

Lluís Pradell Cara

List of Publications by Year in descending order

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times ranked

1134
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Minimum Nonlinear Distortion Reconfigurable Antennas for Next-Generation Communication Systems. <i>Sensors</i> , 2021, 21, 2557.	3.8	5
2	High-Efficiency Reconfigurable Dual-Band Class-F Power Amplifier With Harmonic Control Network Using MEMS. <i>IEEE Microwave and Wireless Components Letters</i> , 2020, 30, 677-680.	3.2	21
3	A 2.4 GHz CMOS Class-F Power Amplifier With Reconfigurable Load-Impedance Matching. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019, 66, 31-42.	5.4	23
4	Miniature Switchable Millimeter-Wave BiCMOS Low-Noise Amplifier at 120/140 GHz Using an HBT Switch. <i>Micromachines</i> , 2019, 10, 632.	2.9	2
5	A 125–143-GHz Frequency-Reconfigurable BiCMOS Compact LNA Using a Single RF-MEMS Switch. <i>IEEE Microwave and Wireless Components Letters</i> , 2019, 29, 339-341.	3.2	13
6	RF-MEMS Switches Designed for High-Performance Uniplanar Microwave and mm-Wave Circuits. , 2018, , .		4
7	Compact, wideband impedance tuner using a three-line microstrip structure. <i>Electronics Letters</i> , 2018, 54, 572-574.	1.0	1
8	Compact Fully Uniplanar Bandstop Filter Based on Slow-Wave Multimodal CPW Resonators. <i>IEEE Microwave and Wireless Components Letters</i> , 2018, 28, 780-782.	3.2	14
9	RF-MEMS switches for a full control of the propagating modes in uniplanar microwave circuits and their application to reconfigurable multimodal microwave filters. <i>Microsystem Technologies</i> , 2017, 23, 5959-5975.	2.0	2
10	Reduced-length uniplanar bandpass filters based on coplanar-waveguide-slotline tees. , 2015, , .		1
11	Analytical Energy Model for the Dynamic Behavior of RF MEMS Switches Under Increased Actuation Voltage. <i>Journal of Microelectromechanical Systems</i> , 2014, 23, 1428-1439.	2.5	5
12	A Ku-band RF-MEMS frequency-reconfigurable multimodal bandpass filter. <i>International Journal of Microwave and Wireless Technologies</i> , 2014, 6, 277-285.	1.9	7
13	CPW balun for printed balanced antennas. <i>Electronics Letters</i> , 2014, 50, 785-786.	1.0	6
14	Uniplanar Bandpass Filters Based on Multimodal Immitance Inverters and End-Coupled Slotline Resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2013, 61, 77-88.	4.6	10
15	Ku-band RF-MEMS uniplanar reconfigurable bandwidth bandpass filter using multimodal immittance inverters. <i>Electronics Letters</i> , 2013, 49, 704-706.	1.0	10
16	Discretely tuned RF-MEMS bandstop filter with wide tuning range and uniform high rejection. <i>Electronics Letters</i> , 2012, 48, 1065-1067.	1.0	2
17	Precise frequency and bandwidth control of switchable microstrip bandpass filters using diode and microelectro-mechanical system technologies. <i>IET Microwaves, Antennas and Propagation</i> , 2012, 6, 713.	1.4	12
18	U-band micromachined coaxial filter. , 2011, , .		3

