

Ruslan Barkov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7871813/publications.pdf>

Version: 2024-02-01

33
papers

696
citations

471509

17
h-index

552781

26
g-index

33
all docs

33
docs citations

33
times ranked

153
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Zr on the microstructure, recrystallization behavior, mechanical properties and electrical conductivity of the novel Al-Er-Y alloy. <i>Journal of Alloys and Compounds</i> , 2018, 765, 1-6.	5.5	58
2	Microstructure, mechanical properties and superplasticity of the Al-Cu-Y-Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 758, 28-35.	5.6	50
3	Microstructure and materials characterisation of the novel Al-Cu-Y alloy. <i>Materials Science and Technology</i> , 2018, 34, 1489-1496.	1.6	47
4	Microstructure and material characterization of 6063/B4C and 1545K/B4C composites produced by two stir casting techniques for nuclear applications. <i>Journal of Alloys and Compounds</i> , 2016, 664, 317-320.	5.5	40
5	Microstructure and mechanical properties of novel Al-Mg-Mn-Zr-Sc-Er alloy. <i>Materials Letters</i> , 2017, 202, 116-119.	2.6	39
6	Effect of Zr on microstructure and mechanical properties of the Al-Cu-Er alloy. <i>Materials Science and Technology</i> , 2020, 36, 453-459.	1.6	38
7	Microstructure and mechanical properties of novel Al-Y-Sc alloys with high thermal stability and electrical conductivity. <i>Journal of Materials Science and Technology</i> , 2020, 36, 1-6.	10.7	35
8	Effects of thermomechanical treatment on the microstructure, precipitation strengthening, internal friction, and thermal stability of Al-Er-Yb-Sc alloys with good electrical conductivity. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157367.	5.5	35
9	Evolution of Microstructure and Mechanical Properties of a New Al-Cu-Er Wrought Alloy. <i>Physics of Metals and Metallography</i> , 2019, 120, 614-619.	1.0	34
10	Effect of Y on microstructure and mechanical properties of Al-Mg-Mn-Zr-Sc alloy with low Sc content. <i>Materials Letters</i> , 2018, 217, 135-138.	2.6	29
11	The Phase Composition and Mechanical Properties of the Novel Precipitation-Strengthening Al-Cu-Er-Mn-Zr Alloy. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5345.	2.5	28
12	Comparative Analysis of Structure and Properties of Quasibinary Al-6.5Cu-2.3Y and Al-6Cu-4.05Er Alloys. <i>Physics of Metals and Metallography</i> , 2020, 121, 476-482.	1.0	28
13	Structure and Properties of New Heat-Resistant Cast Alloys Based on the Al-Cu-Y and Al-Cu-Er Systems. <i>Physics of Metals and Metallography</i> , 2021, 122, 908-914.	1.0	23
14	Structure and Properties of New Wrought Al-Cu-Y- and Al-Cu-Er-Based Alloys. <i>Physics of Metals and Metallography</i> , 2021, 122, 915-922.	1.0	20
15	Effect of Mn on the Phase Composition and Properties of Al-Cu-Y-Zr Alloy. <i>Physics of Metals and Metallography</i> , 2020, 121, 1227-1232.	1.0	20
16	Effect of Impurities on the Phase Composition and Properties of a New Alloy of the Al-Y-Er-Zr-Sc System. <i>Metallurgist</i> , 2019, 63, 79-86.	0.6	18
17	Effect of Homogenization Treatment Regime on Microstructure, Recrystallization Behavior, Mechanical Properties, and Superplasticity of Al-Cu-Er-Zr Alloy. <i>Jom</i> , 2021, 73, 3092-3101.	1.9	18
18	Effect of Yb on the Structure and Properties of an Electroconductive Al-Y-Sc Alloy. <i>Physics of Metals and Metallography</i> , 2020, 121, 604-609.	1.0	17

#	ARTICLE	IF	CITATIONS
19	Effect of Impurities on the Phase Composition and Properties of a Wrought Al-6% Cu-4.05% Er Alloy. <i>Physics of Metals and Metallography</i> , 2020, 121, 495-499.	1.0	14
20	Microstructure and Mechanical Properties of Novel Quasibinary Al-Cu-Yb and Al-Cu-Gd Alloys. <i>Metals</i> , 2021, 11, 476.	2.3	13
21	Effect of Iron and Silicon Impurities on Phase Composition and Mechanical Properties of Al-6.3Cu-3.2Y Alloy. <i>Physics of Metals and Metallography</i> , 2020, 121, 1002-1007.	1.0	12
22	Effect of Zr on Microstructure and Mechanical Properties of the Al-Cu-Yb and Al-Cu-Gd Alloys. <i>Metals</i> , 2022, 12, 479.	2.3	12
23	Effect of Zr and Er Small Additives on the Phase Composition and Mechanical Properties of Al-5Si-1.3Cu-0.5Mg Alloy. <i>Physics of Metals and Metallography</i> , 2021, 122, 161-168.	1.0	11
24	Flow Stress Modelling and 3D Processing Maps of Al4.5Zn4.5Mg1Cu0.12Zr Alloy with Different Scandium Contents. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4587.	2.5	11
25	Novel precipitation strengthened Al-Y-Sc-Er alloy with high mechanical properties, ductility and electrical conductivity produced by different thermomechanical treatments. <i>Journal of Alloys and Compounds</i> , 2022, 918, 165748.	5.5	10
26	Influence of Yb on the Phase Composition and Mechanical Properties of Low-Scandium Al-Mg-Mn-Zr-Sc and Al-Mg-Cr-Zr-Sc Alloys. <i>Physics of Metals and Metallography</i> , 2020, 121, 84-88.	1.0	9
27	Effect of the Zr and Er Content on the Structure and Properties of the Al-5Si-1.3Cu-0.5Mg Alloy. <i>Physics of Metals and Metallography</i> , 2021, 122, 614-620.	1.0	8
28	Structure and Properties of Al-4.5Mg-0.15Zr Compositions Alloyed with Er, Y, and Yb. <i>Physics of Metals and Metallography</i> , 2022, 123, 466-473.	1.0	6
29	Hot Deformation Behavior of Novel Al-Cu-Y(Er)-Mg-Mn-Zr Alloys. <i>Metals</i> , 2021, 11, 1521.	2.3	5
30	Effect of Mn Addition on the Phase Composition and Strengthening Behavior of AlCuYbZr and AlCuGdZr Alloys. <i>Jom</i> , 2022, 74, 3646-3654.	1.9	5
31	Phase composition and mechanical properties of Al-Si based alloys with Yb or Gd addition. <i>Materials Letters</i> , 2022, 320, 132320.	2.6	3
32	Microstructure and Mechanical Properties of an Al-Mg-Mn-Zr-Sc-B4C Deformable Composite Material. <i>Metal Science and Heat Treatment</i> , 2019, 61, 239-242.	0.6	0
33	Warm Deformation of Alloy Al-4.7% Mg-0.32% Mn-0.21% Sc-0.09% Zr. <i>Metal Science and Heat Treatment</i> , 2019, 61, 416-420.	0.6	0