

# Marta Orlowska

## List of Publications by Year in descending order

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23  
papers

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citations

1039406

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23  
docs citations

23  
times ranked

284  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Increasing the Mechanical Strength and Corrosion Resistance of Aluminum Alloy 7075 via Hydrostatic Extrusion and Aging. Materials, 2022, 15, 4577.	1.3	0
5	Thermomechanical roll bonding of Al-6063 strips. Journal of Alloys and Compounds, 2021, 855, 157401.	2.8	6
6	Effect of microstructural features on the corrosion behavior of severely deformed Al-Mg-Si alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2021, 72, 868-878.	0.8	3
7	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
8	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
9	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
10	Ultrafine-Grained Plates and Sheets: Processing, Anisotropy and Formability. Advanced Engineering Materials, 2020, 22, 1900666.	1.6	4
11	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
12	Investigation of Microwave Absorption Performance of CoFe <sub>2</sub> O <sub>4</sub> /NiFe <sub>2</sub> O <sub>4</sub> /Carbon Fiber Composite Coated with Polypyrrole in X-Band Frequency. Micromachines, 2020, 11, 809.	1.4	9
13	Application of linear friction welding for joining ultrafine grained aluminium. Journal of Manufacturing Processes, 2020, 56, 540-549.	2.8	19
14	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
15	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
16	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
17	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
18	A novel rolling procedure to enhance ECAP processed ultrafine grained materials. Materials Letters, 2018, 233, 270-273.	1.3	2

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19	Microstructure and Corrosion Behavior of the Friction Stir Welded Joints Made from Ultrafine Grained Aluminum. <i>Advanced Engineering Materials</i> , 2017, 19, 1600807.	1.6	10
20	Ultrafine-Grained Plates of Al-Mg-Si Alloy Obtained by Incremental Equal Channel Angular Pressing: Microstructure and Mechanical Properties. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 4871-4882.	1.1	18
21	Incremental ECAP as a Method to Produce Ultrafine Grained Aluminium Plates. <i>Key Engineering Materials</i> , 2016, 710, 59-64.	0.4	11
22	The influence of severe plastic deformation processes on electrical conductivity of commercially pure aluminium and 5483 aluminium alloy. <i>Archives of Civil and Mechanical Engineering</i> , 2016, 16, 717-723.	1.9	31
23	Microstructure and mechanical properties of friction stir welded joints made from ultrafine grained aluminium 1050. <i>Materials and Design</i> , 2015, 88, 22-31.	3.3	45