

Jari Larkiola

List of Publications by Year in descending order

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19
papers

175
citations

1163117

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12
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19
docs citations

19
times ranked

118
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled heat transfer and phase transformations of dual-phase steel in coil cooling. <i>Materials Today Communications</i> , 2021, 26, 101973.	1.9	12
2	Effect of enhanced weld cooling on the mechanical properties of a structural steel with a yield strength of 700MPa. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	1
3	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
4	The effect of internal contact pressure on thermal contact conductance during coil cooling. <i>Procedia Manufacturing</i> , 2020, 50, 418-424.	1.9	5
5	Determination of effective heat transfer coefficient for water spray cooling of steel. <i>Procedia Manufacturing</i> , 2020, 50, 488-491.	1.9	4
6	Effect of Heat Sinks on Cooling Time to Weld Interpass Temperature. <i>MATEC Web of Conferences</i> , 2019, 269, 01007.	0.2	1
7	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
8	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
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	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
11	Simulation of bainite and martensite formation using a novel cellular automata method. <i>Procedia Manufacturing</i> , 2018, 15, 1856-1863.	1.9	14
12	Computer simulations of austenite decomposition of hot formed steels during cooling. <i>Procedia Manufacturing</i> , 2018, 15, 1864-1871.	1.9	12
13	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
14	Multiphysical FE-analysis of a front-end bending phenomenon in a hot strip mill. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	6
15	Computer simulations of austenite decomposition of microalloyed 700MPa steel during cooling. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	9
16	Influence of radiant heating on air bending. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 97, 1421-1429.	3.0	2
17	Experimental determination of heat transfer coefficients in roll bite and air cooling for computer simulations of 1100MPa carbon steel rolling. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5
18	A New Method Predicting Contact Length and Flattening in Temper Rolling. <i>Key Engineering Materials</i> , 2016, 716, 605-613.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Application of Image Analysis Method Combined with Microhardness Measurement to Determine Phase Fractions. Materials Science Forum, 0, 1016, 1153-1158.	0.3	2