

# Jari Larkiola

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11132258/publications.pdf>

Version: 2024-02-01

19  
papers

175  
citations

1163117

8  
h-index

1199594

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

118  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Mechanical properties and microstructural evaluation of the heat-affected zone in ultra-high strength steels. <i>Thin-Walled Structures</i> , 2020, 157, 107072.   | 5.3 | 42        |
| 2  | Weldability of cold-formed high strength and ultra-high strength steels. <i>Journal of Constructional Steel Research</i> , 2019, 158, 86-98.   | 3.9 | 20        |
| 3  | Effect of enhanced cooling on mechanical properties of a multipass welded martensitic steel. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2019, 63, 637-646.  | 2.5 | 15        |
| 4  | Simulation of bainite and martensite formation using a novel cellular automata method. <i>Procedia Manufacturing</i> , 2018, 15, 1856-1863.  | 1.9 | 14        |
| 5  | Computer simulations of austenite decomposition of hot formed steels during cooling. <i>Procedia Manufacturing</i> , 2018, 15, 1864-1871.  | 1.9 | 12        |
| 6  | Coupled heat transfer and phase transformations of dual-phase steel in coil cooling. <i>Materials Today Communications</i> , 2021, 26, 101973.   | 1.9 | 12        |
| 7  | Coupled multiscale and multiphysical analysis of hot steel strip mill and microstructure formation during water cooling. <i>Procedia Manufacturing</i> , 2018, 15, 65-71.  | 1.9 | 11        |
| 8  | Computer simulations of austenite decomposition of microalloyed 700â€¦MPa steel during cooling. <i>AIP Conference Proceedings</i> , 2018, , .  | 0.4 | 9         |
| 9  | Effect of forced cooling on the tensile properties and impact toughness of the coarse-grained heat-affected zone of a high-strength structural steel. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2018, 62, 79-85. | 2.5 | 8         |
| 10 | Multiphysical FE-analysis of a front-end bending phenomenon in a hot strip mill. <i>AIP Conference Proceedings</i> , 2018, , .   | 0.4 | 6         |
| 11 | Effect of forced cooling after welding on CGHAZ mechanical properties of a martensitic steel. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2018, 62, 1247-1254.   | 2.5 | 5         |
| 12 | Experimental determination of heat transfer coefficients in roll bite and air cooling for computer simulations of 1100â€¦MPa carbon steel rolling. <i>AIP Conference Proceedings</i> , 2018, , .                               | 0.4 | 5         |
| 13 | The effect of internal contact pressure on thermal contact conductance during coil cooling. <i>Procedia Manufacturing</i> , 2020, 50, 418-424.   | 1.9 | 5         |
| 14 | Determination of effective heat transfer coefficient for water spray cooling of steel. <i>Procedia Manufacturing</i> , 2020, 50, 488-491.  | 1.9 | 4         |
| 15 | Influence of radiant heating on air bending. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 1421-1429.  | 3.0 | 2         |
| 16 | Application of Image Analysis Method Combined with Microhardness Measurement to Determine Phase Fractions. <i>Materials Science Forum</i> , 0, 1016, 1153-1158.  | 0.3 | 2         |
| 17 | A New Method Predicting Contact Length and Flattening in Temper Rolling. <i>Key Engineering Materials</i> , 2016, 716, 605-613.  | 0.4 | 1         |
| 18 | Effect of Heat Sinks on Cooling Time to Weld Interpass Temperature. <i>MATEC Web of Conferences</i> , 2019, 269, 01007.  | 0.2 | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Effect of enhanced weld cooling on the mechanical properties of a structural steel with a yield strength of 700MPa. SN Applied Sciences, 2020, 2, 1. | 2.9 | 1         |