

Jaromír Moravec

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of the $t_8/5$ Cooling Time on the Properties of S960MC Steel in the HAZ of Welded Joints Evaluated by Thermal Physical Simulation. <i>Metals</i> , 2020, 10, 229.	2.3	36
2	Determination of Grain Growth Kinetics and Assessment of Welding Effect on Properties of S700MC Steel in the HAZ of Welded Joints. <i>Metals</i> , 2019, 9, 707.	2.3	23
3	Experiments and Numerical Simulations of the Annealing Temperature Influence on the Residual Stresses Level in S700MC Steel Welded Elements. <i>Materials</i> , 2020, 13, 5289.	2.9	19
4	Material Utilization of Cotton Post-Harvest Line Residues in Polymeric Composites. <i>Polymers</i> , 2019, 11, 1106.	4.5	16
5	Heat Input Influence on the Fatigue Life of Welds from Steel S460MC. <i>Metals</i> , 2020, 10, 1288.	2.3	8
6	Determination of CCT Diagram by Dilatometry Analysis of High-Strength Low-Alloy S960MC Steel. <i>Materials</i> , 2022, 15, 4637.	2.9	8
7	Assessment the Partial Welding Influences on Fatigue Life of S700MC Steel Fillet Welds. <i>Metals</i> , 2021, 11, 334.	2.3	7
8	Influence of Heating Rate on the Transformation Temperature Change in Selected Steel Types. <i>Manufacturing Technology</i> , 2020, 20, 217-222.	1.4	7
9	Numerical Simulations of Heat Treatment Processes. <i>Applied Mechanics and Materials</i> , 0, 809-810, 799-804.	0.2	5
10	The Selection of Appropriate Process Parameters of Diffusion Bonding in Heterogeneous Weld of 355J2/AISI 316L Steels. <i>Key Engineering Materials</i> , 2017, 737, 101-106.	0.4	5
11	Application of Numerical Simulations on 10GN2MFA Steel Multilayer Welding. <i>Springer Proceedings in Mathematics and Statistics</i> , 2018, , 193-204.	0.2	5
12	Comparison of Dilatometry Results Obtained by Two Different Devices when Generating CCT and \ln Situ \ln Diagrams. <i>Key Engineering Materials</i> , 0, 669, 477-484.	0.4	4
13	Effect of Higher Silicon Content and Heat Treatment on Structure Evolution and High-Temperature Behaviour of Fe-28Al-15Si-2Mo Alloy. <i>Materials</i> , 2021, 14, 3031.	2.9	4
14	DETERMINATION OF THE GRAIN GROWTH KINETICS AS A BASE PARAMETER FOR NUMERICAL SIMULATION DEMAND. <i>MM Science Journal</i> , 2015, 2015, 649-653.	0.4	4
15	APPLICATION OF NUMERICAL SIMULATIONS ON X10CRWMOVNB9-2 STEEL MULTILAYER WELDING. <i>MM Science Journal</i> , 2016, 2016, 1190-1193.	0.4	4
16	Selection of the Proper Diffusion Welding Parameters for the Heterogeneous Joint Ti Grade 2/AISI 316L. <i>Manufacturing Technology</i> , 2017, 17, 231-237.	1.4	4
17	Ways of Numerical Prediction of Austenitic Grain Size in Heat-Affected Zone of Welds. <i>Advanced Materials Research</i> , 0, 1029, 25-30.	0.3	3
18	Possibilities of using interlayers during diffusion welding of Ti Gr2 and AISI 316L. <i>MATEC Web of Conferences</i> , 2018, 244, 01013.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Assessment of the Heat Input Effect on the Distribution of Temperature Cycles in the HAZ of S460MC Welds in MAG Welding. <i>Metals</i> , 2021, 11, 1954.	2.3	2
20	Application of Numerical Simulations at Welding Multilayer Welds from the Material X22CrMoV12-2. <i>Advanced Materials Research</i> , 0, 1029, 31-36.	0.3	1
21	Cooling Thin Parts of Pressure Casting Moulds by Means of Liquid CO ₂ . <i>Key Engineering Materials</i> , 2015, 669, 71-78.	0.4	1
22	Buckling behaviour of polyester fibres: influence of their material heterogeneity. <i>Journal of the Textile Institute</i> , 2021, 112, 976-982.	1.9	1
23	Possibilities to Use Physical Simulations When Studying the Distribution of Residual Stresses in the HAZ of Duplex Steels Welds. <i>Materials</i> , 2021, 14, 6791.	2.9	1
24	New Methods of Obtaining Input Data of Numerical Computations by Using Heat Treatment Simulator. <i>Applied Mechanics and Materials</i> , 2014, 616, 167-174.	0.2	0
25	Influence of Pressure in the Nozzle Combustion Chamber on the Porosity and Hardness of WC - Co Coatings Created by HVOF Technology. <i>Materials Science Forum</i> , 2015, 818, 74-77.	0.3	0
26	The Increase in Effectivity of Material Processing with Employment of Liquid CO ₂ during Aluminium Die Casting. <i>Key Engineering Materials</i> , 0, 737, 64-69.	0.4	0
27	THE IMPACT OF SELECTED PROCESSES AND TECHNOLOGICAL PARAMETERS ON THE GEOMETRY OF THE WELD POOL WHEN WELDING IN SHIELS GAS ATMOSPHERE. <i>Acta Polytechnica</i> , 2017, 57, 78.	0.6	0
28	Application possibilities of the low-temperature repairs on creep-resistance turbine components from material GX23CrMoV12-1. <i>MATEC Web of Conferences</i> , 2018, 244, 01017.	0.2	0
29	Influence of Preheating Temperature on Changes in Properties in the HAZ during Multipass MIG Welding of Alloy AW 6061 and Possibilities of Their Restoration. <i>Metals</i> , 2021, 11, 1902.	2.3	0