

Sougata Kar

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

122
citations

1684188

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1474206

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g-index

20
all docs

20
docs citations

20
times ranked

86
citing authors

#	ARTICLE	IF	CITATIONS
1	A Differential Output Interfacing ASIC for Integrated Capacitive Sensors. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 196-203.	4.7	26
2	Linearity improvement of source degenerated transconductance amplifiers. Analog Integrated Circuits and Signal Processing, 2013, 74, 399-407.	1.4	22
3	Systematic Development of Integrated Capacitance Measurement System With Sensitivity Tuning. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2738-2746.	4.7	19
4	A highly linear CMOS transconductance amplifier in 180Ånm process technology. Analog Integrated Circuits and Signal Processing, 2012, 72, 163-171.	1.4	15
5	Testing of MEMS capacitive accelerometer structure through electro-static actuation. Microsystem Technologies, 2013, 19, 79-87.	2.0	7
6	Effect of voltage induced electrostatic forces on MEMS capacitive accelerometer. , 2011, , .		6
7	A Low-Power Tunable Square-Wave Generator for Instrumentation Applications. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5051-5057.	4.7	5
8	On-Chip Implementable Autocalibration of Sensor Offset for Differential Capacitive Sensor Interfaces. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	5
9	Development and Performance Analysis of a Low Cost Experimental Set Up for Piezoelectric Based Energy Harvester Using Loudspeaker. , 2018, , .		4
10	A Differential Output Switched Capacitor based Capacitive Sensor Interfacing Circuit. , 2018, , .		3
11	A 200 $\frac{1}{4}$ $\frac{g}{\hat{s}}$ Hz, 2.7 milli-g Offset Differential Interface for Capacitive Micro Accelerometer. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1753-1757.	3.0	3
12	Design and analysis of signal conditioning circuit for capacitive sensor interfacing. , 2017, , .		2
13	Design methodology of closed loop MEMS capacitive accelerometers based on $\hat{\epsilon}$ modulation technique. , 2016, , .		1
14	A low power square-wave generator with wide tuning range for instrumentation applications. , 2017, , .		1
15	A 1.8 V 330 $\hat{\mu}$ W Tunable Waveform Generator for Sensor and Instrumentation Applications. , 2018, , .		1
16	A Low Offset Switched Capacitor based Interfacing Circuit for Integrated Capacitive Sensors. , 2018, , .		1
17	Low offset differential output switched capacitor interface for micro capacitive acceleration sensors. IET Science, Measurement and Technology, 2021, 15, 279-291.	1.6	1
18	Design, integration and performance analysis of $\hat{\epsilon}$ ADC for capacitive sensor interfacing. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	A Closed-loop CMOS Interface for $\hat{\pm}1g$ MEMS Capacitive Accelerometer. , 2018, , .		0
20	A $26\hat{\mu}W$ area efficient bio-potential acquisition system with feed-forward DC offset cancellation. AEU - International Journal of Electronics and Communications, 2021, 136, 153754.	2.9	0