Dariusz Kuc

List of Publications by Year
in descending order

34	245	933447 10	1058476 14
papers	citations	h-index	g-index

34	34	34	192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Corrosion behavior of fine-grained Mg-7.5Li-3Al-1Zn fabricated by extrusion with a forward-backward rotating die (KoBo). Journal of Magnesium and Alloys, 2022, 10, 811-820.	11.9	21
2	The Influence of the Deformation Method on the Microstructure and Properties of Magnesium Alloy Mg-Y-RE-Zr. Materials, 2022, 15, 2017.	2.9	3
3	The Effect of Extrusion Ratio on the Corrosion Resistance of Ultrafine-Grained Mg-4Li-3Al-Zn Alloy Deformed Using Extrusion with a Forward-Backward Oscillating Die. Journal of Materials Engineering and Performance, 2022, 31, 8932-8939.	2.5	5
4	Evolution of microstructure dependent corrosion properties of ultrafine AZ31 under conditions of extrusion with a forward backward oscillating die. Journal of Materials Research and Technology, 2022, 18, 4486-4496.	5.8	4
5	Effect of Magnesium Powder Application on the Microstructure and Properties of Rods Extruded by the Forward-Backward Rotating Die Extrusion Method. Materials, 2022, 15, 4094.	2.9	3
6	A comparison of the microstructure-dependent corrosion of dual-structured Mg-Li alloys fabricated by powder consolidation methods: Laser powder bed fusion vs pulse plasma sintering. Journal of Magnesium and Alloys, 2022, 10, 3553-3564.	11.9	10
7	Microstructure and corrosion resistance of a duplex structured Mgâ€“7.5Liâ€“3Alâ€“1Zn. Journal of Magnesium and Alloys, 2021, 9, 467-477.	11.9	34
8	Superplastic Deformation of Alâ€“Cu Alloys after Grain Refinement by Extrusion Combined with Reversible Torsion. Materials, 2020, 13, 5803.	2.9	5
9	The Influence of Microstructure on Corrosion Resistance of Mg-3Al-1Zn-15Li (LAZ1531) Alloy. Journal of Materials Engineering and Performance, 2020, 29, 2679-2686.	2.5	10
10	Effect of Magnesium Matrix Grain Refinement Induced by Plastic Deformation in a Composite with Short Carbon Fibers. Metals, 2019, 9, 724.	2.3	6
11	Impact of the Morphology of Micro- and Nanosized Powder Mixtures on the Microstructure of Mg-Mg2Si-CNT Composite Sinters. Materials, 2019, 12, 3242.	2.9	10
12	Effect of Various SPD Techniques on Structure and Superplastic Deformation of Two Phase MgLiAl Alloy. Metals and Materials International, 2018, 24, 1077-1089.	3.4	13
13	Refinement effect of RE in light weight Mgâ€“Liâ€“Al alloys. Journal of Thermal Analysis and Calorimetry, 2018, 134, 333-341.	3.6	19
14	SUPERPLASTIC DEFORMATION OF TWO PHASE MgLiAl ALLOYï€ AFTER TCAP PRESSING. Acta Metallurgica Slovaca, 2017, 23, 215-221.	0.7	5
15	The Microstructure and Mechanical Properties of Cylindrical Elements from Steel 38Mn6 after Continuous Induction Heating. Archives of Metallurgy and Materials, 2016, 61, 1969-1974.	0.6	1
16	Microstructure and Mechanical Properties of High Manganese TWIP Steel after Thermo-Forming Processes. Solid State Phenomena, 2015, 226, 99-102.	0.3	0
17	Influence of the Thermo-Mechanical Treatment on the Properties and Microstructure of High Manganese Austenitic-Ferritic Steel. Solid State Phenomena, 2015, 226, 75-78.	0.3	1
18	Activation Energy in Hot Forming and Recrystallization Models for Magnesium Alloy AZ31. Journal of Materials Engineering and Performance, 2013, 22, 890-897.	2.5	15

#	Article	IF	Citations
19	The Studies of Texture in Cold Rolled and Annealed Sheets of Mn-Al Steel. Solid State Phenomena, 2013, 203-204, 38-41.	0.3	0
20	Influence of Deformation Parameters on the Structure in Selected Intermetallic from Al-Fe Diagram. Solid State Phenomena, 2013, 212, 63-66.	0.3	3
21	Plasticity and Microstructure of Magnesium - Lithium Alloys. Solid State Phenomena, 2013, 212, 11-14.	0.3	3
22	Plasticity and Microstructure of Hot Deformed Magnesium Alloy AZ61. Solid State Phenomena, 2012, 191, 101-108.	0.3	5
23	Structural and mechanical properties of laboratory rolled steels high-alloyed with manganese and aluminium. Archives of Civil and Mechanical Engineering, 2012, 12, 312-317.	3.8	17
24	Complex Flow Stress Model for a Magnesium Alloy AZ31 at Hot Forming. High Temperature Materials and Processes, 2011, 30, .	1.4	5
25	Modelling of Microstructure Changes in Hot Deformed Materials Using Cellular Automata. , 2011, , .		1
26	The Influence of Deformation Conditions on Structure of Fe-Al Intermetallic Phase â€' Based Alloys. Materials Science Forum, 2010, 638-642, 1362-1367.	0.3	0
27	Multiscale CAFE Modelling of Dynamic Recrystallization. Materials Science Forum, 2010, 638-642, 2567-2572.	0.3	3
28	Structure and plasticity in hot deformed FeAl intermetallic phase base alloy. Materials Characterization, 2009, 60, 1185-1189.	4.4	10
29	The impact of compression with oscillatory torsion on the structure change in copper. Archives of Civil and Mechanical Engineering, 2007, 7, 39-46.	3.8	2
30	Influence of deformation parameters and initial grain size on the microstructure of austenitic steels after hot-working processes. Materials Characterization, 2006, 56, 318-324.	4.4	12
31	Analysis of the precipitation process of the intermetallic phases in a high-temperature Feâ€“Ni austenitic alloy. Materials Chemistry and Physics, 2003, 81, 490-492.	4.0	11
32	Subgrain and dislocation structure changes in hot-deformed high-temperature Feâ€“Ni austenitic alloy. Materials Chemistry and Physics, 2003, 81, 493-495.	4.0	5
33	Model of Microstructure Development in Hot Deformed Magnesium Alloy AZ31 Type. Solid State Phenomena, 0, 197, 232-237.	0.3	1
34	Forming Construction Elements for Aviation from Light Alloys with the Use of Cold Extrusion in Complex State of Strain. Solid State Phenomena, 0, 246, 240-243.	0.3	2