

Jooseok Lee

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A 45-nm RFSOI CMOS Based Band-Reconfigurable Quadrature Hybrid for mm-Wave 5G Applications. , 2022, , .		0
2	692 GHz High-Efficiency Compact-Size InP-Based Fundamental RTD Oscillator. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 716-719.	3.1	7
3	Area-Efficient Series-Connected Resonant Tunneling Diode Pair as Binary Neuron in Cellular Neural Network. IEEE Electron Device Letters, 2020, 41, 1308-1311.	3.9	2
4	A 24-GHz Low-Power RTD-Based ON-OFF Keying Oscillator With an RTD Pair Configuration. IEEE Microwave and Wireless Components Letters, 2018, 28, 521-523.	3.2	7
5	\$V\$ -band \$imes 8\$ Frequency Multiplier With Optimized Structure and High Spectral Purity Using 65-nm CMOS Process. IEEE Microwave and Wireless Components Letters, 2017, 27, 506-508.	3.2	9
6	A 0.71-pJ/b ON-OFF Keying \$K\$ -Band Oscillator Using an InP-Based Resonant Tunneling Diode. IEEE Microwave and Wireless Components Letters, 2017, 27, 660-662.	3.2	2
7	A 675 GHz Differential Oscillator Based on a Resonant Tunneling Diode. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 510-512.	3.1	14
8	A 1.52 THz RTD Triple-Push Oscillator With a -Level Output Power. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 336-340.	3.1	33
9	A Novel Ku-Band RTD-Based Quadrature VCO for Low Power Applications. IEEE Microwave and Wireless Components Letters, 2015, 25, 328-330.	3.2	13
10	A sub-mW D-band 2×10^3 harmonic oscillator using InP-based quantum-effect tunneling devices. , 2014, , .		0
11	Reflection-Type RTD Low-Power Amplifier With Deep Sub-mW DC Power Consumption. IEEE Microwave and Wireless Components Letters, 2014, 24, 551-553.	3.2	15
12	Negative-differential-conductance RTD amplifier MMIC with record foms of gain-to-dc power ratio and noise figure. , 2014, , .		0
13	5 GHz low-power RTD-based amplifier MMIC with a high figure-of-merit of 24.5 dB/mW. , 2013, , .		4
14	A 1.3 pJ/bit energy-efficient ultra-low power on-off mode oscillator using an InP-based quantum-effect tunneling device. , 2012, , .		0
15	A W-band InGaAs PIN-MMIC digital phase-shifter using a switched transmission-line structure. , 2012, , .		11
16	An On-Off Mode RTD Oscillator Operating at Extremely Low Power Consumption. IEEE Nanotechnology Magazine, 2012, 11, 863-865.	2.0	17
17	A Low-Power 40-Gb/s 1:2 Demultiplexer IC Based on a Resonant Tunneling Diode. IEEE Nanotechnology Magazine, 2012, 11, 431-434.	2.0	9
18	40 Gb/s Low-Power 4:1 Multiplexer Based on Resonant Tunneling Diodes. IEEE Nanotechnology Magazine, 2012, 11, 890-895.	2.0	8