Igone Velez

List of Publications by Year
in descending order

33 papers	262 citations	1040056 9 h-index	996975 15 g-index
34 all docs	34 docs citations	34 times ranked	264 citing authors

#	Article	IF	Citations
1	UWB and IMU-Based UAVâ€™s Assistance System for Autonomous Landing on a Platform. Sensors, 2022, 22, 2347.	3.8	4
2	UWB-Based Safety System for Autonomous Guided Vehicles Without Hardware on the Infrastructure. IEEE Access, 2021, 9, 96430-96443.	4.2	16
3	Temperature-Dependent I/Q Imbalance Compensation in Ultra-Wideband Millimeter-Wave Multi-Gigabit Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 340-352.	4.6	9
4	Design of Wideband Up-Converters with Self-healing Capabilities. Analog Circuits and Signal Processing Series, 2019, , 135-176.	0.3	0
5	Design of Wideband Millimeter-Wave Power Detectors to Enable Self-healing and Digital Correction Capabilities. Analog Circuits and Signal Processing Series, 2019, , 213-230.	0.3	0
6	Effect of Front-End Imperfections on Wideband Millimeter-Wave Signals. Analog Circuits and Signal Processing Series, 2019, , 25-60.	0.3	0
7	Digital Compensation and Mitigation of I/Q Gain and Phase Imbalance. Analog Circuits and Signal Processing Series, 2019, , 61-115.	0.3	0
8	67â€90ÂGHz broadband power detector with 3ÂGHz output bandwidth for onâ€chip test of millimeterâ€wave circuits. International Journal of Circuit Theory and Applications, 2018, 46, 366-374.	2.0	2
9	A 15â€“21 GHz I/Q Upconverter With an On-Chip Linearization Circuit for 10 Gbps mm-Wave Links. IEEE Microwave and Wireless Components Letters, 2017, 27, 512-514.	3.2	5
10	A Wideband and High-Linearity <italic>E</italic>-B and Transmitter Integrated in a 55-nm SiGe Technology for Backhaul Point-to-Point 10-Gb/s Links. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2990-3001.	4.6	21
11	Built-in-Self-Calibration for I/Q Imbalance in Wideband Millimeter-Wave Gigabit Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4758-4769.	4.6	16
12	Variable-length transmission lines for self-healing systems and reconfigurable millimeter-wave integrated circuits. , 2017, , .		2
13	Implementation of a zero-second-IF transmitter for wide-band millimeter-wave links. , 2015, , .		3
14	A Wideband Millimeter-Wave Up-Conversion Mixer for Future Backhaul E-Band Point-to-Point Links with a 0dBm 1-dB Compression Point. , 2015, , .		5
15	A reconfigurable embedded vision system for advanced driver assistance. Journal of Real-Time Image Processing, 2015, 10, 725-739.	3.5	19
16	Radiofrequency-based indoor location systems for ambient assisted living applications. Journal of Ambient Intelligence and Smart Environments, 2014, 6, 561-563.	1.4	1
17	Parallel implementation of a sample rate conversion and pulse-shaping filter for high speed backhauling networks. , 2014, , .		3
18	An area-efficient Radix 28 FFT algorithm for DVB-T2 receivers. Microelectronics Journal, 2014, 45, 1311-1318.	2.0	3

#	Article	IF	Citations
19	Performance of an IEEE 802.15.4a ranging system in multipath indoor environments. , 2011, , .		3
20	Design of an IR-UWB Indoor Localization System Based on a Novel RTT Ranging Estimator. , 2010, , .		13
21	Comparison of area-efficient FFT algorithms for DVB-T2 receivers. Electronics Letters, 2010, 46, 1088.	1.0	9
22	Improving the Performance of an FMCW Indoor Localization System by Optimizing the Ranging Estimator. , 2010, , .		3
23	UWB-Based Time-of-Arrival Ranging System for Multipath Indoor Environments. , 2010, , .		2
24	Radix $r^{k} $ FFTs: Matricial Representation and SDC/SDF Pipeline Implementation. IEEE Transactions on Signal Processing, 2009, 57, 2824-2839.	5.3	69
25	System behaviour capture: from UML to SystemC. , 2008, , .		4
26	A New Approach to Coarse Frequency Acquisition in IEEE 802.11 a. , 2007, , .		0
27	Two coarse frequency acquisition algorithms for OFDM based IEEE 802.11 standards. IEEE Transactions on Consumer Electronics, 2007, 53, 33-38.	3.6	4
28	Corrections to "Enhanced Implementation of Blind Carrier Frequency Estimators for QPSK Satellite Receivers at Low SNR". IEEE Transactions on Consumer Electronics, 2007, 53, 285-285.	3.6	0
29	In-service SNR estimation without symbol timing recovery for QPSK data transmission systems. IEEE Transactions on Wireless Communications, 2007, 6, 3202-3207.	9.2	4
30	Area efficient IFFT/FFT core for MB-OFDM UWB. Electronics Letters, 2007, 43, 649.	1.0	5
31	A Course to Train Digital Hardware Designers for Industry. IEEE Transactions on Education, 2007, 50, 236-243.	2.4	11
32	An approach to simplify the design of IFFT/FFT cores for OFDM systems. IEEE Transactions on Consumer Electronics, 2006, 52, 26-32.	3.6	17
33	Enhanced implementation of blind carrier frequency estimators for QPSK satellite receivers at low SNR. IEEE Transactions on Consumer Electronics, 2005, 51, 442-448.	3.6	9