

# JesÃ³s De Mingo

## List of Publications by Year in descending order

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75  
papers

519  
citations

933447

10  
h-index

752698

20  
g-index

75  
all docs

75  
docs citations

75  
times ranked

367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Evaluation of Transmitted Signal Distortion Caused by Power Allocation in Inter-Cell Interference Coordination Techniques for LTE/LTE-A and 5G Systems. IEEE Access, 2022, 10, 47854-47868.	4.2	5
2	Triple-Band Concurrent Reconfigurable Matching Network. IEEE Access, 2021, 9, 96711-96721.	4.2	2
3	Markov mode-multiplexing mode in OFDM outphasing transmitters. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	0
4	DPD Linearization Complexity Reduction of Remote Radio Heads in C-RAN with Radio over Fiber Fronthaul. , 2018, , .		1
5	Evaluation of Nonlinear Effects in a RoF SpatialMux MIMO-LTE Fronthaul System. , 2018, , .		2
6	RoF SpatialMux MIMO-LTE Fronthaul System Transmission Parameter Selection with Nelder-Mead Optimization Algorithm. , 2018, , .		2
7	Linearization of a Radio-over-Fiber mobile fronthaul with feedback loop. , 2017, , .		0
8	2-D Optimization Methodology for Reconfigurable Transmitters by Tunable Matching Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 1277-1281.	3.0	2
9	Minimization of Feedback Loop Distortions in Digital Predistortion of a Radio-Over-Fiber System With Optimization Algorithms. IEEE Photonics Journal, 2017, 9, 1-14.	2.0	7
10	Experimental evaluation of the feedback loop effects in digital predistortion of a radio-over-fiber system. , 2017, , .		3
11	Digital predistortion of a full-duplex Radio-over-Fiber mobile fronthaul link with feedback loop. , 2017, , .		7
12	Efficiency enhancement by reconfigurable matching networks in LINC transmitters. Eurasip Journal on Wireless Communications and Networking, 2017, 2017, .	2.4	0
13	Digital predistortion based on B-spline CPWL models in a RoF LTE mobile fronthaul. , 2017, , .		0
14	Digital predistortion based on B-spline CPWL models in a RoF LTE mobile fronthaul. , 2017, , .		1
15	Radio-over-fiber linearization with optimized genetic algorithm CPWL model. Optics Express, 2017, 25, 3694.	3.4	7
16	Statistical Antenna Proximity Effect Modeling with Uncertainty Impedance Ellipses. International Journal of Antennas and Propagation, 2017, 2017, 1-11.	1.2	0
17	Class-E power converters for AC (50/60 Hz) wireless transmission. , 2016, , .		1
18	Modeling and Digital Predistortion based on Zernike polynomial functions for LTE-RoF system. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	Efficiency-Optimized Reconfigurable Transmitter Architecture by Matching Networks for Multi-band OFDM-Based Standards. , 2015, , .		1
20	Effective mismatch losses in handheld antennas. , 2015, , .		0
21	RF power amplifier behavioral modeling using wavelet multiresolution. , 2015, , .		1
22	RF Wideband Power Amplifier Performance Improvement with Reconfigurable Matching Networks. , 2014, , .		2
23	Performance enhancement of RF wideband power amplifier by reconfigurable matching networks. , 2014, , .		1
24	Design and Applications of a 300â€“800 MHz Tunable Matching Network. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 531-540.	3.6	31
25	3-D Conformal Spiral Antenna on Elliptical Cylinder Surfaces for Automotive Applications. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 148-151.	4.0	18
26	Digital predistortion based on Zernike polynomial functions for RF nonlinear power amplifiers. , 2012, , .		4
27	Automated design of optimized tunable matching networks in the UHF band. , 2012, , .		4
28	Tunable outphasing for power amplifier efficiency improvement under load mismatch. , 2012, , .		6
29	High Power Amplifier Linearization Using Zernike Polynomials in a LTE Transmission. , 2012, , .		0
30	Digital Predistortion using non-stationary windowed sequences for LTE power amplifier linearization. , 2012, , .		0
31	Behavioral Power Amplifier Modeling and Digital Predistorter Design with a Chirp Excitation Signal. , 2011, , .		2
32	Load impedance estimation for fast and accurate configuration of tunable matching networks. , 2011, , .		0
33	Performance comparison of training sequences for power amplifier linearization systems. , 2011, , .		0
34	Synthesis of Hecken-tapered microstrip to Paralell-Strip baluns for UHF frequency band. , 2011, , .		1
35	Design of a Varactor-Based Matching Network Using Antenna Input Impedance Variation Knowledge. , 2011, , .		3
36	Dynamic Load Modulation With a Reconfigurable Matching Network for Efficiency Improvement Under Antenna Mismatch. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 892-896.	3.0	10

