Jooseok Lee

List of Publications by Year
in descending order

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18	151	1163117	1199594
papers	citations	8	12
		h-index	g-index

18	18	18	156
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	An Onâ€“Off Mode RTD Oscillator Operating at Extremely Low Power Consumption. IEEE Nanotechnology Magazine, 2012, 11, 863-865.	2.0	17
3	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
4	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
5	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
6	A W-band InGaAs PIN-MMIC digital phase-shifter using a switched transmission-line structure. , 2012, , .		11
7	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
8	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
9	40 Gb/s Low-Power 4:1 Multiplexer Based on Resonant Tunneling Diodes. IEEE Nanotechnology Magazine, 2012, 11, 890-895.	2.0	8
10	A 24-GHz Low-Power RTD-Based ONâ€“OFF Keying Oscillator With an RTD Pair Configuration. IEEE Microwave and Wireless Components Letters, 2018, 28, 521-523.	3.2	7
11	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
12	5 GHz low-power RTD-based amplifier MMIC with a high figure-of-merit of 24.5 dB/mW. , 2013, , .		4
13	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
14	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
15	A 1.3 pJ/bit energy-efficient ultra-low power on-off mode oscillator using an InP-based quantum-effect tunneling device. , 2012, , .		0
16	A sub-mW D-band 2nd harmonic oscillator using InP-based quantum-effect tunneling devices. , 2014, , .		0
17	Negative-differential-conductance RTD amplifier MMIC with record foms of gain-to-dc power ratio and noise figure. , 2014, , .		0
18	A 45-nm RFSOI CMOS Based Band-Reconfigurable Quadrature Hybrid for mm-Wave 5G Applications. , 2022, , .		0