

# Janusz Adamiec

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The Phenomena and Criteria Determining the Cracking Susceptibility of Repair Padding Welds of the Inconel 713C Nickel Alloy. <i>Materials</i> , 2022, 15, 634.	2.9	5
2	Inhibitive effect of sodium molybdate on corrosion of AZ31 magnesium alloy in chloride solutions. <i>Electrochimica Acta</i> , 2022, 414, 140175.	5.2	27
3	STRUCTURES OF GRADIENT LAYERS OBTAINED USING THE LASER METAL DEPOSITION (LMD) METHOD. , 2022, 14, 113-124.		0
4	Hybrid Welding (Laser+Electric Arc MAG) of High Yield Point Steel S960QL. <i>Materials</i> , 2021, 14, 5447.	2.9	2
5	Aqueous molybdate provides effective corrosion inhibition of WE43 magnesium alloy in sodium chloride solutions. <i>Corrosion Science</i> , 2021, 190, 109664.	6.6	54
6	Regeneration of Aluminum Matrix Composite Reinforced by SiCp and GCsf Using Gas Tungsten Arc Welding Technology. <i>Materials</i> , 2021, 14, 6410.	2.9	3
7	Effect of TIG Welding and Rare Earth Elements Alloying on Corrosion Resistance of Magnesium Alloys. <i>Journal of the Electrochemical Society</i> , 2020, 167, 131504.	2.9	15
8	Repair of Precision Castings Made of the Inconel 713C Alloy. <i>Archives of Foundry Engineering</i> , 2017, 17, 210-216.	0.4	3
9	Properties of the Inconel 713 Alloy Within the High Temperature Brittleness Range. <i>Archives of Foundry Engineering</i> , 2017, 17, 103-108.	0.4	5
10	Evaluation of High Temperature Corrosion Resistance of Finned Tubes Made of Austenitic Steel And Nickel Alloys. <i>Archives of Metallurgy and Materials</i> , 2016, 61, 1089-1093.	0.6	1
11	Determination of the Fatigue Life on the Basis of Fatigue Test and FEM for EN-MCMgY4RE3Zr with Rare Earth Elements. <i>Springer Proceedings in Mathematics and Statistics</i> , 2016, , 49-59.	0.2	0
12	Mechanical Properties of WE43 Magnesium Alloy Joint at Elevated Temperature / Właściwości mechaniczne Złącza...czy Ze Stopu Magnezu WE43 W Podwyższonej Temperaturze. <i>Archives of Metallurgy and Materials</i> , 2015, 60, 2695-2702.	0.6	4
13	The Structure And Properties Of Mixed Welded Joints Made Of X10NiCrAlTi32-21 And X6CrNiMoTi17-12-2 Steels. <i>Archives of Metallurgy and Materials</i> , 2015, 60, 1801-1806.	0.6	0
14	Evaluation of Susceptibility to Hot Cracking of Inconel 617 Nickel Alloy Welds in Transvarestraint Test. <i>Solid State Phenomena</i> , 2015, 226, 95-98.	0.3	2
15	The Causes of Low Impact Strength of T23 Steel Weld Joints. <i>Solid State Phenomena</i> , 2015, 226, 103-106.	0.3	0
16	Effect of Autogenous Laser Weld on Microstructure and Mechanical Properties of Inconel 617 Nickel Alloy. <i>Solid State Phenomena</i> , 2015, 226, 43-46.	0.3	3
17	Cracking of 7CrMoVTiB10-10 (T24) Steel Weld Joints. <i>Solid State Phenomena</i> , 2015, 226, 87-90.	0.3	3
18	Laser Welding Of Finned Tubes Made Of Austenitic Steels. <i>Archives of Metallurgy and Materials</i> , 2015, 60, 1807-1812.	0.6	4

