

# Shotaro Yamashita

## List of Publications by Year in descending order

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41  
papers

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citations

1478505

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Interpretation of evaluation indices based on solidification cracking behavior by in situ observation in Trans-Varestraint test. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 341-349.	2.5	4
2	Relationship between ferrite-austenite phase transformation and precipitation behavior of sigma phase in super duplex stainless steel weldment. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2022, 66, 351-362.	2.5	7
3	Influence Mechanism of Solidification Mode on Solidification Cracking Susceptibility of Stainless Steels. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2022, 40, 67-76.	0.5	1
4	Effect of welding condition on solidification cracking behaviour in austenitic stainless steel. <i>Science and Technology of Welding and Joining</i> , 2021, 26, 84-90.	3.1	3
5	Establishment of a theoretical model based on the phase-field method for predicting the $\hat{\Gamma}^3$ phase precipitation in Fe-Cr-Ni ternary alloys. <i>Materials Today Communications</i> , 2021, 26, 101932.	1.9	4
6	Theoretical phase-field-method-based model of the $\hat{\Gamma}^3$ phase dissolution of base metals in duplex stainless steels. <i>Materials Today Communications</i> , 2021, 26, 102150.	1.9	1
7	Effect of heat dissipation on solidification cracking behaviour of austenitic stainless steel during gas tungsten arc welding. <i>Science and Technology of Welding and Joining</i> , 2021, 26, 455-460.	3.1	1
8	Quantitative evaluation of augmented strain at the weld metal during the Trans-Varestraint test. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2021, 65, 2013-2021.	2.5	9
9	Prediction of reversible $\hat{\Gamma}^{\pm}/\hat{\Gamma}^3$ phase transformation in multi-pass weld of Fe-Cr-Ni ternary alloy by phase-field method. <i>Journal of Advanced Joining Processes</i> , 2021, 4, 100067.	2.7	1
10	Effect of Alloying Elements on Solidification Cracking Susceptibility of High Manganese Austenitic Steel. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2021, 39, 87-96.	0.5	1
11	Computer prediction of $\hat{\Gamma}^{\pm}/\hat{\Gamma}^3$ phase fraction in multi-pass weld of duplex stainless steel and microstructural improvement welding process. <i>Materials and Design</i> , 2020, 196, 109154.	7.0	4
12	Dissimilar laser brazing of aluminum alloy and galvanized steel and defect control using interlayer. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2020, 64, 697-706.	2.5	8
13	Solidification cracking prevention by thermal strain control via water-cooled gas tungsten arc welding. <i>Materials Today Communications</i> , 2020, 23, 101109.	1.9	3
14	Suppression of solidification cracking via thermal strain control in multi-beam welding. <i>Materials Today Communications</i> , 2020, 24, 101094.	1.9	4
15	Interpretation and Metallurgical Modeling of Hot Ductility Curve for Solidification Cracking. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 275-290.	0.5	6
16	Prediction of solidification cracking during arc welding of 310S stainless steel in U-type hot cracking test. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 68-75.	0.5	5
17	Characterization of Hot Cracking in Multi-Pass Weld Metal of High Manganese Austenitic Steel. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 297-305.	0.5	2
18	Hot Cracking Susceptibility and Solidification Segregation Analysis by Computer Simulation in Duplex Stainless Steels. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 76-84.	0.5	2

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19	Characterization of hot cracking in multi-pass weld metal of high manganese austenitic steel. <i>Welding International</i> , 2020, 34, 388-398.	0.7	2
20	Interpretation and metallurgical modelling of hot ductility curve for solidification cracking. <i>Welding International</i> , 2020, 34, 405-424.	0.7	1
21	Effect of Solute Elements on Solidification Cracking Susceptibility of Carbon Steel. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 316-324.	0.5	6
22	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
23	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
24	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
25	Hot Cracking Susceptibility of Commercial Filler Metals for Alloy 617 by Varestraint Test. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 1-10.	0.5	9
26	Effect of Impurity Elements on Solidification Cracking Susceptibility of High Manganese Austenitic Steel. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2020, 38, 306-315.	0.5	3
27	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
28	Dominant factors of cryogenic toughness of heat-affected zone of welding in high Mn austenitic steel. <i>Welding International</i> , 2020, 34, 335-348.	0.7	2
29	Investigation of Standardizing for Evaluation Method of Transverse Varestraint Test. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2019, 37, 200-207.	0.5	11
30	Investigation of standardizing for evaluation method of transverse-Varestraint test. <i>Welding International</i> , 2019, 33, 189-199.	0.7	3
31	Report of Attendance at IIW2019. <i>Yosetsu Gakkai Shi/Journal of the Japan Welding Society</i> , 2019, 88, 624-626.	0.1	0
32	Hot cracking susceptibility of commercial filler metals for Alloy 617 by Varestraint test. Study of hot cracking of Alloy 617 in multipass welds. <i>Welding International</i> , 2019, 33, 166-178.	0.7	2
33	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
34	Relationship Between Grain Refinement in Weld Metal of Type 310S Stainless Steel and Welding Conditions and Mechanical Properties. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2017, 35, 6-12.	0.5	3
35	Effect of Wire Feeding Conditions on Grain Refinement in Weld Metal of Type 310S Stainless Steel. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2017, 35, 45-50.	0.5	1
36	Elucidation of Grain Refinement Mechanism in Weld Metal of Type 310S Stainless Steel. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2017, 35, 36-44.	0.5	2

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37	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
38	Egg of Welding. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2016, 85, 235-237.	0.1	0
39	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
40	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
41	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