Jau-Horng Chen

List of Publications by Year
in descending order

38 papers	475 citations	840776 11 h-index	713466 21 g-index
38 all docs	38 docs citations	38 times ranked	326 citing authors

#	Article	IF	Citations
1	A Low-Resolution Direct Digital Synthesis Transmitter Architecture Using Dithering for Multiband 5G NR Mobile Applications. IEEE Microwave and Wireless Components Letters, 2022, , 1-4.	3.2	0
2	Efficient Interpolation Method for Wireless Communications and Signal Processing Applications. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2753-2761.	4.6	8
3	A Pulse-Modulated Polar Transmitter Using Direct Digital Synthesis for 5G NR Mobile Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1894-1898.	3.0	10
4	Efficient Implementation of Cubic Spline Interpolator. , 2020, , .		3
5	A Linearity Enhanced Power Recycling Pulse-Modulated Polar Transmitter Using Aliasing-Free Digital Pulsewidth Modulation. , 2019, , .		0
6	A 40-MHz Bandwidth Pulse-Modulated Polar Transmitter for Mobile Applications. , 2019, , .		3
7	On the Thermal Memory Effect Reduction of Power Amplifiers Using Pulse Modulation. IEEE Microwave and Wireless Components Letters, 2019, 29, 285-287.	3.2	6
8	Gibbs-Phenomenon-Reduced Digital PWM for Power Amplifiers Using Pulse Modulation. IEEE Access, 2019, 7, 178788-178797.	4.2	6
9	A Multiphase Digital Pulsewidth Modulated Polar Transmitter Architecture With Reactive Combiner for Improved Efficiency. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1107-1114.	4.6	5
10	A Highly Efficient Pulse-Modulation Polar Transmitter Using Broadband Class E Power Amplifier for Femtocell Base Stations. , 2018, , .		2
11	A Wideband 90-Nm CMOS Phase-Locked Loop with Current Mismatch Calibration for Spur Reduction. , 2018, , .		1
12	A Multilevel Pulse-Modulated Polar Transmitter Based on a Doherty Power Amplifier and Memoryless Digital Predistortion. IEEE Microwave and Wireless Components Letters, 2018, 28, 933-935.	3.2	7
13	A Highly Linear Pulse-Modulated Polar Transmitter Using Aliasing-Free Digital PWM for Small-Cell Base Stations. IEEE Microwave and Wireless Components Letters, 2018, 28, 729-731.	3.2	7
14	A wireless sensor utilizing ultrasound for wireless power and data transmission. , 2017, , .		1
15	A current average control method for transient-glitch reduction in variable frequency DC-DC converters. , 2017, , .		0
16	A pulse-mode CMOS power amplifier for multi-band LTE femtocell base stations. , 2016, , .		0
17	A CMOS Full-Cycle Mixing Vector Modulator. IEEE Microwave and Wireless Components Letters, 2016, 26, 825-827.	3.2	1
18	Linearity Enhanced Wide-Bandwidth Pulse-Modulated Polar Transmitters for LTE Femtocell Applications. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 219-225.	4.6	12

#	Article	IF	Citations
19	A Wideband and Highly Symmetric Multi-Port Parallel Combining Transformer Technology. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3671-3680.	4.6	2
20	A 1.9 GHz CMOS High Isolation Absorptive OOK Modulator. IEEE Microwave and Wireless Components Letters, 2015, 25, 190-192.	3.2	4
21	A Highly Efficient LTE Pulse-Modulated Polar Transmitter Using Wideband Power Recycling. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4437-4443.	4.6	7
22	A Wideband Pulse-Modulated Polar Transmitter Using Envelope Correction for LTE Applications. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2603-2608.	4.6	7
23	A Quadratic-Interpolated LUT-Based Digital Predistortion Technique for Cellular Power Amplifiers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 133-137.	3.0	26
24	Pulse-modulated polar transmitters for spectrum-efficient wireless applications. , 2014, , .		1
25	A 1.2-V 90-nm Fully Integrated Compact CMOS Linear Power Amplifier Using the Coupled L-Shape Concentric Vortical Transformer. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2689-2699.	4.6	5
26	Spur-Reduction Design of Frequency-Hopping DCâ€“DC Converters. IEEE Transactions on Power Electronics, 2012, 27, 4763-4771.	7.9	16
27	A High-Efficiency CMOS DC-DC Converter With 9-$ mu$s Transient Recovery Time. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 575-583.	5.4	36
28	System-level requirements for implementing wide dynamic range pulse-modulated polar transmitters. , 2011, , .		1
29	A Power-Recycling Technique for Improving Power Amplifier Efficiency Under Load Mismatch. IEEE Microwave and Wireless Components Letters, 2011, 21, 571-573.	3.2	19
30	A Miniaturized 3 dB Branch-Line Hybrid Coupler With Harmonics Suppression. IEEE Microwave and Wireless Components Letters, 2011, 21, 537-539.	3.2	136
31	A Polar-Transmitter Architecture Using Multiphase Pulsewidth Modulation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 244-252.	5.4	42
32	A Polar Transmitter Using Interleaving Pulse Modulation for Multimode Handsets. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2083-2090.	4.6	20
33	A Technique for Implementing Wide Dynamic-Range Polar Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2368-2374.	4.6	11
34	A pulse modulated polar transmitter for CDMA handsets. , 2010, , .		3
35	An Efficiency-Improved Outphasing Power Amplifier Using RF Pulse Modulation. IEEE Microwave and Wireless Components Letters, 2010, 20, 684-686.	3.2	5
36	A Spur-Reduced Multimode Power-Level Tracking Power Amplifier Using a Frequency-Hopping DCâ€“DC Converter. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1333-1338.	4.6	16

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37	A Multi-Level Pulse Modulated Polar Transmitter Using Digital Pulse-Width Modulation. IEEE Microwave and Wireless Components Letters, 2010, 20, 295-297.	3.2	32
38	A spurious emission reduction technique for power amplifiers using frequency hopping DC-DC converters. , 2009, , .		14