

Daria Drozdenko

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Formation of π -rotation-type kink boundary in Mg-Zn-Y alloy with long-period stacking ordered structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 819, 141466.	2.6	12
2	The temperature effect on the plastic deformation of the Mg ₈₈ Zn ₇ Y ₅ alloy with LPSO phase studied by in-situ synchrotron radiation diffraction. <i>Intermetallics</i> , 2021, 138, 107321.	1.8	10
3	Influence of Volume Fraction of Long-Period Stacking Ordered Structure Phase on the Deformation Processes during Cyclic Deformation of Mg-Y-Zn Alloys. <i>Crystals</i> , 2021, 11, 11.	1.0	9
4	Revealing the Microstructural Aspects of the Corrosion Dynamics in Rapidly Solidified Mg-Zn-Y Alloys Using the Acoustic Emission Technique. <i>Materials</i> , 2021, 14, 7828.	1.3	3
5	Twinning–Detwinning in Pre-Compressed and Thermally Treated ZX10 and ZN10 Alloys. <i>Materials</i> , 2020, 13, 5605.	1.3	1
6	Optimization of mechanical properties of dilute Mg-Zn-Y alloys prepared by rapid solidification. <i>Materials and Design</i> , 2019, 181, 107984.	3.3	28
7	Influence of the solute concentration on the anelasticity in Mg-Al alloys: A multiple-approach study. <i>Journal of Alloys and Compounds</i> , 2019, 786, 779-790.	2.8	25
8	Effect of Thermomechanical Treatment on Subsequent Deformation Behavior in a Binary Z1 Magnesium Alloy Studied by the Acoustic Emission Technique. <i>Advanced Engineering Materials</i> , 2019, 21, 1800915.	1.6	2
9	U-Zr alloy: XPS and TEM study of surface passivation. <i>Applied Surface Science</i> , 2018, 441, 113-119.	3.1	20
10	Acoustic Emission Study of High Temperature Deformation of Mg-Zn-Y Alloys with LPSO Phase. <i>Minerals, Metals and Materials Series</i> , 2018, , 203-208.	0.3	0
11	Thermo-Mechanical Treatment of Extruded Mg-1Zn Alloy: Cluster Analysis of AE Signals. <i>Minerals, Metals and Materials Series</i> , 2018, , 217-221.	0.3	0
12	Mechanical Properties of Thermo-Mechanically Treated Extruded Mg-Zn-Based Alloys. <i>Minerals, Metals and Materials Series</i> , 2018, , 259-265.	0.3	0
13	Mobility of pinned twin boundaries during mechanical loading of extruded binary Mg-1Zn alloy. <i>Materials Characterization</i> , 2018, 139, 81-88.	1.9	18
14	Combination of in-situ diffraction experiments and acoustic emission testing to understand the compression behavior of Mg-Y-Zn alloys containing LPSO phase under different loading conditions. <i>International Journal of Plasticity</i> , 2018, 106, 107-128.	4.1	76
15	Characterization of Microstructure and Mechanical Properties of Mg-Y-Zn Alloys with Respect to Different Content of LPSO Phase. <i>Advanced Engineering Materials</i> , 2018, 20, 1700396.	1.6	15
16	Laves phase UTi ₂ stabilized by hydrogen and its magnetic properties. <i>Physica B: Condensed Matter</i> , 2018, 536, 539-542.	1.3	3
17	Crystal Structure and Magnetic Properties of Uranium Hydride UH ₂ Stabilized as a Thin Film. <i>Inorganic Chemistry</i> , 2018, 57, 14727-14732.	1.9	15
18	Superconductivity in U-Pt system with low Pt concentrations (~15 at.%). <i>Physica C: Superconductivity and Its Applications</i> , 2018, 546, 76-83.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Processing Effects on the Formability of Magnesium Alloy Sheets. <i>Metals</i> , 2018, 8, 147.	1.0	23
20	Superconductivity in U-Nb alloys with $\hat{\Gamma}^3$ -U phase and ferromagnetism of their hydrides. <i>Physica B: Condensed Matter</i> , 2018, 545, 152-158.	1.3	6
21	Compressive yield stress improvement using thermomechanical treatment of extruded Mg-Zn-Ca alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 730, 401-409.	2.6	11
22	Profile Shape Effect on the Texture and Mechanical Properties of Extruded Rare Earth Containing Magnesium Alloys. <i>Acta Physica Polonica A</i> , 2018, 134, 714-719.	0.2	4
23	Characterization of Active Deformation Mechanisms in Mg Alloys with LPSO Phase. <i>Acta Physica Polonica A</i> , 2018, 134, 815-819.	0.2	3
24	Twinning Evolution in Magnesium Alloys under Biaxial Loading. <i>Acta Physica Polonica A</i> , 2018, 134, 853-856.	0.2	1
25	Effect of Thermo-mechanical Treatment of Extruded Z1 Mg Alloy on Resulting Mechanical Properties. <i>Minerals, Metals and Materials Series</i> , 2017, , 619-624.	0.3	1
26	In Situ Investigation of Deformation Mechanisms in Mg $\hat{\Gamma}^3$ -Zn $\hat{\Gamma}^3$ -Y Magnesium Alloy with LPSO Phase by Diffraction Methods and Acoustic Emission. <i>Minerals, Metals and Materials Series</i> , 2017, , 625-629.	0.3	0
27	Electrical resistivity of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mn} \rangle 5 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle f \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -electron systems affected by static and dynamic spin disorder. <i>Physical Review B</i> , 2017, 95, .	1.1	13
28	Effect of Extrusion Ratio on Microstructure and Resulting Mechanical Properties of Mg Alloys with LPSO Phase. <i>Minerals, Metals and Materials Series</i> , 2017, , 29-34.	0.3	5
29	An Acoustic Emission Study of Deformation Behavior of Wrought Mg Alloys. <i>Minerals, Metals and Materials Series</i> , 2017, , 613-617.	0.3	0
30	$\hat{\Gamma}^3$ -U phase in U-Pt system retained to low temperatures by means of rapid cooling. <i>Journal of Nuclear Materials</i> , 2016, 479, 287-294.	1.3	7
31	EBSD Study of Uranium Alloys. <i>MRS Advances</i> , 2016, 1, 3013-3018.	0.5	2
32	Structure, Electrical Resistivity and Superconductivity of Low-alloyed $\hat{\Gamma}^3$ -U Phase Retained to Low Temperatures by Means of Rapid Cooling. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 388-398.	1.5	18
33	Investigating a twinning $\hat{\Gamma}^3$ -detwinning process in wrought Mg alloys by the acoustic emission technique. <i>Acta Materialia</i> , 2016, 110, 103-113.	3.8	71
34	Variations of magnetic properties of UH3 with modified structure and composition. <i>Journal of Science: Advanced Materials and Devices</i> , 2016, 1, 185-192.	1.5	3
35	Characterization of the Acoustic Emission Response and Mechanical Properties of Mg Alloy with LPSO Phase. <i>Materials Science Forum</i> , 2016, 879, 762-766.	0.3	4
36	Strong 5f Ferromagnetism in UH3-Based Materials. <i>MRS Advances</i> , 2016, 1, 2987-2992.	0.5	9

