

Min Woo Ryu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Performance Enhancement of Silicon-Based Sub-Terahertz Detector by Highly Localized Plasmonic Wave in Nano-Ring FET. IEEE Electron Device Letters, 2021, 42, 1719-1722.	3.9	3
2	Monolithic Circular Transistor-Antenna Design for High-Performance Plasmonic Millimeter-Wave Detectors. IEEE Transactions on Antennas and Propagation, 2020, 68, 2511-2522.	5.1	2
3	Record-High Performance Trantenna Based On Asymmetric Nano-Ring Fet For Polarization-Independent Large-Scale/Real-Time Thz Imaging. , 2019, , .		0
4	Trantenna: Monolithic transistor-antenna device for real-time THz imaging system. , 2017, , .		3
5	Highly-sensitive plasmonic nano-ring transistor for monolithic terahertz active antenna. , 2017, , .		1
6	Advanced non-quasi-static(NQS) compact model for characterization of non-resonant plasmonic terahertz detector. , 2017, , .		0
7	Accurate Analysis and Characterization of Silicon Field Effect Transistor-Based Terahertz Wave Detector with Quasi-Plasma Two-Dimensional Electron Gas. Journal of Nanoscience and Nanotechnology, 2016, 16, 4746-4752.	0.9	2
8	New non-quasi-static (NQS) compact model for non-resonant plasmonic terahertz wave detector based on field-effect transistor. , 2016, , .		0
9	Plasmonic 1Å–200 array scanner based on 65-nm CMOS asymmetric FETs for real-time terahertz. , 2016, , .		1
10	High-Performance Plasmonic THz Detector Based on Asymmetric FET With Vertically Integrated Antenna in CMOS Technology. IEEE Transactions on Electron Devices, 2016, 63, 1742-1748.	3.0	41
11	Parasitic antenna effect in terahertz plasmon detector array for real-time imaging system. Japanese Journal of Applied Physics, 2015, 54, 102001.	1.5	6
12	High-performance of asymmetric FET-based plasmonic THz detector with vertically-integrated antenna in 65-nm CMOS technology. , 2015, , .		0
13	Performance Enhancement of Plasmonic Sub-Terahertz Detector Based on Antenna Integrated Low-Impedance Silicon MOSFET. IEEE Electron Device Letters, 2015, 36, 220-222.	3.9	23
14	Physical modeling and analysis for performance enhancement of nanoscale silicon field-effect transistor-based plasmonic terahertz detector. , 2014, , .		2
15	Photoresponse enhancement of plasmonic terahertz wave detector based on asymmetric silicon MOSFETs with antenna integration. Japanese Journal of Applied Physics, 2014, 53, 04EJ05.	1.5	14
16	Plasmonic terahertz wave detector based on silicon field-effect transistors with asymmetric source and drain structures. , 2013, , .		1
17	TCAD modeling and simulation of non-resonant plasmonic THz detector based on asymmetric silicon MOSFETs. , 2013, , .		3
18	Plasmonic Terahertz Wave Detectors Based on Silicon Field-Effect Transistors. IEICE Transactions on Electronics, 2013, E96.C, 649-654.	0.6	5

#	ARTICLE	IF	CITATIONS
19	Enhanced Photoresponse of Plasmonic Terahertz Wave Detector Based on Silicon Field Effect Transistors with Asymmetric Source and Drain Structures. Journal of Semiconductor Technology and Science, 2013, 13, 576-580.	0.4	3
20	Terahertz antenna compatible with CMOS array detector for a real-time T-ray imaging system. , 2012, , .		1
21	Negative Differential resistance devices with ultra-high peak-to-valley current ratio based on silicon nanowire structure. , 2012, , .		2
22	Effects of amorphous silicon atomic density variation on series and contact resistances in nanoscale thin-film structures. , 2012, , .		0