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19	RF-MEMS Uniplanar 180° Phase Switch Based on a Multimodal Air-Bridged CPW Cross. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1769-1777.	4.6	11
20	Polymer-based micromachined rectangular coaxial filters for millimeter-wave applications. International Journal of Microwave and Wireless Technologies, 2011, 3, 115-120.	1.9	4
21	Planck pre-launch status: The Planck mission. Astronomy and Astrophysics, 2010, 520, A1.	5.1	268
22	Fully adaptable bandstop filter using varactor diodes. Microwave and Optical Technology Letters, 2010, 52, 554-558.	1.4	7
23	A new compact bandpass filter based on an asymmetric short-circuited spurline resonator. Microwave and Optical Technology Letters, 2010, 52, 1328-1331.	1.4	0
24	Switchable bandpass filter for WiFi/UMTS reception standards. Electronics Letters, 2010, 46, 930.	1.0	17
25	MEMS-Based 180° Phase Switch for Differential Radiometers. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1264-1272.	4.6	9
26	Tunable dual-band resonators for communication systems. International Journal of Microwave and Wireless Technologies, 2010, 2, 245-253.	1.9	6
27	LFI 30 and 44 GHz receivers Back-End Modules. Journal of Instrumentation, 2009, 4, T12003-T12003.	1.2	14
28	Selectivity-tuned bandpass filter. Electronics Letters, 2009, 45, 984.	1.0	6
29	A Rigorous Multimodal Analysis and Design Procedure of a Uniplanar 180° Hybrid. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1832-1839.	4.6	8
30	A method for characterization of intermodulation distortion produced in MEMS switches. Microwave and Optical Technology Letters, 2009, 51, 526-529.	1.4	0
31	Dual-band bandpass filter based on a hole resonator. Microwave and Optical Technology Letters, 2009, 51, 1649-1652.	1.4	2
32	Tunable dual-band bandpass filter for WLAN applications. Microwave and Optical Technology Letters, 2009, 51, 2025-2028.	1.4	31
33	Precise frequency and bandwidth control of microstrip switchable bandstop filters. Microwave and Optical Technology Letters, 2009, 51, 2573-2578.	1.4	8
34	Capacitive and Resistive RF-MEMS switches 2.5D & 3D Electromagnetic and Circuit Modelling. , 2009, , .		7
35	Characterizing a Tune All Bandstop Filter. , 2009, , .		6
36	Microstrip Switchable Bandstop Filter using PIN Diodes with Precise Frequency and Bandwidth Control. , 2008, , .		20

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37	A Low-Power-Consumption Out-of-Plane Electrothermal Actuator. Journal of Microelectromechanical Systems, 2007, 16, 719-727.	2.5	10
38	Compact, wideband CPW-to-slotline multimodal transition. , 2007, , .		3
39	Non linear actuation model for lateral electrostatically-actuated DC-contact RF MEMS series switches. , 2007, , .		1
40	Electrothermally Actuated RF MEMS Switches Suspended on a Low-Resistivity Substrate. Journal of Microelectromechanical Systems, 2007, 16, 1061-1070.	2.5	34
41	Nonlinear actuation model for lateral electrostatically-actuated DC-contact RF MEMS series switches. Microwave and Optical Technology Letters, 2007, 49, 1238-1241.	1.4	1
42	Electrothermally-actuated RF MEMS suspended parallel switch. Microwave and Optical Technology Letters, 2007, 49, 2894-2896.	1.4	7
43	In-Plane Electrostatically-Actuated RF MEMS Switch Suspended on a Low-Resistivity Substrate. , 2006, , .		3
44	Study of intermodulation in RF MEMS variable capacitors. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 1120-1130.	4.6	52
45	Distortion produced by RF MEMS varactors on digital communication signals. Microwave and Optical Technology Letters, 2006, 48, 246-449.	1.4	2
46	A method to simultaneously extract the small-signal equivalent circuit and noise parameters of heterojunction bipolar transistors. Microwave and Optical Technology Letters, 2006, 48, 1372-1379.	1.4	0
47	In-Plane Electrostatically-Actuated RF MEMS Switch Suspended on a Low-Resistivity Substrate. , 2006, , .		4
48	Circuit models for mode conversion in clock signal distribution. , 2005, , .		1
49	Very low-noise differential radiometer at 30 GHz for the PLANCK LFI. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 2050-2062.	4.6	34
50	Planck-LFI 44 GHz back end module. IEEE Transactions on Aerospace and Electronic Systems, 2005, 41, 1415-1430.	4.7	3
51	A MEMS capacitor with improved RF power handling capability. , 2005, , .		1
52	Generation of third and higher-order intermodulation products in MEMS capacitors, and their effects. , 2005, , .		6
53	Characterization of Dynamics and Power Handling of RF MEMS Using Vector Measurement Techniques. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 2627-2633.	4.6	11
54	Noise model of a reverse-biased cold-FET applied to the characterization of its ENR. Microwave and Optical Technology Letters, 2004, 40, 326-330.	1.4	1

