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	Precipitation phenomena in ultrafine grained Alâ€“Mgâ€“Si alloy with heterogeneous microstructure. Acta Materialia, 2016, 103, 547-557.	7.9	89
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	Incremental ECAP as a Method to Produce Ultrafine Grained Aluminium Plates. Key Engineering Materials, 2016, 710, 59-64.	0.4	11
14	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
15	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
16	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
17	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
18	Microstructure, Texture and Mechanical Properties of Mg-6Sn Alloy Processed by Differential Speed Rolling. Materials, 2021, 14, 83.	2.9	7

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	Dislocation Substructure Evolution during Hydrostatic Extrusion of Al-Mg-Si Alloy. Acta Physica Polonica A, 2015, 128, 585-588.	0.5	5
24	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
25	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
26	Tailoring Microstructure and Mechanical Properties of 6063 Aluminium Alloy for Lightweight Structural Parts. Materials Science Forum, 0, 765, 388-392.	0.3	3
27	Forming Ability of Ultrafineâ€Grained Aluminum Plates Processed by Incremental Equal Channel Angular Pressing. Advanced Engineering Materials, 2019, 21, 1900473.	3.5	3
28	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
29	Phenomena Occurring in Nanostructured Stainless Steel 316LVM during Annealing under High Hydrostatic Pressure. Advanced Engineering Materials, 2019, 21, 1800101.	3.5	2
30	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
31	Accumulation and mechanism of the fatigue damage for a nickel based superalloy. Materials Today: Proceedings, 2017, 4, 5946-5950.	1.8	0