

Kenji Shinozaki

List of Publications by Year in descending order

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Version: 2024-02-01

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citations

430874

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72
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72
docs citations

72
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Butt Joint Produced by a Hot-Wire CO2 Arc Welding Method. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2021, 39, 96-103.	0.5	4
2	Hot Cracking. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2020, 89, 140-147.	0.1	0
3	Ductility-dip cracking susceptibility in dissimilar weld metals of alloy 690 filler metal and low alloy steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 756, 92-97.	5.6	5
4	Melting by Reflected Laser Beam during Vertical Welding via Hot-Wire Laser Welding. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2019, 37, 208-214.	0.5	1
5	Optimization of Laser-Irradiating Conditions for Vertical Welding on Thick Steel Plate using Hot-Wire Laser-Welding Method. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2019, 37, 187-192.	0.5	1
6	Sheet gap control by laser preheating before laser welding on lap joint of galvanized steel sheets and its effect on weldability. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2018, 36, 199-205.	0.5	0
7	Development of 25%Cr SMAW welding materials “development of high Cr ferritic overlay welding materials for recovery boiler. Welding International, 2018, 32, 321-327.	0.7	2
8	Effect of Chemical Composition on Susceptibility to Weld Solidification Cracking in Austenitic Weld Metal. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 5860-5869.	2.2	18
9	A Study on the Fatigue Strength of Welded Joints of Duplex Stainless-Clad Steel Plates for Application in Chemical Tankers. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 1WL-3WL.	0.5	2
10	Prediction of Residual Liquid Distribution of Austenitic Stainless Steel during Laser Beam Welding Using Multi-Phase Field Modeling. ISIJ International, 2017, 57, 139-147.	1.4	6
11	Development of 25%Cr GMAW Welding Materials. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 1-5.	0.5	1
12	Hot-wire Laser Brazing Technology for Steel / Aluminum Alloy Dissimilar Joint. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 155s-159s.	0.5	6
13	Strength evaluation of Ni-base alloy overlay welding tubes for the coal-fired boiler furnace. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2017, 35, 129-134.	0.5	1
14	Evaluation of Solidification Cracking Susceptibility for Austenitic Stainless Steel during Laser Trans-Varestraint Test Using Two-dimensional Temperature Measurement. ISIJ International, 2016, 56, 2022-2028.	1.4	21
15	Development of 25%Cr SMAW Welding Materials. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2016, 34, 175-180.	0.5	1
16	New measurement technique of ductility curve for ductility-dip cracking susceptibility in Alloy 690 welds. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 672, 59-64.	5.6	5
17	Crack repair welding by CMT brazing using low melting point filler wire for long-term used steam turbine cases of Cr-Mo-V cast steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 666, 11-18.	5.6	15
18	Development of Vertical Welding Technology for Thick Steel Plate using Hot-wire Laser Welding Method. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2016, 85, 282-286.	0.1	0

