

Mabel Ponton

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Wireless Injection Locking of Zero-IF Self-Oscillating Mixers. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 836-849.	2.9	2
2	Double Functionality Concurrent Dual-Band Self-Oscillating Mixer. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 786-802.	2.9	1
3	Stability and Oscillation Analysis at Circuit Level and Through Semi-Analytical Formulations. IEEE Journal of Microwaves, 2021, 1, 763-776.	4.9	2
4	Analysis of high-order sub-harmonically injection-locked oscillators. International Journal of Microwave and Wireless Technologies, 2020, 12, 695-706.	1.5	1
5	Oscillator Stabilization Through Feedback With Slow Wave Structures. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2358-2373.	2.9	4
6	Analysis of the Transient Dynamics of Microwave Oscillators. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3562-3574.	2.9	4
7	Analysis of high-order sub-harmonically injection-locked oscillators. , 2019, , .		1
8	Wireless-Coupled Oscillator Systems With an Injection-Locking Signal. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 642-658.	2.9	6
9	Oscillation Modes in Symmetrical Wireless-Locked Systems. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2495-2510.	2.9	4
10	Effects of Noisy and Modulated Interferers on the Free-Running Oscillator Spectrum. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1831-1842.	2.9	5
11	New methodologies for the analysis and synthesis of oscillator circuits. , 2018, , .		2
12	Two-Scale Envelope-Domain Analysis of Injected Chirped Oscillators. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5449-5461.	2.9	10
13	Analysis of Chirped Oscillators Under Injection Signals. , 2018, , .		4
14	Simulation Method for Complex Multivalued Curves in Injection-Locked Oscillators. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 4046-4062.	2.9	13
15	Analysis of Output Loading Effects in Autonomous Circuits. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3135-3146.	2.9	0
16	Stability analysis of wireless coupled-oscillator circuits. , 2017, , .		14
17	Wireless Injection Locking of Oscillator Circuits. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4646-4659.	2.9	13
18	Analysis of self-injection locked oscillators for motion sensing applications. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
19	Optimized Design of Frequency Dividers Based on Varactor-Inductor Cells. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4458-4472.	2.9	3
20	Analysis of Two Coupled NLTL-Based Oscillators. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3485-3499.	2.9	6
21	Rotary Traveling-Wave Oscillator With Differential Nonlinear Transmission Lines. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1149-1161.	2.9	10
22	Analysis of Injection Pulling in Phase-Locked Loops With a New Modeling Technique. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1200-1214.	2.9	6
23	Pulsed-waveform oscillators with short nonlinear transmission lines. , 2012, , .		1
24	A Phase-Coherent Upconverting Parametric Amplifier. IEEE Microwave and Wireless Components Letters, 2012, 22, 527-529.	2.0	1
25	Optimized Design of Pulsed Waveform Oscillators and Frequency Dividers. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3428-3440.	2.9	13
26	Optimized design of pulsed waveform oscillators. , 2011, , .		2
27	Analysis and design of soliton oscillators using harmonic balance. , 2009, , .		4
28	Applications of Pulsed-Waveform Oscillators in Different Operation Regimes. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 3362-3372.	2.9	7
29	Phase-Noise Analysis of Injection-Locked Oscillators and Analog Frequency Dividers. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 393-407.	2.9	58
30	Stability Analysis of Oscillation Modes in Quadruple-Push and Rucker's Oscillators. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2648-2661.	2.9	23
31	Harmonic-balance design and analysis of an injection-locked push-push oscillator. , 2008, , .		5
32	Nonlinear-optimization techniques for quadruple-push oscillators. , 2007, , .		3
33	Nonlinear-optimization techniques for quadruple-push oscillators. , 2007, , .		4