Witold Chrominski

List of Publications by Year
in descending order

31	497	759233 12	677142 22
papers	citations	h-index	g-index

31	31	31	534
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	Microstructural changes and formability of Alâ€“Mg ultrafine-grained aluminum plates processed by multi-turn ECAP and upsetting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 831, 142202.	5.6	8
3	Comparison of Microstructure, Texture, and Mechanical Properties of TZ61 and AZ61 Mg Alloys Processed by Differential Speed Rolling. Materials, 2022, 15, 785.	2.9	2
4	Effect of Fiber Orientation on Microstructure and Texture Evolution During the Coldâ€Rolling of Alâ€“Mgâ€“Si Alloy. Advanced Engineering Materials, 2022, 24, .	3.5	4
5	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
6	Precipitation strengthening of Al-Mg-Si alloy subjected to multiple accumulative roll bonding combined with a heat treatment. Materials and Design, 2022, 219, 110813.	7.0	7
7	Incremental Severe Plastic Deformation Effect on Mechanical and Microstructural Characteristics of AA6063. Transactions of the Indian Institute of Metals, 2021, 74, 69-77.	1.5	3
8	Microstructure, Texture and Mechanical Properties of Mg-6Sn Alloy Processed by Differential Speed Rolling. Materials, 2021, 14, 83.	2.9	7
9	A Comparison of Warm and Combined Warm and Lowâ€Temperature Processing Routes for the Equalâ€Channel Angular Pressing of Pure Titanium. Advanced Engineering Materials, 2020, 22, 1900698.	3.5	5
10	Influence of dislocation structures on precipitation phenomena in rolled Alâ€“Mgâ€“Si alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 793, 139903.	5.6	8
11	Enhancing the Electrical Conductivity of Electrolytic Tough Pitch Copper Rods Processed by Incremental Equal Channel Angular Pressing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 3749-3753.	2.2	6
12	Deuterium transport and retention in the bulk of tungsten containing helium: the effect of helium concentration and microstructure. Nuclear Fusion, 2020, 60, 106029.	3.5	14
13	Phenomena Occurring in Nanostructured Stainless Steel 316LVM during Annealing under High Hydrostatic Pressure. Advanced Engineering Materials, 2019, 21, 1800101.	3.5	2
14	Forming Ability of Ultrafineâ€Grained Aluminum Plates Processed by Incremental Equal Channel Angular Pressing. Advanced Engineering Materials, 2019, 21, 1900473.	3.5	3
15	Microstructural response to compression deformation of ultrafine-grained aluminum with various microstructures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 763, 138184.	5.6	6
16	The importance of microstructural heterogeneities in the work hardening of ultrafine-grained aluminum, studied by in-situ TEM straining and mechanical tests. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138200.	5.6	7
17	TEM investigation of the influence of dose rate on radiation damage and deuterium retention in tungsten. Materials Characterization, 2019, 154, 1-6.	4.4	12
18	Mechanisms of plastic deformation in ultrafine-grained aluminium â€“ In-situ and ex-post studies. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 715, 320-331.	5.6	13

#	Article	IF	Citations
19	Enhanced strength and electrical conductivity of ultrafine-grained Al-Mg-Si alloy processed by hydrostatic extrusion. Materials Characterization, 2018, 135, 104-114.	4.4	42
20	Mechanical properties and corrosion resistance of ultrafine grained austenitic stainless steel processed by hydrostatic extrusion. Materials and Design, 2017, 136, 34-44.	7.0	35
21	Accumulation and mechanism of the fatigue damage for a nickel based superalloy. Materials Today: Proceedings, 2017, 4, 5946-5950.	1.8	0
22	Ultrafine-Grained Plates of Al-Mg-Si Alloy Obtained by Incremental Equal Channel Angular Pressing: Microstructure and Mechanical Properties. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4871-4882.	2.2	18
23	Incremental ECAP as a Method to Produce Ultrafine Grained Aluminium Plates. Key Engineering Materials, 2016, 710, 59-64.	0.4	11
24	Strengthening mechanisms in ultrafine grained Al-Mg-Si alloy processed by hydrostatic extrusion â€“ Influence of ageing temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 669, 447-458.	5.6	20
25	Mechanical properties, structural and texture evolution of biocompatible Tiâ€“45Nb alloy processed by severe plastic deformation. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 62, 93-105.	3.1	66
26	Precipitation phenomena in ultrafine grained Alâ€“Mgâ€“Si alloy with heterogeneous microstructure. Acta Materialia, 2016, 103, 547-557.	7.9	89
27	Grain refinement in technically pure aluminium plates using incremental ECAP processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 636, 172-180.	5.6	42
28	The low temperature fracture behaviour of hydrostatically extruded ultra-fine grained Armco iron. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 632, 35-42.	5.6	8
29	Dislocation Substructure Evolution during Hydrostatic Extrusion of Al-Mg-Si Alloy. Acta Physica Polonica A, 2015, 128, 585-588.	0.5	5
30	Precipitation strengthening of ultrafine-grained Alâ€“Mgâ€“Si alloy processed by hydrostatic extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 609, 80-87.	5.6	25
31	Tailoring Microstructure and Mechanical Properties of 6063 Aluminium Alloy for Lightweight Structural Parts. Materials Science Forum, 0, 765, 388-392.	0.3	3