Marta Orlowska

List of Publications by Year
in descending order

23	331	1039406 9	839053 18
papers	citations	h-index	g-index

23	23	23	284
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effect of grain size and grain boundary misorientation on the corrosion resistance of commercially pure aluminium. Corrosion Science, 2019, 148, 57-70.	3.0	98
2	Microstructure and mechanical properties of friction stir welded joints made from ultrafine grained aluminium 1050. Materials and Design, 2015, 88, 22-31.	3.3	45
3	The influence of severe plastic deformation processes on electrical conductivity of commercially pure aluminium and 5483 aluminium alloy. Archives of Civil and Mechanical Engineering, 2016, 16, 717-723.	1.9	31
4	Similar and dissimilar welds of ultrafine grained aluminium obtained by friction stir welding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 777, 139076.	2.6	21
5	Application of linear friction welding for joining ultrafine grained aluminium. Journal of Manufacturing Processes, 2020, 56, 540-549.	2.8	19
6	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.	1.1	18
7	The influence of an ECAP-based deformation process on the microstructure and properties of electrolytic tough pitch copper. Journal of Materials Science, 2018, 53, 3862-3875.	1.7	13
8	Incremental ECAP as a Method to Produce Ultrafine Grained Aluminium Plates. Key Engineering Materials, 2016, 710, 59-64.	0.4	11
9	Microstructure and Corrosion Behavior of the Friction Stir Welded Joints Made from Ultrafine Grained Aluminum. Advanced Engineering Materials, 2017, 19, 1600807.	1.6	10
10	A new hybrid process to produce ultrafine grained aluminium plates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 714, 105-116.	2.6	10
11	Investigation of Microwave Absorption Performance of CoFe2O4/NiFe2O4/Carbon Fiber Composite Coated with Polypyrrole in X-Band Frequency. Micromachines, 2020, 11, 809.	1.4	9
12	The Influence of Heat Treatment on the Mechanical Properties and Corrosion Resistance of the Ultrafine-Grained AA7075 Obtained by Hydrostatic Extrusion. Materials, 2022, 15, 4343.	1.3	7
13	Thermomechanical roll bonding of Al-6063 strips. Journal of Alloys and Compounds, 2021, 855, 157401.	2.8	6
14	Tailoring the alloy composition for wire arc additive manufacturing utilizing metal-cored wires in the cold metal transfer process. Materials and Design, 2022, 215, 110453.	3.3	6
15	Ultrafineâ€Grained Plates and Sheets: Processing, Anisotropy and Formability. Advanced Engineering Materials, 2020, 22, 1900666.	1.6	4
16	Application of 3D DIC-Assisted Residual Stress Measurements for Friction Stir Welding Weld from Ultrafine-Grained Aluminum. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 20-25.	1.1	4
17	Evolution of pitting corrosion resistance and mechanical properties in ultrafine-grained commercially pure aluminium during annealing. Journal of Materials Science, 2021, 56, 16726-16744.	1.7	4
18	Application of Electron Beam Welding Technique for Joining Ultrafine-Grained Aluminum Plates. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 18-24.	1.1	4

#	Article	IF	Citations
19	A Novel Rolling Approach to Refining the Microstructure and Enhancing the Mechanical Strength of Pure Aluminium. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 830-844.	1.1	3
20	Effect of microstructural features on the corrosion behavior of severely deformed Alâ€“Mgâ€“Si alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 868-878.	0.8	3
21	Local changes in the microstructure, mechanical and electrochemical properties of friction stir welded joints from aluminium of varying grain size. Journal of Materials Research and Technology, 2021, 15, 5968-5987.	2.6	3
22	A novel rolling procedure to enhance ECAP processed ultrafine grained materials. Materials Letters, 2018, 233, 270-273.	1.3	2
23	Increasing the Mechanical Strength and Corrosion Resistance of Aluminum Alloy 7075 via Hydrostatic Extrusion and Aging. Materials, 2022, 15, 4577.	1.3	0