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19	Heterogeneous Precipitation and Mechanical Property Change by Heat Treatments for the Laser Weldments of V-4Cr-4Ti Alloy. Plasma and Fusion Research, 2015, 10, 1405092-1405092.	0.7	4
20	Welding Phenomena during Vertical Welding on Thick Steel Plate using Hot-wire Laser Welding Method. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 143s-147s.	0.5	8
21	Investigation of Evaluation Method for Hot Cracking Susceptibility of 310S Stainless Steel during Laser Welding using Trans-Varestraint Test. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 39s-43s.	0.5	16
22	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
23	Assessment of cold cracking tests for low transformation temperature martensitic stainless steel multipass welds. Welding in the World, Le Soudage Dans Le Monde, 2015, 59, 521-532.	2.5	7
24	Oblique laser irradiation technique for vertical welding of thick steel plates employing hot-wire laser welding. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2015, 33, 326-331.	0.5	5
25	<i>In Situ</i> Observation Method for Quantitative Evaluation of Solidification Phenomena and Solidification Cracks during Welding. Materials Science Forum, 2014, 782, 3-7.	0.3	0
26	Solidification cracking susceptibility of modified 9Cr1Mo steel weld metal during hot-wire laser welding with a narrow gap groove. Welding in the World, Le Soudage Dans Le Monde, 2014, 58, 469-476.	2.5	17
27	Development of a highly efficient hot-wire laser hybrid process for narrow-gap weldingâledquo welding phenomena and their adequate conditions. Welding in the World, Le Soudage Dans Le Monde, 2013, 57, 607-613.	2.5	32
28	The effect of welding conditions on solidification cracking susceptibility of type 310S stainless steel during laser welding using an in-situ observation technique. Welding in the World, Le Soudage Dans Le Monde, 2013, 57, 383.	2.5	25
29	Impact property of low-activation vanadium alloy after laser welding and heavy neutron irradiation. Journal of Nuclear Materials, 2013, 442, S364-S369.	2.7	10
30	Neutron-induced ⁶³ Ni activity and microscopic observation of copper samples exposed to the Hiroshima atomic bomb. Nuclear Instruments & Methods in Physics Research B, 2013, 302, 1-8.	1.4	0
31	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
32	Development of a Heat Source Model for Narrow-gap Hot-wire Laser Welding. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2013, 31, 82s-85s.	0.5	2
33	Bead formation and wire temperature distribution during ULTRA-HIGH-SPEED GTA WELDING using pulse-heated hot-wire. Welding in the World, Le Soudage Dans Le Monde, 2011, 55, 12-18.	2.5	19
34	Development of Hot-wire Laser Welding Method for Lap Joint of Steel Sheet with Wide Gap. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2011, 29, 58s-61s.	0.5	17
35	Development of High-efficiency / High-quality Hot-wire Laser Fillet Welding Process. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2011, 29, 62s-65s.	0.5	19
36	Prediction of occurrence of solidification cracking in weld metal. Welding International, 2010, 24, 942-948.	0.7	9

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37	Experimental investigation of material flow during friction stir spot welding. Science and Technology of Welding and Joining, 2010, 15, 666-670.	3.1	24
38	Effect of microstructure on liquation cracking during AZ91 friction stir spot welding. Science and Technology of Welding and Joining, 2010, 15, 671-675.	3.1	5
39	Study on Solidification Cracking of Laser Dissimilar Welded Joints by using in-Situ Observation and Numerical Simulation. Welding in the World, Le Soudage Dans Le Monde, 2010, 54, R257-R266.	2.5	4
40	Development of Remote Laser Welding Method Using Long Focal-Distance Lens for Automobile Galvannealed Steel. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2009, 27, 60s-63s.	0.5	2
41	In-situ Observation of Solidification Cracking of Laser Dissimilar Welded Joints. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2009, 27, 134s-138s.	0.5	11
42	Effect of grain refiner and grain size on the susceptibility of Al-Mg die casting alloy to cracking during solidification. Journal of Materials Processing Technology, 2009, 209, 210-219.	6.3	37
43	Precipitation and Cr depletion profiles of Inconel 182 during heat treatments and laser surface melting. Journal of Materials Processing Technology, 2009, 209, 416-425.	6.3	18
44	Influence of high temperature holding on tensile strength of PAN-based carbon fiber reinforced aluminum-magnesium alloy composites fabricated by ultrasonic infiltration method. Keikinzoku/Journal of Japan Institute of Light Metals, 2009, 59, 241-247.	0.4	2
45	Prediction of Solidification Cracking by In-situ Observation and 3D FEM-Analysis. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2009, 27, 139s-143s.	0.5	5
46	Fabrication process of carbon nanotube/light metal matrix composites by squeeze casting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 495, 282-287.	5.6	124
47	Cracking in dissimilar Mg alloy friction stir spot welds. Science and Technology of Welding and Joining, 2008, 13, 583-592.	3.1	30
48	Mechanism of cracking in AZ91 friction stir spot welds. Science and Technology of Welding and Joining, 2007, 12, 208-216.	3.1	33
49	Effect of acoustic cavitation on ease of infiltration of molten aluminum alloys into carbon fiber bundles using ultrasonic infiltration method. Composites Part A: Applied Science and Manufacturing, 2007, 38, 771-778.	7.6	43
50	Fabrication of continuous carbon fiber-reinforced aluminum-magnesium alloy composite wires using ultrasonic infiltration method. Composites Part A: Applied Science and Manufacturing, 2007, 38, 1902-1911.	7.6	73
51	Liquid Penetration Induced (LPI) Cracking in AZ91 Friction Stir Spot Welds. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2007, 25, 208-214.	0.5	5
52	Cracking in the stir zones of Mg-alloy friction stir spot welds. Journal of Materials Science, 2007, 42, 7657-7666.	3.7	42
53	Modeling of precipitation and Cr depletion profiles of Inconel 600 during heat treatments and LSM procedure. Journal of Alloys and Compounds, 2006, 419, 118-125.	5.5	12
54	Infiltration mechanism of molten aluminum alloys into bundle of carbon fibers using ultrasonic infiltration method. Keikinzoku/Journal of Japan Institute of Light Metals, 2006, 56, 226-232.	0.4	11

