

# Kjell Hurtig

## List of Publications by Year in descending order

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26  
papers

558  
citations

759233

12  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of process parameters and heat treatments on delta-phase precipitation in directed energy deposited alloy 718. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 863-877.	2.5	2
2	A physical simulation technique for cleaner and more sustainable research in additive manufacturing. <i>Journal of Cleaner Production</i> , 2021, 285, 124910.	9.3	7
3	Promoting austenite formation in laser welding of duplex stainless steel—impact of shielding gas and laser reheating. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 499-511.	2.5	18
4	Influence of laser-directed energy deposition process parameters and thermal post-treatments on Nb-rich secondary phases in single-track Alloy 718 specimens. <i>Journal of Laser Applications</i> , 2021, 33, 022024.	1.7	7
5	Welding of Large Thickness Super Duplex Stainless Steel: Microstructure and Properties. <i>Metals</i> , 2021, 11, 1184.	2.3	11
6	Precipitation kinetics of Cu-rich particles in super duplex stainless steels. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3951-3964.	5.8	7
7	Bead by bead study of a multipass shielded metal arc-welded super-duplex stainless steel. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 283-299.	2.5	26
8	A Methodology to Parameterize Wire + Arc Additive Manufacturing: A Case Study for Wall Quality Analysis. <i>Journal of Manufacturing and Materials Processing</i> , 2020, 4, 14.	2.2	9
9	Effect of Direct Energy Deposition Process Parameters on Single-Track Deposits of Alloy 718. <i>Metals</i> , 2020, 10, 96.	2.3	43
10	Influence of Heat Treatments on Heat Affected Zone Cracking of Gas Tungsten Arc Welded Additive Manufactured Alloy 718. <i>Metals</i> , 2019, 9, 881.	2.3	14
11	Wire-arc additive manufacturing of a duplex stainless steel: thermal cycle analysis and microstructure characterization. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 975-987.	2.5	69
12	A Modified Johnson-Cook Model for Ferritic-Pearlitic Steel in Dynamic Strain Aging Regime. <i>Metals</i> , 2019, 9, 528.	2.3	9
13	A New Approach to the Study of Multi-Pass Welds—Microstructure and Properties of Welded 20-mm-Thick Superduplex Stainless Steel. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1050.	2.5	18
14	Ferrite content measurement in super duplex stainless steel welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 551-563.	2.5	25
15	A contribution to the study of negative polarity in GMA welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 2543-2553.	3.0	10
16	Investigation on effect of welding parameters on solidification cracking of austenitic stainless steel 314. <i>Procedia Manufacturing</i> , 2018, 25, 351-357.	1.9	9
17	Measurement of the thermal cycle in the base metal heat affected zone of cast ATI <sup>®</sup> 718Plus <sup>TM</sup> during manual multi-pass TIG welding. <i>Procedia Manufacturing</i> , 2018, 25, 443-449.	1.9	2
18	A novel arc heat treatment technique for producing graded microstructures through controlled temperature gradients. <i>Materials and Design</i> , 2017, 121, 11-23.	7.0	19

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19	Effect of multipass TIG welding on the corrosion resistance and microstructure of a super duplex stainless steel. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017, 68, 405-415.	1.5	29
20	Effect of HFMI treatment procedure on weld toe geometry and fatigue properties of high strength steel welds. <i>Procedia Structural Integrity</i> , 2016, 2, 3483-3490.	0.8	8
21	Influence of multiple thermal cycles on microstructure of heat-affected zone in TIG-welded super duplex stainless steel. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2016, 60, 233-245.	2.5	45
22	A critical analysis of weld heat input measurement through a water-cooled stationary anode calorimeter. <i>Science and Technology of Welding and Joining</i> , 2016, 21, 339-350.	3.1	11
23	Nitrogen loss and effects on microstructure in multipass TIG welding of a super duplex stainless steel. <i>Materials and Design</i> , 2016, 98, 88-97.	7.0	105
24	Towards a Map of Solidification Cracking Risk in Laser Welding of Austenitic Stainless Steels. <i>Physics Procedia</i> , 2015, 78, 230-239.	1.2	10
25	Effect of welding position on properties of duplex and superduplex stainless steel circumferential welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2015, 59, 693-703.	2.5	8
26	Effect of shielding gas on welding performance and properties of duplex and superduplex stainless steel welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2015, 59, 239-249.	2.5	37