

Elzbieta Gawronska

List of Publications by Year in descending order

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23
papers

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citations

1478505

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23
all docs

23
docs citations

23
times ranked

85
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Geometry on the Thermal and Mechanical Properties of Periodic Surface Structures: A Numerical Study. MATEC Web of Conferences, 2022, 357, 02018.	0.2	0
2	Testing the State of Internal Load and Strength of the Facade Mesh Wire Subjected to the Corrugation Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, .	2.2	1
3	A Numerical Study of Geometry's Impact on the Thermal and Mechanical Properties of Periodic Surface Structures. Materials, 2021, 14, 427.	2.9	12
4	3D simulations of solidification with liquid phase flow. IOP Conference Series: Materials Science and Engineering, 2020, 776, 012029.	0.6	1
5	Stress analysis in solid-liquid parts of solidifying castings. MATEC Web of Conferences, 2019, 254, 02019.	0.2	0
6	Theoretical and Experimental Investigation of Temperature and Phase Transformation During SAW Overlaying. Applied Sciences (Switzerland), 2019, 9, 1472.	2.5	14
7	A Sequential Approach to Numerical Simulations of Solidification with Domain and Time Decomposition. Applied Sciences (Switzerland), 2019, 9, 1972.	2.5	9
8	Modeling of heat flow using commercial and authorial software on the example of a permanent magnet motor. MATEC Web of Conferences, 2019, 254, 02032.	0.2	1
9	Modelling and computer simulations with the use of a specific organisation of calculations. , 2019, , .		0
10	Engineering calculations for complex geometric domains. MATEC Web of Conferences, 2018, 157, 02009.	0.2	6
11	A computer simulation of solidification taking into account the movement of the liquid phase. MATEC Web of Conferences, 2018, 157, 02008.	0.2	1
12	Numerical Problems Related to Solving the Navier-Stokes Equations in Connection with the Heat Transfer with the Use of FEM. Procedia Engineering, 2017, 177, 78-85.	1.2	8
13	Different Techniques of Determination of the Cracking Criterion for Solidification in Casting. Procedia Engineering, 2017, 177, 86-91.	1.2	4
14	Analysis of thermomechanical states in single-pass GMAW surfaced steel element. AIP Conference Proceedings, 2017, , .	0.4	1
15	Estimate the Impact of Different Heat Capacity Approximation Methods on the Numerical Results During Computer Simulation of Solidification. , 2017, , 1-14.		0
16	Numerical Modeling of Equiaxed Structure Forming in the Cast during Alloy Solidification. Procedia Engineering, 2016, 136, 101-107.	1.2	2
17	Analytical Description of the Temperature Field Induced by Laser Heat Source with Any Trajectory. Procedia Engineering, 2016, 149, 553-558.	1.2	14
18	The Effect Of Mechanical Interactions Between The Casting And The Mold On The Conditions Of Heat Dissipation: A Numerical Model. Archives of Metallurgy and Materials, 2015, 60, 1901-1910.	0.6	12

#	ARTICLE	IF	CITATIONS
19	Numerically Stable Computer Simulation of Solidification: Association Between Eigenvalues of Amplification Matrix and Size of Time Step. , 2015, , 17-30.		4
20	Modeling of Two-Stage Solidification: Part II Computational Verification of the Model. Archives of Foundry Engineering, 2013, 13, 125-130.	0.4	3
21	Modeling of Two-Stage Solidification: Part I Model Development. Archives of Foundry Engineering, 2012, 12, 151-156.	0.4	4
22	Stability of the mixed time partitioning methods in relation to the size of time step. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 467-468.	0.2	3
23	Application of Mixed Time Partitioning Methods to Raise the Efficiency of Solidification Modeling. , 2010, , .		13