Xiqu Chen

List of Publications by Year
in descending order

18	109	1478505 6	1372567 10
papers	citations	h-index	g-index

18	18	18	63
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Substrate temperature fluctuation suppression analysis for microbolometric focal plane array. Optik, 2021, 231, 166445.	2.9	0
2	Microbolometer parameters optimization for high-performance focal plane array. Optik, 2021, 240, 166910.	2.9	1
3	New CMOS readout integrated circuits for future high-performance microbolometric focal plane array. Optik, 2020, 203, 163986.	2.9	0
4	Bias voltage optimization for high signal-to-noise ratio microbolometric focal plane array. Optik, 2020, 219, 165118.	2.9	0
5	Substrate temperature compensation for microbolometric focal plane array without TEC. Optik, 2019, 188, 110-114.	2.9	3
6	Microbolometric theoretical responsivity analysis for focal plane array under pulse current bias. Optik, 2019, 177, 21-25.	2.9	4
7	Temperature compensation readout integrated circuit for microbolometric focal plane array. Optik, 2018, 155, 301-306.	2.9	4
8	Theoretical analysis on signal bandwidth for microbolometric focal plane array. Optik, 2018, 170, 452-457.	2.9	3
9	Theoretical analysis of temperature response to target temperature for microbolometer. Optik, 2017, 138, 175-179.	2.9	6
10	A new temperature compensation method for microbolometric focal plane array. Optik, 2016, 127, 7132-7136.	2.9	3
11	High-speed CMOS readout integrated circuit for small-pixel-size microbolometric focal plane array. Optik, 2016, 127, 2907-2910.	2.9	7
12	Resistance hysteresis loop characteristic analysis of VO2 thin film for high sensitive microbolometer. Optik, 2015, 126, 2718-2722.	2.9	8
13	A novel non-uniformity compensating method for microbolometric focal plane array. Optik, 2014, 125, 3311-3314.	2.9	3
14	High-speed CMOS readout integrated circuit for large-scale and high-resolution microbolometer array. Optik, 2014, 125, 3315-3318.	2.9	6
15	A versatile CMOS readout integrated circuit for microbolometric infrared focal plane arrays. Optik, 2013, 124, 4639-4641.	2.9	10
16	Responsivity analysis of micro-bolometer under pulsed bias. Optik, 2011, 122, 2143-2146.	2.9	19
17	Theoretical analysis and experimental application of CDS CMOS integrated circuit for uncooled infrared focal plane arrays. Optik, 2011, 122, 792-795.	2.9	16
18	Optical switch with low-phase transition temperature based on thin nanocrystalline VO film. Optik, 2010, 121, 1529-1533.	2.9	16