

# Mateo Burgos-Garcia

## List of Publications by Year in descending order

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18  
papers

308  
citations

933447

10  
h-index

1125743

13  
g-index

18  
all docs

18  
docs citations

18  
times ranked

303  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vehicular Traffic Surveillance and Road Lane Detection Using Radar Interferometry. IEEE Transactions on Vehicular Technology, 2012, 61, 959-970.	6.3	56
2	SAR System for UAV Operation with Motion Error Compensation beyond the Resolution Cell. Sensors, 2008, 8, 3384-3405.	3.8	52
3	FOUR-OCTAVE SIX-PORT RECEIVER AND ITS CALIBRATION FOR BROADBAND COMMUNICATIONS AND SOFTWARE DEFINED RADIOS. Progress in Electromagnetics Research, 2011, 116, 1-21.	4.4	49
4	Through-the-Wall Surveillance With Millimeter-Wave LFM CW Radars. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1796-1805.	6.3	29
5	Robust SVA method for every sampling rate condition. IEEE Transactions on Aerospace and Electronic Systems, 2007, 43, 571-580.	4.7	23
6	Portable High Resolution LFM-CW Radar Sensor in Millimeter-Wave Band. , 2007, , .		16
7	Spatially Variant Apodization for Squinted Synthetic Aperture Radar Images. IEEE Transactions on Image Processing, 2007, 16, 2023-2027.	9.8	14
8	Direct Baseband I-Q Regeneration Method for Five-Port Receivers Improving DC-Offset and Second-Order Intermodulation Distortion Rejection. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2634-2643.	4.6	13
9	Millimeter-Wave Sensor With FMCW Capabilities for Medium-Range High-Resolution Radars. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1479-1486.	4.6	11
10	EXPERIMENTAL PERFORMANCE COMPARISON OF SIX-PORT AND CONVENTIONAL ZERO-IF/LOW-IF RECEIVERS FOR SOFTWARE DEFINED RADIO. Progress in Electromagnetics Research B, 2012, 42, 311-333.	1.0	11
11	INTERFEROMETRIC ISAR IMAGING ON MARITIME TARGET APPLICATIONS: SIMULATION OF REALISTIC TARGETS AND DYNAMICS. Progress in Electromagnetics Research, 2012, 132, 571-586.	4.4	11
12	On the Use of Low-Cost Radar Networks for Collision Warning Systems Aboard Dumpers. Sensors, 2014, 14, 3921-3938.	3.8	6
13	Software Defined Radio technologies for emergency and professional wide band communications. , 2010, , .		5
14	MINIATURIZED 0.3-6 GHZ LTCC SIX-PORT RECEIVER FOR SOFTWARE DEFINED RADIO. Progress in Electromagnetics Research, 2013, 142, 591-613.	4.4	5
15	A Millimeter-Wave Imager Using an Illuminating Source [Application Notes]. IEEE Microwave Magazine, 2013, 14, 132-138.	0.8	3
16	Broadband RF front-end based on the six-port network architecture for software defined radio. , 2010, , .		2
17	A Software Package for the Design of Band-Pass Microwave Generalized Chebyshev Filters with Symmetric or Asymmetric Amplitude Response and Equalized Group Delay. , 1997, , .		1
18	Processing chain of a radar network for safety improvement in the usage of heavy machinery. , 2015, , .		1