

# Shotaro Yamashita

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	In-situ Temperature Measurement using a Multi-sensor Camera during Laser Welding. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 93s-97s.	0.5	12
2	Investigation of Standardizing for Evaluation Method of Transverse Vareststraint Test. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2019, 37, 200-207.	0.5	11
3	Quantitative evaluation of augmented strain at the weld metal during the Trans-Vareststraint test. Welding in the World, Le Soudage Dans Le Monde, 2021, 65, 2013-2021.	2.5	9
4	Hot Cracking Susceptibility of Commercial Filler Metals for Alloy 617 by Vareststraint Test. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2020, 38, 1-10.	0.5	9
5	Dissimilar laser brazing of aluminum alloy and galvanized steel and defect control using interlayer. Welding in the World, Le Soudage Dans Le Monde, 2020, 64, 697-706.	2.5	8
6	In-situ Temperature Measurement using Monochrome High-speed Sensors during Laser Welding. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2013, 31, 78s-81s.	0.5	7
7	Relationship between ferrite-austenite phase transformation and precipitation behavior of sigma phase in super duplex stainless steel weldment. Welding in the World, Le Soudage Dans Le Monde, 2022, 66, 351-362.	2.5	7
8	Interpretation and Metallurgical Modeling of Hot Ductility Curve for Solidification Cracking. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2020, 38, 275-290.	0.5	6
9	Effect of Solute Elements on Solidification Cracking Susceptibility of Carbon Steel. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2020, 38, 316-324.	0.5	6
10	Prediction of solidification cracking during arc welding of 310S stainless steel in U-type hot cracking test. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2020, 38, 68-75.	0.5	5
11	Computer prediction of $\delta/\gamma$ phase fraction in multi-pass weld of duplex stainless steel and microstructural improvement welding process. Materials and Design, 2020, 196, 109154.	7.0	4
12	Suppression of solidification cracking via thermal strain control in multi-beam welding. Materials Today Communications, 2020, 24, 101094.	1.9	4
13	Establishment of a theoretical model based on the phase-field method for predicting the $\delta$ phase precipitation in Fe-Cr-Ni ternary alloys. Materials Today Communications, 2021, 26, 101932.	1.9	4
14	Interpretation of evaluation indices based on solidification cracking behavior by in situ observation in Trans-Vareststraint test. Welding in the World, Le Soudage Dans Le Monde, 2022, 66, 341-349.	2.5	4
15	Relationship Between Grain Refinement in Weld Metal of Type 310S Stainless Steel and Welding Conditions and Mechanical Properties. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 6-12.	0.5	3
16	Solidification cracking prevention by thermal strain control via water-cooled gas tungsten arc welding. Materials Today Communications, 2020, 23, 101109.	1.9	3
17	Effect of welding condition on solidification cracking behaviour in austenitic stainless steel. Science and Technology of Welding and Joining, 2021, 26, 84-90.	3.1	3
18	Investigation of standardizing for evaluation method of transverse-Vareststraint test. Welding International, 2019, 33, 189-199.	0.7	3

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19	Effect of Impurity Elements on Solidification Cracking Susceptibility of High Manganese Austenitic Steel. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2020, 38, 306-315.	0.5	3
20	Elucidation of Grain Refinement Mechanism in Weld Metal of Type 310S Stainless Steel. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 36-44.	0.5	2
21	Effect of Heating Rate on Grain Refinement in Weld Metal of Type 430 Stainless Steel. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 51-56.	0.5	2
22	Hot cracking susceptibility of commercial filler metals for Alloy 617 by Vareststraint test. Study of hot cracking of Alloy 617 in multipass welds. Welding International, 2019, 33, 166-178.	0.7	2
23	Characterization of Hot Cracking in Multi-Pass Weld Metal of High Manganese Austenitic Steel. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2020, 38, 297-305.	0.5	2
24	Hot Cracking Susceptibility and Solidification Segregation Analysis by Computer Simulation in Duplex Stainless Steels. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2020, 38, 76-84.	0.5	2
25	Characterization of hot cracking in multi-pass weld metal of high manganese austenitic steel. Welding International, 2020, 34, 388-398.	0.7	2
26	Dominant factors of cryogenic toughness of heat-affected zone of welding in high Mn austenitic steel. Welding International, 2020, 34, 335-348.	0.7	2
27	Effect of Wire Feeding Conditions on Grain Refinement in Weld Metal of Type 310S Stainless Steel. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 45-50.	0.5	1
28	Theoretical phase-field-method-based model of the $\delta$ phase dissolution of base metals in duplex stainless steels. Materials Today Communications, 2021, 26, 102150.	1.9	1
29	Effect of heat dissipation on solidification cracking behaviour of austenitic stainless steel during gas tungsten arc welding. Science and Technology of Welding and Joining, 2021, 26, 455-460.	3.1	1
30	Prediction of reversible $\delta/\delta$ phase transformation in multi-pass weld of Fe-Cr-Ni ternary alloy by phase-field method. Journal of Advanced Joining Processes, 2021, 4, 100067.	2.7	1
31	Effect of Alloying Elements on Solidification Cracking Susceptibility of High Manganese Austenitic Steel. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2021, 39, 87-96.	0.5	1
32	Interpretation and metallurgical modelling of hot ductility curve for solidification cracking. Welding International, 2020, 34, 405-424.	0.7	1
33	Influence Mechanism of Solidification Mode on Solidification Cracking Susceptibility of Stainless Steels. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2022, 40, 67-76.	0.5	1
34	Computer Prediction of Phase Fraction in Multipass Weld of Duplex Stainless Steel - Proposal of Microstructural Improvement Welding Process -. Materials Science Forum, 0, 1016, 206-212.	0.3	0
35	Egg of Welding. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2016, 85, 235-237.	0.1	0
36	Report of Attendance at IIW2019. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2019, 88, 624-626.	0.1	0

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37	Hot cracking susceptibility and solidification segregation analysis by computer simulation in duplex stainless steels. <i>Welding International</i> , 2019, 33, 231-240.	0.7	0
38	Change in Charpy Impact Toughness and Carbide Precipitation after Aging Heat Treatment of High Mn Austenitic Steel. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 199-210.	0.5	0
39	Dominant Factors of Cryogenic Toughness of Heat Affected Zone of Welding in High Mn Austenitic Steel. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 211-221.	0.5	0
40	Participation Report of the 5th IIW Young Professionals International Conference 2019 (YPIC 2019). <i>Yosetsu Gakkai Shi/Journal of the Japan Welding Society</i> , 2020, 89, 504-506.	0.1	0
41	Change in Charpy impact toughness and carbide precipitation after ageing heat treatment of high Mn austenitic steel. <i>Welding International</i> , 2020, 34, 314-328.	0.7	0