

Xiqu Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2147962/publications.pdf>

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18
papers

109
citations

1478505

6
h-index

1372567

10
g-index

18
all docs

18
docs citations

18
times ranked

63
citing authors

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