Harumichi Sato

List of Publications by Year
in descending order

25	258	1163117 8	940533 16
papers	citations	h-index	g-index

26	26	26	183
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-Speed Optical Microscanner Driven with Resonation of Lam Waves Using Pb(Zr,Ti)O3Thick Films Formed by Aerosol Deposition. Japanese Journal of Applied Physics, 2005, 44, 7072-7077.	1.5	60
2	High-speed metal-based optical microscanners using stainless-steel substrate and piezoelectric thick films prepared by aerosol deposition method. Sensors and Actuators A: Physical, 2007, 135, 86-91.	4.1	49
3	Theoretical and Experimental Investigation of Propagation of Guide Waves in Cylindrical Pipe Filled with Fluid. Japanese Journal of Applied Physics, 2006, 45, 4573-4576.	1.5	21
4	Surface Acoustic Wave Velocity and Attenuation Dispersion Measurement by Phase Velocity Scanning of Laser Interference Fringes. Japanese Journal of Applied Physics, 1996, 35, 3062-3065.	1.5	19
5	Theoretical Investigation of Guide Wave Flowmeter. Japanese Journal of Applied Physics, 2007, 46, 4521.	1.5	12
6	Finite Element Method Analysis of Evaluation of Surface Micro Cracks Using Laser Ultrasound Generated by Phase Velocity Scanning Method. Japanese Journal of Applied Physics, 2003, 42, 3184-3188.	1.5	11
7	Evaluation of Surface Defects Using Surface Acoustic Waves Generated by Phase Velocity Scanning of Laser Interference Fringes. Japanese Journal of Applied Physics, 1996, 35, 3066-3069.	1.5	9
8	Evaluation of Standard Defects Using Surface Acoustic Waves Generated by Phase Velocity Scanning of Laser Interference Fringes. Japanese Journal of Applied Physics, 1997, 36, 3267-3269.	1.5	8
9	Advanced micromachine fabrication using ion implantation. Surface and Coatings Technology, 2000, 128-129, 71-75.	4.8	8
10	Titanium?Silicon?Nitrogen Composites with High Wear Resistance in Water and in Artificial Sea Water. Journal of the American Ceramic Society, 2002, 85, 2373-2375.	3.8	8
11	Analytical Method for Guided Waves Propagating in a Fluid-Filled Pipe with Attenuation. Japanese Journal of Applied Physics, 2013, 52, 07HC07.	1.5	8
12	Estimation of Elastic Constants from Surface Acoustic Wave Velocity by Inverse Analysis using the Downhill Simplex Method. Japanese Journal of Applied Physics, 1998, 37, 3116-3119.	1.5	7
13	Theoretical and Simulated Analysis of Guided Waves Propagating in Fluid-Filled Pipes. Japanese Journal of Applied Physics, 2010, 49, 07HC08.	1.5	6
14	Acoustic Imaging of Plate Thickness and Sound Velocity during Tensile Testing at Low Temperature. Japanese Journal of Applied Physics, 1994, 33, 6373-6378.	1.5	5
15	Piezoelectric Film Response Studied with Finite Element Method. Journal of the American Ceramic Society, 2006, 89, 3715-3720.	3.8	5
16	DC Arc Plasma Treatment for Defect Reduction in WC-Co Granulated Powder. Metals, 2020, 10, 975.	2.3	4
17	In Situ Observation of Sintered Iron and Carbon Steel Compacts Using a Low-Temperature Acoustic Microscope. Japanese Journal of Applied Physics, 1997, 36, 3260-3264.	1.5	3
18	Guided waves propagating in a water-filled stainless steel pipe. Japanese Journal of Applied Physics, 2014, 53, 07KC13.	1.5	3

#	Article	IF	Citations
19	Laser Ultrasonic Technique to Non-Destructively Detect Cracks on a Ni-Based Self-Fluxing Alloy Fabricated Using Directed Energy Deposition (DED). Materials Transactions, 2020, 61, 1994-2001.	1.2	3
20	Propagation characteristics of acoustic emission waves in liquid media in near-field. Precision Engineering, 2022, 77, 220-226.	3.4	3
21	Increasing the frequency of surface acoustic waves generated by phase velocity scanning of laser interference fringes. Review of Scientific Instruments, 1999, 70, 4435-4436.	1.3	2
22	Detection of Defects in Micro-Machine Elements by Using Acoustic Waves Generated by Phase Velocity Scanning of Laser Interference Fringes. Japanese Journal of Applied Physics, 2000, 39, 3093-3096.	1.5	2
23	Optical scanning devices based on PZT thick films formed by aerosol deposition method. , 2005, 6037, 474.		1
24	Laser-Anneal of Metal-Based Micro Optical Scanner Derived by Aerosol Deposition. Key Engineering Materials, 2008, 388, 195-198.	0.4	0
25	Acoustic Properties of a Metal Close to Its Melting Point, as Measured by Laser Ultrasonics. Materials Transactions, 2022, 63, 522-528.	1.2	0