Hideaki Nozato

List of Publications by Year
in descending order

32	452	840776 11	713466 21
papers	citations	h-index	g-index

33	33	33	502
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	On impurity handling in high performance stellarator/heliotron plasmas. Nuclear Fusion, 2009, 49, 065005.	3.5	54
3	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
4	Overview of confinement and MHD stability in the Large Helical Device. Nuclear Fusion, 2005, 45, S255-S265.	3.5	38
5	Acceleration characteristics of spherical and nonspherical pellets by the LHD impurity pellet injector. Review of Scientific Instruments, 2003, 74, 2032-2035.	1.3	35
6	Heating by an Electron Bernstein Wave in a Spherical Tokamak Plasma via Mode Conversion. Physical Review Letters, 2006, 96, 185003.	7.8	34
7	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
8	Angular velocity calibration system with a self-calibratable rotary encoder. Measurement: Journal of the International Measurement Confederation, 2016, 82, 246-253.	5.0	21
9	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
10	Simple digital phase-measuring algorithm for low-noise heterodyne interferometry. Measurement Science and Technology, 2016, 27, 085001.	2.6	16
11	Improvement and validity of shock measurements using heterodyne laser interferometer. Measurement: Journal of the International Measurement Confederation, 2016, 77, 67-72.	5.0	13
12	Primary calibration system for digital accelerometers. Metrologia, 2021, 58, 045002.	1.2	10
13	Spectroscopic Studies on Impurity Transport of Core and Edge Plasmas in LHD. Plasma Science and Technology, 2006, 8, 55-60.	1.5	9
14	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
15	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
16	Mechanism of Hydrogen Formation by Electrons in xâ€•or Î³â€Irradiated Gaseous HCl. Journal of Chemical Physics, 1968, 48, 1235-1241.	3.0	8
17	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
18	Precise sinusoidal signal extraction from noisy waveform in vibration calibration. Metrologia, 2022, 59, 035010.	1.2	7

#	Article	IF	Citations
19	Closed-Cycle Jouleâ€“Thomson Cryocooler for Resistance Thermometer Calibration down to 0.65K. International Journal of Thermophysics, 2008, 29, 42-50.	2.1	6
20	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
21	Digital filter design with zero shift on charge amplifiers for low shock calibration. Measurement Science and Technology, 2014, 25, 035005.	2.6	5
22	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
23	A study of Savitzky-Golay filters for derivatives in primary shock calibration. Acta IMEKO (2012), 2014, 2, 41.	0.7	4
24	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
25	A comparison of low-shock and centrifuge calibrations using piezoresistive accelerometers. Metrologia, 2018, 55, S13-S22.	1.2	3
26	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
27	Dependence of frequency response on different velocity sensitivities of laser Doppler vibrometer. Measurement: Sensors, 2021, 18, 100301.	1.7	3
28	Preliminary implementation of primary calibration system for laser vibrometer. , 2006, 6345, 32.		2
29	Vibration measurement without the Heydemann correction. Measurement: Sensors, 2021, 18, 100136.	1.7	2
30	Digital demodulator unit of laser vibrometer standard for in situ measurement. Acta IMEKO (2012), 2014, 2, 61.	0.7	2
31	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
32	Final report of the key comparison of APMP.AUV.V-K2. Metrologia, 2017, 54, 09004-09004.	1.2	0