 2018, 44, 966-972.	0.6	7
86	The Effect of Different Thermal Treatment on the Allotropic fccâ†”hcp Transformation and Compression Behavior of Polycrystalline Cobalt. Materials, 2020, 13, 5775.	2.9	7
87	Magnesium Reinforced with Inconel 718 Particles Prepared Ex Situâ€”Microstructure and Properties. Materials, 2020, 13, 798.	2.9	7
88	Preparation of Fe-Al-Si Intermetallic Compound by Mechanical Alloying and Spark Plasma Sintering. Acta Physica Polonica A, 2018, 134, 724-728.	0.5	7
89	In situ investigation of deformation mechanisms in magnesium-based metal matrix composites. Metals and Materials International, 2015, 21, 652-658.	3.4	6
90	The in-situ mechanical spectroscopy and electric resistance study of WE43 magnesium alloy during aging. Journal of Alloys and Compounds, 2018, 743, 646-653.	5.5	6

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91	Influence of heat treatment on corrosion resistance of Mg-Al-Zn alloy processed by severe plastic deformation. Open Engineering, 2018, 8, 391-394.	1.6	6
92	Superconductivity in U-Nb alloys with Î³-U phase and ferromagnetism of their hydrides. Physica B: Condensed Matter, 2018, 545, 152-158.	2.7	6
93	Strain relaxation in InGaN/GaN epilayers by formation of V-pit defects studied by SEM, XRD and numerical simulations. Journal of Applied Crystallography, 2021, 54, 62-71.	4.5	6
94	Development of grain size/ texture graded microstructures through friction stir processing and subsequent cold compression of a rare earth bearing magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 814, 141190.	5.6	6
95	Anisotropy of Thermal Expansion in an AZ31 Magnesium Alloy Subjected to the Accumulative Roll Bonding. Acta Physica Polonica A, 2018, 134, 820-823.	0.5	6
96	Intermetallic Phases Identification and Diffusion Simulation in Twin-Roll Cast Al-Fe Clad Sheet. Materials, 2021, 14, 7771.	2.9	6
97	The correlation of c-to-a axial ratio and slip activity of martensite including microstructures during thermomechanical processing of Tiâ€“6Alâ€“4V alloy. Journal of Materials Research and Technology, 2022, 18, 577-583.	5.8	6
98	Temperature dependence of tensile deformation behavior and strain hardening of lean duplex stainless steels. Journal of Materials Research and Technology, 2022, 20, 330-342.	5.8	6
99	Assessing the frost resistance of illite-based ceramics through the resonant frequency of free vibration and internal damping. AIP Conference Proceedings, 2017, , .	0.4	5
100	Nanocrystalline Al7075 + 1 wt % Zr Alloy Prepared Using Mechanical Milling and Spark Plasma Sintering. Materials, 2017, 10, 1105.	2.9	5
101	Application of SPS consolidation and its influence on the properties of the FeAl20Si20 alloys prepared by mechanical alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 761, 138020.	5.6	5
102	Peculiar serrated flow during compression of an FeAlCrMo medium-entropy alloy. Scripta Materialia, 2019, 161, 49-53.	5.2	5
103	Effect of Short Attritor-Milling of Magnesium Alloy Powder Prior to Spark Plasma Sintering. Materials, 2020, 13, 3973.	2.9	5
104	The origin and the effect of the fcc phase in sintered HfNbTaTiZr. Materials Letters, 2021, 286, 129224.	2.6	5
105	Investigation of Magnetic Anisotropy and Barkhausen Noise Asymmetry Resulting from Uniaxial Plastic Deformation of Steel S235. Applied Sciences (Switzerland), 2021, 11, 3600.	2.5	5
106	Barkhausen noise emission in Fe-resin soft magnetic composites. Journal of Magnetism and Magnetic Materials, 2021, 525, 167683.	2.3	5
107	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:m states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">U</mml:mi><mml:msub><mml:mi>Ga</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:ma probed by x-ray spectroscopies. Physical Review B, 2021, 104, .	3.2	5
108	Monitoring of Corrosion Extent in Steel S460MC by the Use of Magnetic Barkhausen Noise Emission. Journal of Nondestructive Evaluation, 2021, 40, 1.	2.4	5

