

Hyo-Soon Kang

List of Publications by Year in descending order

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18
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361
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of phototransistor internal gain in metamorphic high-electron-mobility transistors. Applied Physics Letters, 2004, 84, 3780-3782.	1.5	89
2	Si avalanche photodetectors fabricated in standard complementary metal-oxide-semiconductor process. Applied Physics Letters, 2007, 90, 151118.	1.5	63
3	Phototransistors based on InP HEMTs and their applications to millimeter-wave radio-on-fiber systems. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 256-263.	2.9	39
4	Equivalent Circuit Model for Si Avalanche Photodetectors Fabricated in Standard CMOS Process. IEEE Electron Device Letters, 2008, 29, 1115-1117.	2.2	35
5	High-Speed CMOS Integrated Optical Receiver With an Avalanche Photodetector. IEEE Photonics Technology Letters, 2009, 21, 1553-1555.	1.3	27
6	Low-Cost Multistandard Radio-Over-Fiber Downlinks Based on CMOS-Compatible Si Avalanche Photodetectors. IEEE Photonics Technology Letters, 2009, 21, 462-464.	1.3	11
7	Millimeter-wave Optoelectronic Mixers Based on CMOS-Compatible Si Photodetectors. , 2006, , .		8
8	Self-Oscillating Harmonic Opto-Electronic Mixer Based on a CMOS-Compatible Avalanche Photodetector for Fiber-Fed 60-GHz Self-Heterodyne Systems. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 3180-3187.	2.9	7
9	CMOS-compatible 60 GHz Harmonic Optoelectronic Mixer. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	5
10	Characteristics of InP HEMT harmonic optoelectronic mixers and their application to 60 GHz radio-on-fiber systems. , 0, , .		3
11	A CMOS-compatible Schottky-barrier diode detector for 60-GHz amplitude-shift keying (ASK) systems. , 2008, , .		3
12	Fiber-fed 60-GHz self-heterodyne system using a self-oscillating harmonic optoelectronic mixer based on a CMOS-compatible APD. , 2008, , .		3
13	Radio-over-fiber systems for WLAN based on CMOS-compatible Si-avalanche photodetectors. , 2008, , .		2
14	Multi-standard radio-over-fiber systems using CMOS-compatible Si avalanche photodetectors. , 2008, , .		2
15	6.25-Gb/s Optical Receiver Using A CMOS-Compatible Si Avalanche Photodetector. Journal of the Optical Society of Korea, 2008, 12, 217-220.	0.6	1
16	CMOS-compatible Si avalanche photodetectors for microwave photonics applications. , 2008, , .		1
17	High conversion gain millimeter-wave optoelectronic mixer based on InAlAs/InGaAs metamorphic HEMT. , 0, , .		0
18	Characterization of Silicon Avalanche Photodetectors Fabricated in Standard CMOS process. , 2007, , .		0