

Chen Cao

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

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1937685
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10
all docs

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docs citations

10
times ranked

58
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Pinch-off voltage modeling for CMOS image pixels with a pinned photodiode structure. Journal of Semiconductors, 2014, 35, 074012.	3.7	13
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	Measurement of charge transfer potential barrier in pinned photodiode CMOS image sensors. Journal of Semiconductors, 2016, 37, 054007.	3.7	5
5	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
6	A Two-Tap NIR Lock-in Pixel CMOS Image Sensor with Background Light Cancelling Capability for Non-Contact Heart Rate Detection. , 2018, , .		4
7	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
8	A quantum efficiency analytical model for complementary metal-oxide-semiconductor image pixels with a pinned photodiode structure. Chinese Physics B, 2014, 23, 124215.	1.4	3
9	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
10	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