

Makoto Hayashi

List of Publications by Year in descending order

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15
papers

107
citations

1478505

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1372567

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15
docs citations

15
times ranked

53
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Stress Intensity Factor due to Surface Crack Propagation in Residual Stress Fields Caused by Welding. JSME International Journal Series A-Solid Mechanics and Material Engineering, 2002, 45, 199-207.	0.4	23
2	Residual Stress Measurement in Socket Welded Joints by Neutron Diffraction.. Zairyo/Journal of the Society of Materials Science, Japan, 1995, 44, 1464-1469.	0.2	16
3	Effect of preliminary surface working on fatigue strength of type 304 stainless steel at ambient temperature and 288Å°C in air and pure water environment. International Journal of Fatigue, 2006, 28, 1626-1632.	5.7	12
4	X-Ray Study on Deformation and Fracture of Solid. Residual Stress Distribution in Carbon Steel Pipe Welded Joints Measured by Neutron Diffraction.. Zairyo/Journal of the Society of Materials Science, Japan, 1996, 45, 772-778.	0.2	10
5	High-Cycle Thermal Fatigue Crack Initiation and Growth Behavior in a Semi-Infinite Plate Model. Journal of Pressure Vessel Technology, Transactions of the ASME, 2001, 123, 305-309.	0.6	8
6	Residual Stresses Induced by Surface Working and Their Improvement by Emery Paper Polishing. Quantum Beam Science, 2020, 4, 21.	1.2	7
7	Residual Stress Distribution in Water Jet Peened Type 304 Stainless Steel. Quantum Beam Science, 2020, 4, 18.	1.2	6
8	X-Ray Study on Deformation and Fracture of Solid. Measurement of Texture and Elastic Constants of Zr-2.5%Nb Alloy by Neutron Diffraction.. Zairyo/Journal of the Society of Materials Science, Japan, 1997, 46, 743-749.	0.2	6
9	Neutron Diffraction Measurements of Residual Stresses in Engineering Materials and Components. Zairyo/Journal of the Society of Materials Science, Japan, 2002, 51, 165-174.	0.2	6
10	Residual Stress Measurements of Structural Components by Neutron Diffraction and Proposal Measurement Standard. Materials Science Forum, 2003, 426-432, 3969-3974.	0.3	5
11	Changes in Residual Stress in Worked Surface Layer of Type 304 Austenitic Stainless Steel Due to Tensile Deformation. Journal of Pressure Vessel Technology, Transactions of the ASME, 2001, 123, 130-134.	0.6	2
12	Effect of Miss-alignment on Residual Stress in Carbon Steel Socket Welded Joint. Zairyo/Journal of the Society of Materials Science, Japan, 2014, 63, 602-607.	0.2	2
13	Residual Stress Measurement in Aluminum Engine Block. Zairyo/Journal of the Society of Materials Science, Japan, 2011, 60, 624-629.	0.2	2
14	Development of Residual Stress Measurement Apparatus by Neutron Diffraction and Its Application to Bent Carbon Steel. Zairyo/Journal of the Society of Materials Science, Japan, 2021, 70, 353-360.	0.2	1
15	Life Diagnostic System for Boiler Feed Water Pump Shafts in Fossil Fuel Power Plants.. Zairyo/Journal of the Society of Materials Science, Japan, 1994, 43, 107-113.	0.2	1