Sougata Kar

List of Publications by Year
in descending order

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20 papers	122 citations	1684188 5 h-index	1474206 9 g-index
20 all docs	20 docs citations	20 times ranked	86 citing authors

#	Article	IF	Citations
1	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
2	Lowâ€offset differential output switchedâ€capacitor interface for microâ€capacitive acceleration sensors. IET Science, Measurement and Technology, 2021, 15, 279-291.	1.6	1
3	A 200 Î¼g/â^šHz, 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
4	A 26ÂÎ¼W 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
5	A Low-Power Tunable Square-Wave Generator for Instrumentation Applications. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 5051-5057.	4.7	5
6	A Differential Output Interfacing ASIC for Integrated Capacitive Sensors. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 196-203.	4.7	26
7	A Differential Output Switched Capacitor based Capacitive Sensor Interfacing Circuit. , 2018, , .		3
8	A Closed-loop CMOS Interface for Â±1g MEMS Capacitive Accelerometer. , 2018, , .		0
9	Development and Performance Analysis of a Low Cost Experimental Set Up for Piezoelectric Based Energy Harvester Using Loudspeaker. , 2018, , .		4
10	A 1.8 V 330 ÂµW Tunable Waveform Generator for Sensor and Instrumentation Applications. , 2018, , .		1
11	A Low Offset Switched Capacitor based Interfacing Circuit for Integrated Capacitive Sensors. , 2018, , .		1
12	Design and analysis of signal conditioning circuit for capacitive sensor interfacing. , 2017, , .		2
13	A low power square-wave generator with wide tuning range for instrumentation applications. , 2017, , .		1
14	Design methodology of closed loop MEMS capacitive accelerometers based on Î£Î” modulation technique. , 2016, , .		1
15	Design, integration and performance analysis of Î£Î” ADC for capacitive sensor interfacing. , 2016, , .		0
16	Systematic Development of Integrated Capacitance Measurement System With Sensitivity Tuning. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2738-2746.	4.7	19
17	Linearity improvement of source degenerated transconductance amplifiers. Analog Integrated Circuits and Signal Processing, 2013, 74, 399-407.	1.4	22
18	Testing of MEMS capacitive accelerometer structure through electro-static actuation. Microsystem Technologies, 2013, 19, 79-87.	2.0	7

#	Article	IF	Citations
19	A highly linear CMOS transconductance amplifier in 180Ânm process technology. Analog Integrated Circuits and Signal Processing, 2012, 72, 163-171.	1.4	15
20	Effect of voltage induced electrostatic forces on MEMS capacitive accelerometer. , 2011, , .		6