

Toshiyuki Miyazaki

List of Publications by Year in descending order

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29
papers

619
citations

840776

11
h-index

713466

21
g-index

30
all docs

30
docs citations

30
times ranked

658
citing authors

#	ARTICLE	IF	CITATIONS
1	Flux-driven Josephson parametric amplifier. Applied Physics Letters, 2008, 93, .	3.3	306
2	High-resolution operation of frequency-multiplexed transition-edge photon sensors. Applied Physics Letters, 2002, 81, 159-161.	3.3	63
3	Demonstration of chip-to-chip transmission of single-flux-quantum pulses at throughputs beyond 100 Gbps. Applied Physics Letters, 2005, 87, 022502.	3.3	39
4	Implementation and Experimental Evaluation of a Cryocooled System Prototype for High-Throughput SFQ Digital Applications. IEEE Transactions on Applied Superconductivity, 2007, 17, 546-551.	1.7	28
5	X-ray stress measurement with two-dimensional detector based on Fourier analysis. International Journal of Materials Research, 2014, 105, 922-927.	0.3	21
6	Baseband Feedback Frequency-Division Multiplexing with Low-Power dc-SQUIDS and Digital Electronics for TES X-Ray Microcalorimeters. Journal of Low Temperature Physics, 2014, 176, 400-407.	1.4	16
7	Improvement of X-ray stress measurement from a Debye-Scherrer ring by oscillation of the X-ray incident angle. Powder Diffraction, 2015, 30, 250-255.	0.2	16
8	Transmission of single-flux-quantum pulse between superconductor chips. Applied Physics Letters, 2005, 86, 072502.	3.3	14
9	Development and Validation of an X-Ray Stress Measurement Device Using an Image Plate Suitable for the cos θ Method. Zairyo/Journal of the Society of Materials Science, Japan, 2015, 64, 560-566.	0.2	14
10	A comparison of X-ray stress measurement methods based on the fundamental equation. Journal of Applied Crystallography, 2016, 49, 426-432.	4.5	13
11	A frequency-domain read-out technique for large microcalorimeter arrays demonstrated using high-resolution I^3 -ray sensors. IEEE Transactions on Applied Superconductivity, 2003, 13, 643-648.	1.7	12
12	Improvement in X-ray stress measurement using Debye-Scherrer rings by in-plane averaging. Journal of Applied Crystallography, 2016, 49, 241-249.	4.5	12
13	Design of a multichannel ultra-high-resolution superconducting gamma-ray spectrometer. , 2004, , .		10
14	Noise analysis of gamma-ray TES microcalorimeters with a demonstrated energy resolution of 52 eV at 60 keV. IEEE Transactions on Applied Superconductivity, 2003, 13, 630-633.	1.7	8
15	X-ray stress measurement from an imperfect Debye-Scherrer ring. International Journal of Materials Research, 2015, 106, 237-241.	0.3	8
16	X-Ray Residual Stress Measurement of Austenitic Stainless Steel Based on Fourier Analysis. Nuclear Technology, 2016, 194, 111-116.	1.2	8
17	ASCA Observations of X-ray Emission from Ultra-luminous Infrared Galaxies. Astrophysics and Space Science, 1999, 266, 43-48.	1.4	6
18	Linearized analysis of X-ray stress measurement using the Debye-Scherrer ring. International Journal of Materials Research, 2015, 106, 1002-1004.	0.3	6

#	ARTICLE	IF	CITATIONS
19	X-ray Stress Measurement of Ferritic Steel Using Fourier Analysis of Debye-Scherrer Ring. Zairyo/Journal of the Society of Materials Science, Japan, 2015, 64, 567-572.	0.2	5
20	Superconductive Single-Flux-Quantum Circuit/System Technology and 40Gb/s Switch System Demonstration. , 2008, , .		4
21	<title>Development of a high-energy-resolution x-ray microcalorimeter using Ti/Au TES</title>. , 1999, 3893, 241.		2
22	Single Flux Quantum Circuit and Packaging Technology for Sub-Kelvin Temperature Operation. IEEE Transactions on Applied Superconductivity, 2007, 17, 967-970.	1.7	2
23	X-Ray Residual Stress Analysis of Nickel Base Alloys. Advanced Materials Research, 0, 922, 274-279.	0.3	2
24	ASCA observations of ultra luminous infrared galaxies " evolution from starburst to AGN ?. Astronomische Nachrichten, 1999, 320, 246-247.	1.2	1
25	<title>Improvements of an x-ray microcalorimeter for detecting cosmic rays</title>. , 2000, , .		1
26	Multipixel readout of TES calorimeters. , 2003, , .		1
27	Development of SFQ Multi-Chip Modules for Quantum Bits. IEEE Transactions on Applied Superconductivity, 2007, 17, 158-161.	1.7	1
28	Multiplexed readout of high energy resolution γ -ray calorimeters. Physica B: Condensed Matter, 2003, 329-333, 1623-1624.	2.7	0
29	Progress of RSFQ High Performance Packet Switch. Advances in Science and Technology, 2006, 47, 188.	0.2	0