

Jerzy Winczek

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

333
citations

12
h-index

16
g-index

46
ext. papers

476
ext. citations

2.1
avg, IF

4.25
L-index

#	Paper	IF	Citations
41	Analytical solution to transient temperature field in a half-infinite body caused by moving volumetric heat source. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 5774-5781	4.9	43
40	Evaluation of Mechanical and Thermal Properties of Jute and Ramie Reinforced Epoxy-based Hybrid Composites. <i>Journal of Natural Fibers</i> , 1-11	1.8	32
39	New approach to modeling of temperature field in surfaced steel elements. <i>International Journal of Heat and Mass Transfer</i> , 2011 , 54, 4702-4709	4.9	21
38	Physical and Mechanical Behavior of Hemp and Nettle Fiber-Reinforced Polyester Resin-based Hybrid Composites. <i>Journal of Natural Fibers</i> , 2020 , 1-16	1.8	21
37	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	20
36	Analytical solution of temporary temperature field in half-infinite body caused by moving tilted volumetric heat source. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 60, 469-479	4.9	16
35	Physical and Mechanical Properties of Natural Leaf Fiber-Reinforced Epoxy Polyester Composites. <i>Polymers</i> , 2021 , 13,	4.5	15
34	Mechanical and Microstructural Characterization of Friction Stir Welded SiC and BC Reinforced Aluminium Alloy AA6061 Metal Matrix Composites. <i>Materials</i> , 2021 , 14,	3.5	15
33	Physical and Mechanical Properties of Rambans (Agave) Fiber Reinforced with Polyester Composite Materials. <i>Journal of Natural Fibers</i> , 1-15	1.8	14
32	Physical and Mechanical Behaviour of Sugarcane Bagasse Fibre-Reinforced Epoxy Bio-Composites. <i>Materials</i> , 2020 , 13,	3.5	13
31	Modeling of Temperature Field during Multi-Pass GMAW Surfacing or Rebuilding of Steel Elements Taking into Account the Heat of the Deposit Metal. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 6	2.6	12
30	Modeling of Heat Affected Zone in Multipass GMAW Surfacing S235 Steel Element. <i>Procedia Engineering</i> , 2016 , 136, 108-113		12
29	Analytical Description of the Temperature Field Induced by Laser Heat Source with Any Trajectory. <i>Procedia Engineering</i> , 2016 , 149, 553-558		11
28	Theoretical and Experimental Investigation of Temperature and Phase Transformation During SAW Overlaying. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1472	2.6	9
27	Effect of SiC Reinforcement and Its Variation on the Mechanical Characteristics of AZ91 Composites. <i>Materials</i> , 2020 , 13,	3.5	9
26	Effect of Variation of SiC Reinforcement on Wear Behaviour of AZ91 Alloy Composites. <i>Materials</i> , 2021 , 14,	3.5	9
25	Modelling of heat affected zone in cylindrical steel elements surfaced by welding. <i>Applied Mathematical Modelling</i> , 2012 , 36, 1514-1528	4.5	7

24	Investigation of Welds and Heat Affected Zones in Weld Surfacing Steel Plates Taking into Account the Bead Sequence. <i>Materials</i> , 2020 , 13,	3.5	6
23	A simplified method of predicting stresses in surfaced steel rods. <i>Journal of Materials Processing Technology</i> , 2012 , 212, 1080-1088	5.3	6
22	A novel fixed-grid interface-tracking algorithm for rapid solidification of supercooled liquid metal. <i>Numerical Heat Transfer; Part A: Applications</i> , 2020 , 78, 306-320	2.3	5
21	Physical and Mechanical Properties of Pinecone Scale Fiber/Vigna Mungo Powder Reinforced Polypropylene Based Hybrid Composites. <i>Journal of Natural Fibers</i> , 1-11	1.8	4
20	Engineering calculations for complex geometric domains. <i>MATEC Web of Conferences</i> , 2018 , 157, 02009	0.3	4
19	Modelling of Heat Affected Zone in Submerged arc Welding Butt Joint with Thorough Penetration. <i>Procedia Engineering</i> , 2017 , 177, 241-246		3
18	Numerical Analysis of the Influence of Electrode Inclination on Temperature Distribution during GMAW Overlaying. <i>Mathematical Problems in Engineering</i> , 2019 , 2019, 1-13	1.1	3
17	Modelling of a temporary temperature field during arc weld surfacing of steel elements taking into account heat of the weld. <i>Journal of Applied Mathematics and Computational Mechanics</i> , 2015 , 14, 111-120 ¹	2.1	3
16	The modelling of temperature-dependent stress-strain curves for weldable steels. <i>Journal of Applied Mathematics and Computational Mechanics</i> , 2018 , 17, 111-117	2.1	3
15	The effect of the preheating on to properties of the wear resistant welds. <i>Przeegląd Spawalnictwa</i> , 2020 , 92, 7-14	0.4	3
14	In Situ Formation of ZrB and Its Influence on Wear and Mechanical Properties of ADC12 Alloy Mixed Matrix Composites. <i>Materials</i> , 2021 , 14,	3.5	3
13	Evaluation of Physical, Mechanical, and Wear Properties of Jatropha Shell Powder Reinforced Epoxy Glass Fiber Composites. <i>Journal of Natural Fibers</i> , 1-13	1.8	3
12	Estimation of Heat Energy in Regeneration of Agricultural Machine Parts by Welding Methods. <i>Agricultural Engineering</i> , 2020 , 24, 91-100	0.4	2
11	Analysis of thermomechanical states in single-pass GMAW surfaced steel element 2017 ,		1
10	Computation of phase transformations, strains and stresses fields during multipass superficial hardening process with tempering 2015 ,		1
9	The Analysis of Temporary Temperature Field and Phase Transformations in One-Side Butt-Welded Steel Flats 2016 ,		1
8	The Effect of Additional Shielding Gas on Properties and Erosion Resistance of High Chromium Hardfacing. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 413-420	0.4	1
7	Analytical model of stress field in submerged arc welding butt joint with thorough penetration. <i>MATEC Web of Conferences</i> , 2018 , 157, 02056	0.3	1

6	Computational study of the effect of spray parameters on adhesion of splat on the stainless steel substrate during the impact of molten zirconia droplet. <i>Heat and Mass Transfer</i> , 1	2.2	1
5	Calculation of Stresses during Shielded Arc Surfacing with Consideration Influence of Temperature and Structure Changes. <i>EAI/Springer Innovations in Communication and Computing</i> , 2019, 99-109	0.6	
4	Analysis of deformation and microstructure evolution during the hot deformation of titanium alloy. <i>MATEC Web of Conferences</i> , 2018, 157, 02022	0.3	
3	Advanced Output Characteristics of Welding Power Source for Pulsed GMAW. <i>Lecture Notes in Mechanical Engineering</i> , 2019, 307-314	0.4	
2	Butt welding of thin sheets of S960MC steel. <i>Przegląd Spawalnictwa</i> , 2021, 93, 5-12	0.4	
1	The ecological techniques and materials in artistic graphic art. <i>E3S Web of Conferences</i> , 2018, 44, 00188	0.5	