Alexander Buhmann

List of Publications by Year
in descending order

17	253	1684188 5	1372567 10
papers	citations	h-index	g-index

17	17	17	162
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Comparative Study on Excess-Loop-Delay Compensation Techniques for Continuous-Time Sigmaâ€“Delta Modulators. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3480-3487.	5.4	111
2	On the Implicit Anti-Aliasing Feature of Continuous-Time Cascaded Sigmaâ€“Delta Modulators. IEEE Transactions on Circuits and Systems I: Regular Papers, 2007, 54, 2639-2645.	5.4	28
3	A Method for the Discrete-Time Simulation of Continuous-Time Sigma-Delta Modulators. , 2007, , .		24
4	Autocalibration of MEMS accelerometers. , 2012, , .		20
5	The influence of rain on small aperture LiDAR sensors. , 2016, , .		15
6	DISCO - A toolbox for the discrete-time simulation of continuous-time Sigma-Delta modulators using MATLAB™. Midwest Symposium on Circuits and Systems, 2007, , .	1.0	10
7	DISCO: a graphical methodology for the design of Sigma-Delta modulators. Analog Integrated Circuits and Signal Processing, 2009, 60, 3-11.	1.4	9
8	Efficient Reliability-Based Design Optimization for Microelectromechanical Systems. IEEE Sensors Journal, 2010, 10, 1383-1390.	4.7	8
9	Evolution of Bosch Inertial Measurement Units for Consumer Electronics. , 2020, , .		5
10	An Unscented Kalman Filter for the estimation of circuit nonidealities with implicit decimation in continuous-time multibit Sigma-Delta modulators. Midwest Symposium on Circuits and Systems, 2007, , .	1.0	4
11	Estimating Circuit Nonidealities of Continuous-Time Multibit Delta-Sigma Modulators. , 2007, , .		4
12	Systematic approach to the synthesis of continuous-time cascaded sigmaâ€“delta modulators. Analog Integrated Circuits and Signal Processing, 2009, 60, 155-164.	1.4	4
13	Systematic approach to the synthesis of continuous-time cascaded Sigma-Delta modulators. Midwest Symposium on Circuits and Systems, 2007, , .	1.0	3
14	Relationship Between Zero-Rate Output and the MEMS Element in a Closed-Loop System. IEEE Sensors Journal, 2015, 15, 7200-7207.	4.7	3
15	Root Cause Analysis of Zero-Rate Output Sources in an MEMS Gyroscope. IEEE Sensors Journal, 2017, 17, 959-966.	4.7	3
16	On the Implicit Anti-Aliasing Feature of Continuous-Time Multistage Noise-Shaping Sigma-Delta Modulators. , 2007, , .		1
17	Analysis of digital gain error compensation in continuous-time cascaded sigma-delta modulators. , 2008, , .		1