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19	Microstructural Stability of Long-Term Annealed AZ91 Magnesium Alloy Weld Joint. Materials Science Forum, 2014, 782, 161-165.	0.3	0
20	Structural Stability of Welded Joints of Magnesium Alloy EZ33A-T5. Materials Science Forum, 2014, 782, 408-414.	0.3	1
21	Technology of Repairing QE22 Alloy Casts. Archives of Metallurgy and Materials, 2014, 59, 667-673.	0.6	3
22	The Quantitative Assessment of the Fracture Profile of Magnesium Alloy QE22 Welded Joint. Solid State Phenomena, 2013, 197, 215-220.	0.3	0
23	Diffusion Vacuum Brazing of TiAl48Cr2Nb2 Casting Alloys Based on TiAl (<math>\beta</math>) Intermetallic Compound Using Ag-Cu-Ti Braze Alloy. Solid State Phenomena, 2013, 211, 141-148.	0.3	2
24	Effect of Ti Addition to Zn Filler Metal on Wettability and Reinforcement of Soldered Joint of Aluminum. Solid State Phenomena, 2013, 211, 23-30.	0.3	0
25	Welding of Aluminium Alloy Thin Sheets Using Variable Polarity MIG Method <sup></sup>. Solid State Phenomena, 2013, 211, 15-22.	0.3	0
26	CMT Robotized Welding of Thin-Walled Joints Made of 7xxx Series Aluminium Alloy <sup></sup>. Solid State Phenomena, 2013, 211, 31-38.	0.3	1
27	The Influence of Casting Defects on Fatigue Resistance of Elektron 21 Magnesium Alloy. Archives of Foundry Engineering, 2013, 13, 103-106.	0.4	6
28	Impact of Heat Treatment on the Structure and Properties of the QE22 Alloy Welded Joints. Solid State Phenomena, 2012, 191, 183-188.	0.3	0
29	Diffusion Brazing of Titanium via Copper Layer. Solid State Phenomena, 2012, 191, 249-253.	0.3	2
30	Impact of heat treatment on microstructure of steel 30X padded with wire G18 8Mn. IOP Conference Series: Materials Science and Engineering, 2012, 35, 012021.	0.6	0
31	Design factors influencing weldability of the Mg-4Y-3RE cast magnesium alloy. IOP Conference Series: Materials Science and Engineering, 2011, 22, 012002.	0.6	4
32	Evaluation of Susceptibility to Hot Cracking of Magnesium Alloy Joints in Variable Stiffness Condition. Archives of Metallurgy and Materials, 2011, 56, .	0.6	14
33	The role of hydrogen in weld cracking processes " a new look at the problem. Welding International, 2011, 25, 409-414.	0.7	5
34	The Assessment of Impact of Construction Factors on Weldability of MSRB Alloy. Materials Science Forum, 2011, 690, 37-40.	0.3	3
35	Weldability of the MSRB Magnesium Alloy. Solid State Phenomena, 2011, 176, 107-118.	0.3	5
36	Hot cracking of welded joints of the 7CrMoVTiB 10-10 (T/P24) steel. IOP Conference Series: Materials Science and Engineering, 2011, 22, 012001.	0.6	1

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37	Determination Brittle Temperature Range of Msr-B Magnesium Alloy. Archives of Metallurgy and Materials, 2011, 56, .	0.6	4
38	Fibre laser usage in boiler elements' production for the power industry. Welding International, 2010, 24, 853-860.	0.7	5
39	Methodology of quantitative evaluation of porosity, dendrite arm spacing and grain size in directionally solidified blades made of CMSX-6 nickel alloy. Materials Characterization, 2009, 60, 1120-1126.	4.4	22
40	High temperature corrosion of power boiler components clad with nickel alloys. Materials Characterization, 2009, 60, 1093-1099.	4.4	50
41	Hybrid welding of sheet pile walls by light waveguide laser. Welding International, 2008, 22, 393-396.	0.7	0
42	Aspects of pad welding of waste-incinerator boiler-elements with Inconel 625 and 686 alloys. Welding International, 2007, 21, 190-194.	0.7	6
43	Complex procedure for the quantitative description of an Al-Si cast alloy microstructure. Materials Characterization, 2006, 56, 373-378.	4.4	4
44	Welding of an intermetallic Fe-Al phase-based alloy with a diode laser. , 2003, , .		0
45	Joining of an Ni-Al alloy by means of laser beam welding. , 2003, 5229, 215.		9
46	Modern Methods of Aluminum Alloys Welding. Solid State Phenomena, 0, 176, 35-38.	0.3	9
47	Repairing the WE43 Magnesium Cast Alloys. Solid State Phenomena, 0, 176, 99-106.	0.3	6
48	Assessment of High-Temperature Brittleness Range of the Casted Alloy AZ91. Materials Science Forum, 0, 690, 41-44.	0.3	7
49	Creep Resistance of WE43 Magnesium Alloy Joints. Solid State Phenomena, 0, 191, 177-182.	0.3	2
50	CMT and MIG-Pulse Robotized Welding of Thin-Walled Elements Made of 6xxx and 2xxx Series Aluminium Alloys. Solid State Phenomena, 0, 191, 45-56.	0.3	5
51	The Microstructural Changes after Thermal Shock Applied on Elektron 21 Magnesium Alloy. Solid State Phenomena, 0, 211, 77-82.	0.3	0
52	The Repair Welding Technology of Casts Magnesium Alloy QE22. Solid State Phenomena, 0, 212, 81-86.	0.3	5
53	The Procedure for Quantitative Analysis of Welded Joints in QE22 Alloy. Solid State Phenomena, 0, 197, 149-154.	0.3	0
54	Effect of Electrode Negative Ratio in AC MIG Welding of Aluminium Alloy 6082 on the Microstructure and Properties of Heat Affected Zone. Solid State Phenomena, 0, 211, 39-46.	0.3	0

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55	Effect of MIG Welding Method Choice on Hot Cracking Occurrence in EN AW 6082 Aluminium Alloys. Solid State Phenomena, 0, 229, 25-34.	0.3	3
56	Low Energy versus Pulse in MIG Welding of "Thin" Sheets of Aluminium Alloy EN AW 6082. Solid State Phenomena, 0, 229, 35-44.	0.3	2
57	Stability of the Structure of WE43 Cast Magnesium Alloy Welded Joints at Elevated Temperatures. Solid State Phenomena, 0, 229, 105-114.	0.3	1
58	Mechanism of Hot Cracking Welds of Nickel Alloy Inconel 625. Solid State Phenomena, 0, 246, 25-28.	0.3	0