

Takeshi Ohbuchi

List of Publications by Year in descending order

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27
papers

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citations

1478505

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g-index

27
all docs

27
docs citations

27
times ranked

57
citing authors

#	ARTICLE	IF	CITATIONS
1	A new design of a linear local-feedback MOS transconductor for low frequency applications. Analog Integrated Circuits and Signal Processing, 2013, 75, 257-266.	1.4	13
2	Design of a symmetry-type floating impedance scaling circuits for a fully differential filter. Analog Integrated Circuits and Signal Processing, 2015, 85, 253-261.	1.4	13
3	Design of a floating-type impedance scaling circuit for large capacitances. , 2013, , .		9
4	Indirect Measurement of Vibrating Surface of Ultrasonic Transducer Using Optical Computerized Tomography and Acoustical Holography. Japanese Journal of Applied Physics, 2007, 46, 4629.	1.5	8
5	Determination of Sound Velocity in Three-Dimensional Space by Optical Probe. Japanese Journal of Applied Physics, 2008, 47, 3959-3961.	1.5	8
6	Measurement of pressure amplitude of ultrasonic standing wave based on method of obtaining optical wavefront using phase retrieval. Japanese Journal of Applied Physics, 2014, 53, 07KE12.	1.5	8
7	Reconstruction of Three-Dimensional Sound Field from Two-Dimensional Sound Field Using Optical Computerized Tomography and Near-Field Acoustical Holography. Japanese Journal of Applied Physics, 2009, 48, 07GC03.	1.5	7
8	A low-power and low-Gm linear transconductor utilizing control of a threshold voltage. Analog Integrated Circuits and Signal Processing, 2015, 85, 263-273.	1.4	5
9	Measurement of Diffraction Pattern Using Two-Dimensional Image Sensor for Obtaining Instantaneous Diameter Distribution of Acoustic Cavitation Bubbles. Japanese Journal of Applied Physics, 2013, 52, 07HE15.	1.5	4
10	Experimental Study on Measurement of Acoustic Cavitation Bubbles in Spatial Frequency Domain Using Optical Spectrometer. Japanese Journal of Applied Physics, 2011, 50, 07HE05.	1.5	3
11	A novel design of local-feedback MOS transconductor using techniques for cancellation of mobility degradation and linearization of differential output current characteristic. Analog Integrated Circuits and Signal Processing, 2012, 72, 565-574.	1.4	3
12	A design of a low-transconductance linear transconductor utilizing body effect for low frequency applications. , 2013, , .		3
13	Study on offset reduction method for a fully differential filter employing symmetrical floating impedance scaling circuits. , 2016, , .		3
14	Estimation of Sound Velocity Distribution Using Sectional Near-Field Acoustical Holography and Global Search. Japanese Journal of Applied Physics, 2010, 49, 07HC06.	1.5	2
15	Evaluation of Acousto-Optic Effect on Size Distribution Measurement of Oscillating Cavitation Bubbles Using Optical Spectrometer. Japanese Journal of Applied Physics, 2012, 51, 07GD04.	1.5	2
16	A linear transconductor utilizing body transconductance for low-power and low frequency applications. , 2016, , .		2
17	Visualization of negative refraction in phononic crystal using pulsed light source. , 2009, , .		1
18	Phase Shift Keying Acoustic Communication in Air with Impulse Response. Japanese Journal of Applied Physics, 2009, 48, 07GB06.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Improvement technique of tuning range for local-feedback MOS transconductor. , 2017, , .		1
20	Evaluation of Acousto-Optic Effect on Size Distribution Measurement of Oscillating Cavitation Bubbles Using Optical Spectrometer. Japanese Journal of Applied Physics, 2012, 51, 07GD04.	1.5	1
21	Determination of sound velocity distribution using sectional near-field acoustical holography and simulated annealing. , 2009, , .		0
22	Temperature Distribution Estimated by Optimization and Near-Field Acoustical Holography. Materials Transactions, 2012, 53, 316-320.	1.2	0
23	Measurement of convergence ultrasound in cone-like bubble structure using light deflection method. , 2014, , .		0
24	A design method of low frequency universal filter employing MOCCIs. , 2017, , .		0
25	A Design of a Programmable Impedance Scaling Circuit for Low Frequency Applications. , 2018, , .		0
26	A Three-stage programmable impedance scaling circuit. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 988-995.	1.4	0
27	A Differential Input/Output Linear MOS Transconductor. IEICE Transactions on Electronics, 2011, E94-C, 1032-1041.	0.6	0