#	ARTICLE	IF	CITATIONS
37	Improving Digital Predistortion Mismatch Sensitivity Using Tunable Matching Networks. , 2011, , .		3
38	Analysis and Synthesis of Double-Sided Parallel-Strip Transitions. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 372-380.	4.6	26
39	RADIATION PATTERN SYNTHESIS FOR MAXIMUM MEAN EFFECTIVE GAIN WITH SPHERICAL WAVE EXPANSIONS AND PARTICLE SWARM TECHNIQUES. Progress in Electromagnetics Research, 2010, 103, 355-370.	4.4	15
40	Design and Experimental Evaluation of a LINC Transmitter for OFDM Systems. IEEE Transactions on Wireless Communications, 2010, 9, 2983-2987.	9.2	4
41	Performance degradation due to antenna impedance variability in DVB-H consumer devices. IEEE Transactions on Consumer Electronics, 2010, 56, 1153-1159.	3.6	1
42	Signal-to-noise maximization in DVB-H receivers using reconfigurable matching networks. IEEE Transactions on Consumer Electronics, 2010, 56, 1349-1355.	3.6	2
43	Exploring the use of reconfigurable matching networks for efficiency and linearity improvement in RE power amplifiers under load variations. , 2010, , .		0
44	Optimization of the Efficiency and Linearity in RF Power Amplifiers under Load Variations Using a Reconfigurable Matching Network. , 2010, , .		2
45	Characterization of Impedance Variations in Antennas for TETRA Terminals. , 2010, , .		3
46	Application of an Impedance Tuning Network for Mobile DVB-H Terminals. , 2009, , .		3
47	Performance Evaluation of an Automatic Impedance Synthesizer Based on RF Switches. , 2009, , .		3
48	Analysis of the Antenna Stochastic Effective Gain in Mobile Environments. , 2009, , .		3
49	On the integration of ultra wideband antennas in DVD players. IEEE Transactions on Consumer Electronics, 2009, 55, 334-341.	3.6	1
50	Antenna effects in DVB-H mobile rebroadcasters. IEEE Transactions on Consumer Electronics, 2009, 55, 1155-1161.	3.6	7
51	Performance improvement of mobile DVB-H terminals using a reconfigurable impedance tuning network. IEEE Transactions on Consumer Electronics, 2009, 55, 1875-1882.	3.6	17
52	Electromagnetic Bandgap Microstrip to Parallel-strip Balun in Ultrawideband Applications. , 2008, , .		0
53	Waveform Optimization in UWB Antenna Systems Based on Prolate Spheroidal Wave Signal Spaces. , 2008, , .		0
54	Ultrawideband antenna distortion analysis based on Prolate Spheroidal spectral decomposition. , 2008, , .		1

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55	Ultrawide-Band Antenna Distortion Characterization Using Hermite-Gauss Signal Subspaces. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 267-270.	4.0	14
56	Memory Behavioral Modeling of RF Power Amplifiers. IEEE Vehicular Technology Conference, 2008, , .	0.4	4
57	Nonlinear Distortion Cancellation using Particle Swarm Optimization (PSO) based Predistortion in OFDM systems. , 2007, , .		3
58	Out-of-Band Distortion Reduction in DVB-T Systems with Particle Swarm Digital Predistorters. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	0
59	Parallel-strip-fed antenna designs in ultrawideband applications. , 2007, , .		6
60	Ultrawideband Parallel Strip Antennas Designed by Genetic Algorithms. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	1
61	Improvement in the Linearity of a LINC Transmitter using Genetic Algorithms. IEEE Transactions on Wireless Communications, 2007, 6, 2379-2383.	9.2	2
62	Linear System Approach to Ultrawideband Antenna Distortion Analysis. , 2007, , .		1
63	Predistortion Method for Nonlinear Distortion Cancellation in WiMAX Transmitters. , 2006, , .		2
64	Misalignments Feedforward Transmitter Correction Design for Nonlinear Distortion Cancellation in OFDM Systems. , 2006, , .		2
65	Polarization Diversity with Genetic Parallel Printed Dipole Antennas for Bluetooth and WiMAX Applications. , 2006, , .		6
66	Mean Effective Gain of Compact WLAN Genetic Printed Dipole Antennas in Indoor-Outdoor Scenarios. Lecture Notes in Computer Science, 2006, , 275-283.	1.3	2
67	An Adaptive Digital Method of Imbalances Cancellation in LINC Transmitters. IEEE Transactions on Vehicular Technology, 2005, 54, 879-888.	6.3	17
68	Nonlinear Distortion Cancellation Using LINC Transmitters in OFDM Systems. IEEE Transactions on Broadcasting, 2005, 51, 84-93.	3.2	28
69	An RF Electronically Controlled Impedance Tuning Network Design and Its Application to an Antenna Input Impedance Automatic Matching System. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 489-497.	4.6	156
70	Performance of a new digital baseband predistorter using calibration memory. IEEE Transactions on Vehicular Technology, 2001, 50, 1169-1176.	6.3	27
71	Waveguide-to-coupled fin-line transition in Ka band. , 1996, 6, 363-365.		17
72	Analysis of closed loop power control modes in UTRA-FDD under time varying multipath channels. , 0, , .		6

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73	Input impedance antenna automatic matching system. , 0, , .		4
74	An imbalances cancellation method with memory in a LINC transmitter for wideband systems. , 0, , .		1
75	Nonlinear Distortion Cancellation in a LINC Transmitter using Genetic Algorithms. , 0, , .		2