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109	Evolution of Corrosion Resistance in the LAE442 Magnesium Alloy Processed by ECAP. Acta Physica Polonica A, 2015, 128, 772-775.	0.5	5
110	Effect of Accumulative Roll Bonding of an AZ31 Alloy on the Microstructure and Tensile Stress. Acta Physica Polonica A, 2018, 134, 863-866.	0.5	5
111	Anisotropy of mechanical and thermal properties of AZ31 sheets prepared using the ARB technique. IOP Conference Series: Materials Science and Engineering, 2017, 219, 012023.	0.6	4
112	Microhardness study of CdZnTeSe crystals for X-ray and gamma ray radiation detectors. , 2019, , .		4
113	Effect of Equal Channel Angular Extrusion on the Thermal Conductivity of an AX52 Magnesium Alloy. Crystals, 2020, 10, 497.	2.2	4
114	Hydrogen in U-T alloys: Crystal structure and magnetism of UH3-V. Journal of Alloys and Compounds, 2021, 856, 157406.	5.5	4
115	Microstructure Evolution and Mechanical Properties of cp-Ti Processed by a Novel Technique of Rotational Constrained Bending. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1665-1678.	2.2	4
116	Interrelation of Microstructure and Corrosion Resistance in Biodegradable Magnesium Alloys with Aluminum, Lithium and Rare Earth Additions. Acta Physica Polonica A, 2015, 128, 491-497.	0.5	4
117	Influence of strain rate on deformation behaviour of an AX52 alloy processed by equal channel angular pressing (ECAP). Letters on Materials, 2018, 8, 517-523.	0.7	4
118	Structural stability of ultra-fine grained magnesium alloys processed by equal channel angular pressing. IOP Conference Series: Materials Science and Engineering, 2017, 194, 012052.	0.6	3
119	Structural stability of ultra-fine grained magnesium alloys processed by equal channel angular pressing. IOP Conference Series: Materials Science and Engineering, 2017, 194, 012022.	0.6	3
120	Laves phase UTi2 stabilized by hydrogen and its magnetic properties. Physica B: Condensed Matter, 2018, 536, 539-542.	2.7	3
121	Fe3Al Iron Aluminides Alloyed with High Concentrations of V and Cr: Their Structure and High Temperature Strength. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 6046-6051.	2.2	3
122	Spin fluctuations in hydrogen-stabilized Laves phase UTi₂H₅. Philosophical Magazine, 2019, 99, 1881-1898.	1.6	3
123	Effect of flake-like powder morphology on the microstructure and texture in Mg-Al-RE alloy. Materials Letters, 2020, 262, 127031.	2.6	3
124	Enhanced magnetocaloric effect in distilled terbium and emergence of novel properties after severe plastic deformation. Scripta Materialia, 2020, 187, 340-344.	5.2	3
125	Barkhausen Noise Emission in AISI 321 Austenitic Steel Originating from the Strain-Induced Martensite Transformation. Metals, 2021, 11, 429.	2.3	3
126	Synergic effect of high temperature and high pressure on consolidation of Mg-4Y-3Nd powder by spark plasma sintering. Materials Letters, 2021, 292, 129647.	2.6	3

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127	Analysis of Surface State after Turning of High Tempered Bearing Steel. Materials, 2022, 15, 1718.	2.9	3
128	EBSD Study of Uranium Alloys. MRS Advances, 2016, 1, 3013-3018.	0.9	2
129	Inhomogeneous Precipitation of the Î±-Phase in Ti15Mo Alloy Deformed by ECAP. Materials Science Forum, 2018, 941, 1183-1188.	0.3	2
130	Mechanical properties of illiteâ€based ceramics with controlled porosity studied by modern in situ techniques. Journal of the American Ceramic Society, 2020, 103, 2780-2790.	3.8	2
131	Microstructure and Mechanical Strength of Attritor-Milled and Spark Plasma Sintered Mg-4Y-3Nd Alloy. Crystals, 2020, 10, 574.	2.2	2
132	Anomalous Superconductivity of the U-Ti Alloys. , 2020, , .		2
133	Mechanical-acoustic study of electroporcelain mixture made under different compression pressures. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1759-1766.	3.6	2
134	Grain Refinement after Various Thermo-Mechanical Treatments in AZ80 and ZK60 Magnesium Alloys. Acta Physica Polonica A, 2012, 122, 622-624.	0.5	2
