

Alexander Buhmann

List of Publications by Year in descending order

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17
papers

253
citations

1684188

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1372567

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g-index

17
all docs

17
docs citations

17
times ranked

162
citing authors

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