

Andreas Lundbck

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.

24
papers

461
citations

10
h-index

21
g-index

25
ext. papers

523
ext. citations

3.2
avg, IF

4.07
L-index

#	Paper	IF	Citations
24	Modelling of metal deposition. <i>Finite Elements in Analysis and Design</i> , 2011 , 47, 1169-1177	2.2	87
23	Simulation of additive manufacturing using coupled constitutive and microstructure models. <i>Additive Manufacturing</i> , 2016 , 12, 144-158	6.1	80
22	Simplified FE welding simulation of fillet welds [BD effects on the formation residual stresses. <i>Engineering Failure Analysis</i> , 2009 , 16, 2281-2289	3.2	76
21	Validation of three-dimensional finite element model for electron beam welding of Inconel 718. <i>Science and Technology of Welding and Joining</i> , 2005 , 10, 717-724	3.7	41
20	Simulation and validation of repair welding and heat treatment of an alloy 718 plate. <i>Finite Elements in Analysis and Design</i> , 2012 , 58, 66-73	2.2	27
19	Binder jetting of the AlCoCrFeNi alloy. <i>Additive Manufacturing</i> , 2019 , 27, 72-79	6.1	24
18	Simulation of manufacturing chain of a titanium aerospace component with experimental validation. <i>Finite Elements in Analysis and Design</i> , 2012 , 51, 10-21	2.2	19
17	Approaches in computational welding mechanics applied to additive manufacturing: Review and outlook. <i>Comptes Rendus - Mecanique</i> , 2018 , 346, 1033-1042	2.1	15
16	Thermal simulation and phase modeling of bulk metallic glass in the powder bed fusion process. <i>Additive Manufacturing</i> , 2019 , 27, 345-352	6.1	12
15	Finite Element Simulation to Support Sustainable Production by Additive Manufacturing. <i>Procedia Manufacturing</i> , 2017 , 7, 127-130	1.5	11
14	History Reduction by Lumping for Time-Efficient Simulation of Additive Manufacturing. <i>Metals</i> , 2020 , 10, 58	2.3	10
13	Simulation of microstructural evolution during repair welding of an IN718 plate. <i>Finite Elements in Analysis and Design</i> , 2016 , 120, 92-101	2.2	10
12	Simulation of Ti-6Al-4V Additive Manufacturing Using Coupled Physically Based Flow Stress and Metallurgical Model. <i>Materials</i> , 2019 , 12,	3.5	10
11	Welding of Non-nominal Geometries [Physical Tests. <i>Procedia CIRP</i> , 2016 , 43, 136-141	1.8	8
10	Thermo-Mechanics and Microstructure Evolution in Manufacturing Simulations. <i>Journal of Thermal Stresses</i> , 2013 , 36, 564-588	2.2	7
9	Modeling And Experimental Measurement with Synchrotron Radiation of Residual Stresses in Laser Metal Deposited Ti-6Al-4V 2016 , 1279-1282		6
8	Thermal stresses and computational welding mechanics. <i>Journal of Thermal Stresses</i> , 2019 , 42, 107-121	2.2	5

7	Temperature and Microstructure Evolution in Gas Tungsten Arc Welding Wire Feed Additive Manufacturing of Ti-6Al-4V. <i>Materials</i> , 2019 , 12,	3.5	5
6	Mechanism Based Flow Stress Model for Alloy 625 and Alloy 718. <i>Materials</i> , 2020 , 13,	3.5	4
5	Finite Element Analysis Using a Dislocation Density Based Flow Stress Model Coupled with Model for Precipitate Evolution 2014 , 155-168		2
4	Modelling additive manufacturing of superalloys. <i>Procedia Manufacturing</i> , 2019 , 35, 252-258	1.5	1
3	Numerical modeling and synchrotron diffraction measurements of residual stresses in laser powder bed fusion manufactured alloy 625. <i>Materials and Design</i> , 2022 , 216, 110548	8.1	1
2	Simulation of phase evolution in a Zr-based glass forming alloy during multiple laser remelting. <i>Journal of Materials Research and Technology</i> , 2022 , 16, 1165-1178	5.5	0
1	Challenges in Finite Element Simulations of Chain of Manufacturing Processes. <i>Materials Science Forum</i> , 2013 , 762, 349-353	0.4	