

Mohamadreza Afrasiabi

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.

15
papers

116
citations

7
h-index

10
g-index

16
ext. papers

187
ext. citations

3.3
avg, IF

3.61
L-index

#	Paper	IF	Citations
15	Metal cutting simulations using smoothed particle hydrodynamics on the GPU. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 102, 3445-3457	3.2	15
14	Thermal simulation in multiphase incompressible flows using coupled meshfree and particle level set methods. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018 , 336, 667-694	5.7	15
13	Multi-Resolution SPH Simulation of a Laser Powder Bed Fusion Additive Manufacturing Process. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2962	2.6	14
12	Meshfree simulation of metal cutting: an updated Lagrangian approach with dynamic refinement. <i>International Journal of Mechanical Sciences</i> , 2019 , 160, 451-466	5.5	13
11	A Particle Strength Exchange Method for Metal Removal in Laser Drilling. <i>Procedia CIRP</i> , 2018 , 72, 1548-1553	5.3	13
10	GPU-accelerated meshfree simulations for parameter identification of a friction model in metal machining. <i>International Journal of Mechanical Sciences</i> , 2020 , 176, 105571	5.5	11
9	Contemporary Meshfree Methods for Three Dimensional Heat Conduction Problems. <i>Archives of Computational Methods in Engineering</i> , 2020 , 27, 1413-1447	7.8	8
8	Meshless single grain cutting simulations on the GPU. <i>International Journal of Mechatronics and Manufacturing Systems</i> , 2019 , 12, 272	0.8	6
7	3D Thermal Simulation of a Laser Drilling Process with Meshfree Methods. <i>Journal of Manufacturing and Materials Processing</i> , 2020 , 4, 58	2.2	5
6	A Numerical-Experimental Study on Orthogonal Cutting of AISI 1045 Steel and Ti6Al4V Alloy: SPH and FEM Modeling with Newly Identified Friction Coefficients. <i>Metals</i> , 2021 , 11, 1683	2.3	4
5	Smoothed Particle Hydrodynamics Simulation of Orthogonal Cutting with Enhanced Thermal Modeling. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1020	2.6	4
4	An improved thermal model for SPH metal cutting simulations on GPU. <i>Applied Mathematical Modelling</i> , 2021 , 100, 728-750	4.5	4
3	Multimaterial powder bed fusion techniques. <i>Rapid Prototyping Journal</i> , 2022 , 28, 1-19	3.8	2
2	Simulation of the ductile machining mode of silicon. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 115, 1565-1578	3.2	1
1	Smoothed Particle Hydrodynamics Modeling of the Multi-layer Laser Powder Bed Fusion Process. <i>Procedia CIRP</i> , 2022 , 107, 276-282	1.8	0