Ivan Pentin

List of Publications by Year
in descending order

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Version: 2024-02-01

13 papers	45 citations	1937685 4 h-index	1720034 7 g-index
13 all docs	13 docs citations	13 times ranked	56 citing authors

#	Article	IF	Citations
1	Hot electron energy relaxation time in vanadium nitride superconducting film structures under THz and IR radiation. Scientific Reports, 2020, 10, 16819.	3.3	4
2	Pulsed terahertz radiation from a double-barrier resonant tunneling diode biased into self-oscillation regime. Journal of Applied Physics, 2020, 128, .	2.5	5
3	10.6 Î¼m heterodyne receiver based on a superconducting hot-electron bolometer mixer and a quantum cascade laser. AIP Advances, 2019, 9, .	1.3	8
4	Terahertz emission from a weakly-coupled GaAs/AlGaAs superlattice biased into three different modes of current self-oscillations. AIP Advances, 2019, 9, .	1.3	1
5	Direct detection of the idler THz radiation generated by spontaneous parametric down-conversion. Optics Letters, 2019, 44, 1198.	3.3	16
6	Electric-field domain boundary instability in weakly coupled semiconductor superlattices. Journal of Applied Physics, 2016, 119, .	2.5	2
7	A weakly coupled semiconductor superlattice as a potential for a radio frequency modulated terahertz light emitter. Applied Physics Letters, 2012, 100, .	3.3	5
8	Semiconducting superlattice as a solid-state terahertz local oscillator for NbN hot-electron bolometer mixers. Technical Physics, 2012, 57, 971-974.	0.7	0
9	Heterodyne source of THz range based on semiconductor superlattice multiplier. , 2011, , .		0
10	Mutual synchronization of two coupled self-oscillators based on GaAs/AlGaAs superlattices. Technical Physics, 2011, 56, 826-830.	0.7	2
11	Infrared and terahertz detectors on basis of superconducting nanostructures. , 2010, , .		0
12	Low-noise wide-band hot-electron bolometer mixer based on an NbN film. Radiophysics and Quantum Electronics, 2009, 52, 576-582.	0.5	1
13	Fiber coupled single photon receivers based on superconducting detectors for quantum communications and quantum cryptography. Proceedings of SPIE, 2008, , .	0.8	1