

Junting Xiang

List of Publications by Year in descending order

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15
papers

112
citations

1478505

6
h-index

1372567

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15
all docs

15
docs citations

15
times ranked

91
citing authors

#	ARTICLE	IF	CITATIONS
1	Macrosegregation in the Weld Pool in Metal Inert-Gas Welding of Aluminium. Journal of Manufacturing Processes, 2021, 61, 111-127.	5.9	5
2	Predictions of polymer migration in a dilute solution between rotating eccentric cylinders. Journal of Rheology, 2021, 65, 1311-1325.	2.6	5
3	Modelling and measurements of gas tungsten arc welding in argon-helium mixtures with metal vapour. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 767-783.	2.5	12
4	Numerical study of the metal vapour transport in tungsten inert-gas welding in argon for stainless steel. Applied Mathematical Modelling, 2020, 79, 713-728.	4.2	20
5	Model-based parameter optimization for arc welding process simulation. Applied Mathematical Modelling, 2020, 81, 386-400.	4.2	21
6	Numerical study of the effects and transport mechanisms of iron vapour in tungsten inert-gas welding in argon. Journal Physics D: Applied Physics, 2020, 53, 044004.	2.8	15
7	Numerical study of the tip clearance flow in miniature gas turbine compressors. Aerospace Science and Technology, 2019, 93, 105352.	4.8	6
8	Oscillation characteristics of low Weber number impinging micro-droplets. Theoretical and Computational Fluid Dynamics, 2019, 33, 197-213.	2.2	8
9	A model for the aerodynamic coefficients of rock-like debris. Comptes Rendus - Mecanique, 2019, 347, 19-32.	2.1	2
10	Study of KJ-66 micro gas turbine compressor: Steady and unsteady Reynolds-averaged Navier-Stokes approach. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2017, 231, 904-917.	1.3	8
11	A numerical parametric and optimization study of an industrial air-slide conveyor system. Powder Technology, 2017, 315, 367-378.	4.2	2
12	Towards simulation of NASA35 axial compressor. Aircraft Engineering and Aerospace Technology, 2015, 87, 571-583.	0.8	2
13	Effects of Tip Clearance on Miniature Gas Turbines Compressor Performance: A Numerical Approach. , 2015, , .		1
14	Miniature gas turbines: Numerical study of the effects of heat transfer and Reynolds number on the performance of an axial compressor. International Journal of Computational Materials Science and Engineering, 2014, 03, 1450008.	0.7	1
15	CFD Validation and Analysis of a Single-Stage Axial Compressor. Applied Mechanics and Materials, 0, 629, 109-118.	0.2	4