Chen Cao

List of Publications by Year
in descending order

10 papers	71 citations	1937685 4 h-index	1588992 8 g-index
10 all docs	10 docs citations	10 times ranked	58 citing authors

#	Article	IF	Citations
1	Signal-to-Noise Ratio Enhancement in Cardiac Pulse Measurements Using Multitap CMOS Image Sensors With In-Pixel Temporal Redundant Samplings. IEEE Transactions on Electron Devices, 2022, 69, 2851-2857.	3.0	1
2	A Dual NIR-Band Lock-In Pixel CMOS Image Sensor With Device Optimizations for Remote Physiological Monitoring. IEEE Transactions on Electron Devices, 2021, 68, 1688-1693.	3.0	5
3	A Time-Resolved NIR Lock-In Pixel CMOS Image Sensor With Background Cancelling Capability for Remote Heart Rate Detection. IEEE Journal of Solid-State Circuits, 2019, 54, 978-991.	5.4	7
4	3. Topic (2) Lock-in Pixel Based CMOS Image Sensors. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2019, 73, 247-251.	0.1	0
5	A Two-Tap NIR Lock-in Pixel CMOS Image Sensor with Background Light Cancelling Capability for Non-Contact Heart Rate Detection. , 2018, , .		4
6	Measurement of charge transfer potential barrier in pinned photodiode CMOS image sensors. Journal of Semiconductors, 2016, 37, 054007.	3.7	5
7	An Improved Model for the Full Well Capacity in Pinned Photodiode CMOS Image Sensors. IEEE Journal of the Electron Devices Society, 2015, 3, 306-310.	2.1	30
8	Photoelectric characteristics of an inverse U-shape buried doping design for crosstalk suppression in pinned photodiodes. Journal of Semiconductors, 2014, 35, 114009.	3.7	3
9	A quantum efficiency analytical model for complementary metalâ€"oxideâ€"semiconductor image pixels with a pinned photodiode structure. Chinese Physics B, 2014, 23, 124215.	1.4	3
10	Pinch-off voltage modeling for CMOS image pixels with a pinned photodiode structure. Journal of Semiconductors, 2014, 35, 074012.	3.7	13