135	Effect of heat pre-treatment and extrusion on the structure and mechanical properties of WZ21 magnesium alloy. Materiali in Tehnologije, 2018, 52, 499-505.	0.5	2
136	The effect of Y, Gd and Ca on the ignition temperature of extruded magnesium alloys. Materiali in Tehnologije, 2020, 54, 669-675.	0.5	2
137	Superplastic deformation of fine-grained AE42 and LAE442 magnesium alloys. Letters on Materials, 2018, 8, 538-542.	0.7	2
138	Microstructure Evolution in Cuâ€“0.5 wt% Zr Alloy Processed by a Novel Severe Plastic Deformation Technique of Rotational Constrained Bending. Metals, 2021, 11, 63.	2.3	2
139	Magnetic Measurement of Zn Layer Heterogeneity on the Flange of the Steel Road Barrier. Materials, 2022, 15, 1898.	2.9	2
140	Mechanical Properties and Microstructure Development in Ultrafineâ€grained Materials Processed by Equalâ€channel Angular Pressing. , 0, , .		1
141	Superconductivity in Uâ€“Pt system with low Pt concentrations (â‰15 at.%). Physica C: Superconductivity and Its Applications, 2018, 546, 76-83.	1.2	1
142	Microstructure evolution in a CuZr alloy and CP Ti processed by a novel technique of free bending in rotating rollers. IOP Conference Series: Materials Science and Engineering, 2019, 672, 012006.	0.6	1
143	Analysis of the twin variant selection in polycrystalline cobalt. Journal of Materials Science, 2021, 56, 7740-7752.	3.7	1
144	Deformation Behavior of Mg-alloy-based Composites at Different Temperatures Studied by Neutron Diffraction. Acta Physica Polonica A, 2018, 134, 881-886.	0.5	1

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145	Influence of Tailored Microstructure on the Corrosion Layer Stability in LAE442 Magnesium Alloy. Acta Physica Polonica A, 2018, 134, 887-890.	0.5	1
146	High Plasticity of an Iron Aluminide-based Material at Low Temperatures. Physical Science International Journal, 2018, 18, 1-11.	0.3	1
147	Effect of ALUMINUM CONTENT and precipitation on the corrosion behavior and acoustic emission RESPONSE OF AZ31 AND AZ80 MAGNESIUM ALLOYS. , 2019, , .		1
148	Influence of spark plasma sintering on microstructure and corrosion behaviour of WN43 Magnesium alloy for biomaterials. , 2019, , .		1
149	Spark plasma sintered Mg-4Y-3Nd with exceptional tensile performance. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 849, 143481.	5.6	1
150	Microstructural study of duplex stainless steel after turning using EBSD and X-ray diffraction analysis. IOP Conference Series: Materials Science and Engineering, 2021, 1121, 012033.	0.6	0
151	Analysis of deformation mechanisms in a textured AZ31 magnesium alloy. IOP Conference Series: Materials Science and Engineering, 2021, 1178, 012011.	0.6	0
152	Neutron diffraction study of the deformation behavior of Mg-alloy-based composites. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s302-s302.	0.1	0
153	Investigation of Mechanical Properties and Microstructure of Non-Commercial Magnesium Alloy Prepared by Extrusion and ECAP. Acta Physica Polonica A, 2018, 134, 905-908.	0.5	0
154	HIGH STRAIN RATE Superplasticity of WE43 magnesium alloy. , 2019, , .		0
155	Investigation of deformation mechanisms in textured magnesium alloy. , 2019, , .		0
156	Mechanical properties of WN43 magnesium alloy prepared by spark plasma sintering. , 2019, , .		0
157	MECHANICAL PROPERTIES AND MICROSTRUCTURE OF ULTRAFINE-GRAINED MAGNESIUM ALLOYS CONTAINING NEODYMIUM AND ZINC. , 2019, , .		0
158	mechanical milling of gas-atomized powder prepared from AE42 magnesium alloy. , 2019, , .		0
159	Monitoring of Rail Surface Damage via Magnetic Measurements. Acta Physica Polonica A, 2020, 137, 644-646.	0.5	0
160	Material properties mapping using complementary methods in titanium alloys TiMoSi used in medical application. , 2020, , .		0
161	Intermetallic Phase Growth in Al-steel Clad Strip during In-situ Heating in TEM. Microscopy and Microanalysis, 2021, 27, 91-92.	0.4	0
162	Laser Improved NiTi Surface for Biomedical Applications. , 2022, , .		0