

Min Woo Ryu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Parasitic antenna effect in terahertz plasmon detector array for real-time imaging system. Japanese Journal of Applied Physics, 2015, 54, 102001.	1.5	6
5	Plasmonic Terahertz Wave Detectors Based on Silicon Field-Effect Transistors. IEICE Transactions on Electronics, 2013, E96.C, 649-654.	0.6	5
6	TCAD modeling and simulation of non-resonant plasmonic THz detector based on asymmetric silicon MOSFETs. , 2013, , .		3
7	Trantenna: Monolithic transistor-antenna device for real-time THz imaging system. , 2017, , .		3
8	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
9	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
10	Negative Differential resistance devices with ultra-high peak-to-valley current ratio based on silicon nanowire structure. , 2012, , .		2
11	Physical modeling and analysis for performance enhancement of nanoscale silicon field-effect transistor-based plasmonic terahertz detector. , 2014, , .		2
12	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
13	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
14	Terahertz antenna compatible with CMOS array detector for a real-time T-ray imaging system. , 2012, , .		1
15	Plasmonic terahertz wave detector based on silicon field-effect transistors with asymmetric source and drain structures. , 2013, , .		1
16	Plasmonic 1Å–200 array scanner based on 65-nm CMOS asymmetric FETs for real-time terahertz. , 2016, , .		1
17	Highly-sensitive plasmonic nano-ring transistor for monolithic terahertz active antenna. , 2017, , .		1
18	Effects of amorphous silicon atomic density variation on series and contact resistances in nanoscale thin-film structures. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	High-performance of asymmetric FET-based plasmonic THz detector with vertically-integrated antenna in 65-nm CMOS technology. , 2015, , .		0
20	New non-quasi-static (NQS) compact model for non-resonant plasmonic terahertz wave detector based on field-effect transistor. , 2016, , .		0
21	Advanced non-quasi-static(NQS) compact model for characterization of non-resonant plasmonic terahertz detector. , 2017, , .		0
22	Record-High Performance Trantenna Based On Asymmetric Nano-Ring Fet For Polarization-Independent Large-Scale/Real-Time Thz Imaging. , 2019, , .		0