#	ARTICLE	IF	CITATIONS
37	Deformation behavior and acoustic emission response on uniaxial compression of extruded rectangular profile of Mg Zn Zr alloy. Journal of Alloys and Compounds, 2016, 680, 623-632.	2.8	13
38	Acoustic emission study on the activity of slip and twin mechanisms during compression testing of magnesium single crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 650, 20-27.	2.6	28
39	Modeling of the work hardening in magnesium alloy sheets. International Journal of Plasticity, 2016, 76, 166-185.	4.1	38
40	UH3-based ferromagnets: New look at an old material. Journal of Magnetism and Magnetic Materials, 2016, 400, 130-136.	1.0	18
41	Electronic properties of $\text{Mg}_{1-x}\text{Zr}_x$ alloys. Physical Review B, 2015, 91, .	2.8	18
42	Structure and properties of hydrides of U^{235} -U alloys. Journal of Alloys and Compounds, 2015, 645, S190-S192.	2.8	8
43	Influence of Pre-Compression on Tensile Behaviour in Wrought Mg-Zn-Ce Alloy Studied by the Acoustic Emission Technique. Acta Physica Polonica A, 2015, 128, 790-795.	0.2	2
44	The Influence of Rolling Conditions on Deformation Behavior of Magnesium Alloy Sheets. Acta Physica Polonica A, 2015, 128, 795-801.	0.2	3