

Hideaki Nozato

List of Publications by Year in descending order

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32
papers

452
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840776

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33
all docs

33
docs citations

33
times ranked

502
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise sinusoidal signal extraction from noisy waveform in vibration calibration. Metrologia, 2022, 59, 035010.	1.2	7
2	Primary calibration system for digital accelerometers. Metrologia, 2021, 58, 045002.	1.2	10
3	Calibration of laser Doppler vibrometer and laser interferometers in high-frequency regions using electro-optical modulator. Precision Engineering, 2021, 70, 135-144.	3.4	3
4	Vibration measurement without the Heydemann correction. Measurement: Sensors, 2021, 18, 100136.	1.7	2
5	Dependence of frequency response on different velocity sensitivities of laser Doppler vibrometer. Measurement: Sensors, 2021, 18, 100301.	1.7	3
6	An investigation into the influence of mass inertia using primary calibration of the back-to-back accelerometer by laser interferometry. Metrologia, 2019, 56, 065006.	1.2	9
7	A comparison of low-shock and centrifuge calibrations using piezoresistive accelerometers. Metrologia, 2018, 55, S13-S22.	1.2	3
8	Final report of the key comparison of APMP.AUV.V-K2. Metrologia, 2017, 54, 09004-09004.	1.2	0
9	Simple digital phase-measuring algorithm for low-noise heterodyne interferometry. Measurement Science and Technology, 2016, 27, 085001.	2.6	16
10	An enhanced primary shock calibration procedure to reduce the zero shift effect of piezoelectric transducers by using a virtual amplifier. Measurement Science and Technology, 2016, 27, 095007.	2.6	1
11	Angular velocity calibration system with a self-calibratable rotary encoder. Measurement: Journal of the International Measurement Confederation, 2016, 82, 246-253.	5.0	21
12	Improvement and validity of shock measurements using heterodyne laser interferometer. Measurement: Journal of the International Measurement Confederation, 2016, 77, 67-72.	5.0	13
13	Digital filter design with zero shift on charge amplifiers for low shock calibration. Measurement Science and Technology, 2014, 25, 035005.	2.6	5
14	Digital demodulator unit of laser vibrometer standard for in situ measurement. Acta IMEKO (2012), 2014, 2, 61.	0.7	2
15	A study of Savitzky-Golay filters for derivatives in primary shock calibration. Acta IMEKO (2012), 2014, 2, 41.	0.7	4
16	The methods for the calibration of vibration pick-ups by laser interferometry: part V. Uncertainty evaluation on the ratio of transducer's peak output value to peak input acceleration in shock calibration. Measurement Science and Technology, 2011, 22, 125109.	2.6	9
17	Correction and evaluation of the effect due to parasitic motion on primary accelerometer calibration. Measurement: Journal of the International Measurement Confederation, 2010, 43, 719-725.	5.0	6
18	Calibration of vibration pick-ups with laser interferometry: part IV. Development of a shock acceleration exciter and calibration system. Measurement Science and Technology, 2010, 21, 065107.	2.6	22

#	ARTICLE	IF	CITATIONS
19	On impurity handling in high performance stellarator/heliotron plasmas. Nuclear Fusion, 2009, 49, 065005.	3.5	54
20	Closed-Cycle Joule-Thomson Cryocooler for Resistance Thermometer Calibration down to 0.65K. International Journal of Thermophysics, 2008, 29, 42-50.	2.1	6
21	Preliminary implementation of primary calibration system for laser vibrometer. , 2006, 6345, 32.		2
22	Heating by an Electron Bernstein Wave in a Spherical Tokamak Plasma via Mode Conversion. Physical Review Letters, 2006, 96, 185003.	7.8	34
23	A dependence of carbon impurity transport coefficients on fuel ions in hydrogen and helium plasmas of Large Helical Device. Physics of Plasmas, 2006, 13, 092502.	1.9	17
24	Spectroscopic Studies on Impurity Transport of Core and Edge Plasmas in LHD. Plasma Science and Technology, 2006, 8, 55-60.	1.5	9
25	Evidence of Electron Bernstein Wave Heating on the TST-2 Spherical Tokamak. Journal of Plasma and Fusion Research, 2005, 81, 3-4.	0.4	4
26	Overview of confinement and MHD stability in the Large Helical Device. Nuclear Fusion, 2005, 45, S255-S265.	3.5	38
27	A new method on recycling coefficient measurement using impurity pellet injection in a large helical device. Review of Scientific Instruments, 2005, 76, 073503.	1.3	3
28	A study of charge dependence of particle transport using impurity pellet injection and high-spatial resolution bremsstrahlung measurement on the Large Helical Device. Physics of Plasmas, 2004, 11, 1920-1930.	1.9	39
29	Acceleration characteristics of spherical and nonspherical pellets by the LHD impurity pellet injector. Review of Scientific Instruments, 2003, 74, 2032-2035.	1.3	35
30	Formation of electron internal transport barrier and achievement of high ion temperature in Large Helical Device. Physics of Plasmas, 2003, 10, 1788-1795.	1.9	59
31	Increase of Central Ion Temperature after Carbon Pellet Injection in Ne-Seeded NBI Discharges of LHD. Journal of Plasma and Fusion Research, 2003, 79, 641-642.	0.4	8
32	Mechanism of Hydrogen Formation by Electrons in α - or β -irradiated Gaseous HCl. Journal of Chemical Physics, 1968, 48, 1235-1241.	3.0	8