

Denis Thibault

List of Publications by Year in descending order

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Residual stress and microstructure in welds of 13%Cr-4%Ni martensitic stainless steel. <i>Journal of Materials Processing Technology</i> , 2009, 209, 2195-2202.	6.3	99
2	Residual stress characterization in low transformation temperature 13%Cr-4%Ni stainless steel weld by neutron diffraction and the contour method. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 6205-6210.	5.6	78
3	A probabilistic model for the onset of High Cycle Fatigue (HCF) crack propagation: Application to hydroelectric turbine runner. <i>International Journal of Fatigue</i> , 2013, 47, 300-307.	5.7	43
4	Reformed austenite transformation during fatigue crack propagation of 13%Cr-4%Ni stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 6519-6526.	5.6	30
5	Microstructure characterization and hardness distribution of 13Cr4Ni multipass weld metal. <i>Materials Characterization</i> , 2016, 111, 128-136.	4.4	30
6	Influence of load spectrum assumptions on the expected reliability of hydroelectric turbines: A case study. <i>Structural Safety</i> , 2014, 50, 1-8.	5.3	27
7	A Comparison of Residual Stress in Hammer-Peened, Multi-Pass Steel Welds - A514 (S690Q) and S41500. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2009, 53, R124-R134.	2.5	16
8	An Open-Source Engine for the Processing of Electron Backscatter Patterns: EBSD-Image. <i>Microscopy and Microanalysis</i> , 2011, 17, 374-385.	0.4	15
9	On the Fatigue Reliability of Hydroelectric Francis Runners. <i>Procedia Engineering</i> , 2013, 66, 565-574.	1.2	14
10	Microstructure Characterization of Single and Multipass 13Cr4Ni Steel Welded Joints. <i>Metallography, Microstructure, and Analysis</i> , 2015, 4, 207-218.	1.0	14
11	Effect of inclusions on fracture behavior of cast and wrought 13% Cr-4% Ni martensitic stainless steels. <i>Engineering Fracture Mechanics</i> , 2017, 175, 262-278.	4.3	13
12	The effect of materials properties on the reliability of hydraulic turbine runners. <i>International Journal of Fluid Machinery and Systems</i> , 2015, 8, 254-263.	0.2	12
13	On the stochastic simulation of hydroelectric turbine blades transient response. <i>Mechanical Systems and Signal Processing</i> , 2012, 32, 178-187.	8.0	10
14	Macro-defects characterization in cast CA-6NM martensitic stainless steel. <i>Materials Characterization</i> , 2017, 124, 31-39.	4.4	10
15	Effects of Various Post-Weld Heat Treatments on Austenite and Carbide Formation in a 13Cr4Ni Steel Multipass Weld. <i>Metallography, Microstructure, and Analysis</i> , 2016, 5, 50-61.	1.0	8
16	Assessment of cold cracking tests for low transformation temperature martensitic stainless steel multipass welds. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2015, 59, 521-532.	2.5	7
17	Shielding Gas and Inclusion Content Effects on Impact Toughness and Tensile Properties of 410NiMo Steel Welds. <i>Welding Journal</i> , 2021, 100, 52-62.	1.7	6
18	Methodology for estimating strain gauge measurement biases and uncertainties on isotropic materials. <i>Journal of Strain Analysis for Engineering Design</i> , 2015, 50, 40-50.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Ni and Mn enrichment effects on reformed austenite: thermodynamical and low cycle fatigue stability of 13%Cr-4%Ni and 13%Cr-6%Ni stainless steels. SN Applied Sciences, 2020, 2, 1.	2.9	5
20	Hydraulic Runner Design Method for Lifetime. International Journal of Fluid Machinery and Systems, 2010, 3, 301-308.	0.2	5
21	Capability of Advanced Ultrasonic Inspection Technologies for Hydraulic Turbine Runners. Applied Sciences (Switzerland), 2021, 11, 4681.	2.5	4
22	Response Spectra and Expected Fatigue Reliability: A Look at Hydroelectric Turbines Behavior. Procedia Engineering, 2015, 133, 613-621.	1.2	2
23	An Experimental Comparison of Weld-Induced Residual Stresses Using Different Stainless Steel Filler Metals Commonly Used for Hydraulic Turbines Manufacturing and Repair. Materials Science Forum, 2013, 768-769, 628-635.	0.3	1
24	On the Expected Monetary Value of Hydroelectric Turbine Start-up Protocol Optimisation. Lecture Notes in Mechanical Engineering, 2020, , 209-216.	0.4	1
25	Evaluation of Strategies to Increase the Spatial Resolution of X-Ray Mapping in the FE-SEM of Low Concentration in Sub-Micron microstructures. Microscopy and Microanalysis, 2009, 15, 480-481.	0.4	0
26	Evaluation of Electron Beam Welded AISI 415 Stainless Steel. , 2014, , .		0
27	On the Comparison of Hydroelectric Runner Fatigue Failure Risk Based on Site Measurements. IOP Conference Series: Earth and Environmental Science, 2021, 774, 012126.	0.3	0