

Paweł, Ostachowski

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Visco-Plastic Flow of Metal in Dynamic Conditions of Complex Strain Scheme. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 2881-2897.	2.2	53
2	Anomalies in precipitation hardening process of 7075 aluminum alloy extruded by KOBO method. Journal of Materials Processing Technology, 2015, 216, 160-168.	6.3	22
3	New structural and mechanical features of hexagonal materials after room temperature extrusion using the KoBo method. International Journal of Materials Research, 2011, 102, 464-473.	0.3	21
4	Structure and properties of titanium produced by a new method of chip recycling. Journal of Materials Processing Technology, 2017, 248, 80-91.	6.3	21
5	Microstructure of titanium on complex deformation paths: Comparison of ECAP, KOBO and HE techniques. Materials Characterization, 2018, 141, 19-31.	4.4	21
6	Characterization and properties of PVD coatings applied to extrusion dies. Vacuum, 2012, 86, 2082-2088.	3.5	20
7	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
8	Effect of KOBO Extrusion and Following Cyclic Forging on Grain Refinement of Mg ⁹⁰ Li ² Al ^{0.5} Sc Alloy. Metals and Materials International, 2020, 26, 1004-1014.	3.4	13
9	Strength properties and structure of CuCrZr alloy subjected to low-temperature KOBO extrusion and heat treatment. International Journal of Advanced Manufacturing Technology, 2019, 105, 5023-5044.	3.0	11
10	Mechanical properties of aluminum extruded via the KOBO method with direct and lateral outflow. International Journal of Materials Research, 2013, 104, 974-979.	0.3	10
11	A new constitutive approach to large strain plastic deformation. International Journal of Materials Research, 2016, 107, 44-51.	0.3	10
12	Self-hardening of low-alloyed zinc for biodegradable application. Journal of Alloys and Compounds, 2019, 810, 151883.	5.5	10
13	Structural phenomena induced in the course of and post low-temperature KOBO extrusion of AA6013 aluminum alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 710, 349-358.	5.6	8
14	AA6013 aluminium alloy deformed by forward-backward rotating die (KoBo): Microstructure and mechanical properties control by changing the die oscillation frequency. Journal of Materials Processing Technology, 2018, 253, 34-42.	6.3	7
15	Plastic flow of metals under cyclic change of deformation path conditions. Archives of Civil and Mechanical Engineering, 2018, 18, 679-686.	3.8	6
16	The Pressure Compaction of Zr-Nb Powder Mixtures and Selected Properties of Sintered and KOBO-Extruded Zr-xNb Materials. Materials, 2021, 14, 3172.	2.9	6
17	Superplastic Flow of Metals Extruded by KoBo Method. Materials Science Forum, 2010, 667-669, 1039-1044.	0.3	5
18	Analysis of Microstructure and Mechanical Properties Changes in AA1050 Aluminum Subjected to ECAP and KoBo Processes / Analiza Zmian Mikrostruktury i Właściwości Mechanicznych Aluminium AA1050 Po Procesie ECAP i KoBo. Archives of Metallurgy and Materials, 2015, 60, 3063-3068.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Plastic Forming of AZ91 Alloy Using the KOBO Method. Journal of Engineering Materials and Technology, Transactions of the ASME, 2016, 138, .	1.4	5
20	Effect of heat treatment on the precipitation hardening in FeNiCoAlTaB shape memory alloys. International Journal of Materials Research, 2019, 110, 70-74.	0.3	4
21	Solid state processing of titanium chips by an unconventional plastic working. Journal of Materials Research and Technology, 2021, 13, 808-822.	5.8	4
22	The Influence of Conventional or KOBO Extrusion Process on the Properties of AZ91 (MgAl9Zn1) Alloy. Materials, 2021, 14, 6543.	2.9	4
23	Mechanical Characteristics and Structure of Highly Deformed Zinc. Journal of Materials Engineering and Performance, 2022, 31, 3638-3660.	2.5	4
24	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
25	Decomposition of Supersaturated Solid Solution during Non-isothermal Aging and Its Effect on the Physical Properties and Microstructure of the Ag-Cu7.5 Alloy. Journal of Materials Engineering and Performance, 2020, 29, 1488-1494.	2.5	1
26	Effect of Temperature and Strain Rate on the Mechanical Properties of 99.5 Aluminium Rods Extruded by KOBO. Materials Science Forum, 2016, 879, 230-235.	0.3	0