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55	Development in manufacturing of carbon fiber reinforced aluminum preform wires using ultrasonic infiltration method. Keikinzo/Journal of Japan Institute of Light Metals, 2006, 56, 28-33.	0.4	12
56	Effect of magnesium content on tensile strength of carbon-fiber-reinforced aluminum-magnesium alloy composite wires fabricated by ultrasonic infiltration method. Keikinzo/Journal of Japan Institute of Light Metals, 2006, 56, 105-111.	0.4	7
57	Stress corrosion cracking sealing in overlaying of Inconel 182 by laser surface melting. Journal of Materials Processing Technology, 2006, 173, 330-336.	6.3	21
58	Recovery of Hardness, Impact Properties and Microstructure of Neutron-Irradiated Weld Joint of a Fusion Candidate Vanadium Alloy. Materials Transactions, 2005, 46, 498-502.	1.2	18
59	Investigation of precipitation behavior in a weld deposit of 11Cr-2W ferritic steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2005, 36, 107-115.	2.2	16
60	Impact properties of NIFS-HEAT-2 (V ₄ Cr ₄ Ti) after YAG laser welding and neutron irradiation at 563 K. Journal of Nuclear Materials, 2004, 329-333, 1539-1543.	2.7	21
61	Effect of Thermal Residual Stress on Matrix Cracking Strain and Fracture Behavior of the Sintered SiC Fiber Reinforced SiO ₂ -Mullite Composites. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2004, 68, 172-180.	0.4	0
62	Fabrication Process and Evaluation of the Sintered SiC Fiber Reinforced SiO ₂ -Mullite Composites. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2004, 68, 162-171.	0.4	2
63	Mechanical Properties of Laser Weldment of V-4Cr-4Ti Alloy. Fusion Science and Technology, 2003, 44, 470-474.	1.1	12
64	Liquid zinc corrosion of steel welds. Science and Technology of Welding and Joining, 2002, 7, 397-402.	3.1	0
65	Analysis of Degradation of Creep Strength in Heat-affected Zone of Weldment of High Cr Heat-resisting Steels Based on Void Observation.. ISIJ International, 2002, 42, 1578-1584.	1.4	40
66	Consideration of the adhesion mechanism of Ti alloys using a cemented carbide tool during the cutting process. Journal of Materials Processing Technology, 2002, 127, 251-255.	6.3	31
67	Compacting Mechanism in High-Speed Centrifugal Compaction Process. (Part 1). Observation of Slips during Compaction.. Journal of the Ceramic Society of Japan, 2001, 109, 137-142.	1.3	8
68	Compacting Mechanism of High-Speed Centrifugal Compaction Process. Part 2. Quantitative Analysis of Falling Velocity of Particles and Compacting Velocity.. Journal of the Ceramic Society of Japan, 2001, 109, 248-253.	1.3	5
69	Fundamental Study on Adhesion Mechanism of Difficult-to-Machine Materials during Cutting. (1st) Tj ETQq1 1 0.784314 rgBT /Overl... the Japan Society for Precision Engineering, 2000, 66, 224-228.	0.1	8
70	Effect of Carbon Distribution on Copper-Growth of Fe-Cu-C Compacts. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1995, 59, 1165-1171.	0.4	1
71	Diffusion Bonding of Intermetallic Compound TiAl.. ISIJ International, 1991, 31, 1260-1266.	1.4	52
72	Additive manufacturing phenomena of various wires using a hot-wire and diode laser. Welding in the World, Le Soudage Dans Le Monde, 0, , 1.	2.5	2