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55	A method for the determination of a distributed FET noise model based on matched-source noise-figure measurements. Microwave and Optical Technology Letters, 2004, 41, 221-225.	1.4	1
56	Extended tuning range RF MEMS variable capacitors using electrostatic and electrothermal actuators. , 2004, 5344, 59.		10
57	Simultaneous extraction of the small-signal equivalent circuit elements and noise parameters of HBTs. , 2004, , .		1
58	On-wafer noise source characterization. , 2004, 5470, 448.		1
59	Application of CAD load-pull techniques in mixer design. Microwave and Optical Technology Letters, 2003, 36, 320-323.	1.4	3
60	Extraction of an avalanche diode noise model for its application as an on-wafer noise source. Microwave and Optical Technology Letters, 2003, 38, 89-92.	1.4	17
61	Bias-dependence of FET intrinsic noise sources, determined with a quasi-2D model. Microwave and Optical Technology Letters, 2003, 39, 317-319.	1.4	5
62	A method for characterizing coplanar waveguide-to-microstrip transitions, and its application to the measurement of microstrip devices with coplanar microprobes. Microwave and Optical Technology Letters, 2003, 39, 373-378.	1.4	7
63	RF MEMS switches based on the buckle-beam thermal actuator. , 2003, , .		0
64	Cold-FET ENR Characterisation Applied to the Measurement of On-Wafer Transistor Noise Parameters. , 2002, , .		3
65	Low Cost PLDROs for LMDS/MVDS Applications for 40 GHz Band. , 2002, , .		0
66	New theoretical analysis of the LRRM calibration technique for vector network analyzers. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 1307-1314.	4.7	49
67	Circuit model for coplanar-slotline tees. , 2000, 10, 177-179.		8
68	Circuit model for a coplanar-slotline cross. , 2000, 10, 511-513.		17
69	Generalized transverse resonance analysis of planar discontinuities considering the edge effect. , 2000, 10, 517-519.		0
70	Circuit model for slotline-to-coplanar waveguide asymmetrical transitions. Electronics Letters, 1999, 35, 1153.	1.0	9
71	Circuit model for mode conversion in coplanar waveguide asymmetric shunt impedances. Electronics Letters, 1999, 35, 713.	1.0	14
72	FET noise-parameter determination using a novel technique based on 50- $\hat{\text{C}}$ noise-figure measurements. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 315-324.	4.6	28

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73	Direct extraction of all four transistor noise parameters from 50 [ohm sign] noise figure measurements. Electronics Letters, 1998, 34, 289.	1.0	8
74	Method for measuring noise parameters of microwave two-port. Electronics Letters, 1998, 34, 1332.	1.0	12
75	Extraction of noise parameters of transistor using a spectrum analyser and 50 [ohm sign] noise figure measurements only. Electronics Letters, 1998, 34, 2353.	1.0	3
76	Ill conditioning loci in noise parameter determination. Electronics Letters, 1996, 32, 1680.	1.0	5
77	Comparison of on-wafer calibrations using the concept of reference impedance. , 1993, , .		1
78	A multimodal analysis of the effects of guard traces over near wideband signal paths. , 0, , .		3
79	Properties of oxidized porous silicon as insulator material for RF applications. , 0, , .		5