

# Shuang Song

## List of Publications by Year in descending order

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19  
papers

508  
citations

933447

10  
h-index

1058476

14  
g-index

19  
all docs

19  
docs citations

19  
times ranked

542  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Ultra-Low Quiescent Current Tri-Mode DC-DC Buck Converter With 92.1% Peak Efficiency for IoT Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 428-439.	5.4	20
2	Wearable Multiple Modality Bio-Signal Recording and Processing on Chip: A Review. IEEE Sensors Journal, 2021, 21, 1108-1123.	4.7	24
3	Miller Plateau Corrected with Displacement Currents and Its Use in Analyzing the Switching Process and Switching Loss. Electronics (Switzerland), 2021, 10, 2013.	3.1	1
4	A 134 DB Dynamic Range Noise Shaping Slope Light-to-Digital Converter for Wearable Chest PPG Applications. IEEE Transactions on Biomedical Circuits and Systems, 2021, 15, 1224-1235.	4.0	9
5	A Review on Recent Development of Input Impedance Boosting for Bio-Potential Amplifiers. , 2021, , .		1
6	A Fully Differential PPG Readout Amplifier with a Reconfigurable Bandwidth for Power Minimization. , 2021, , .		3
7	A 119dB Dynamic Range Charge Counting Light-to-Digital Converter For Wearable PPG/NIRS Monitoring Applications. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 800-810.	4.0	30
8	A 50 $\frac{1}{4}$ W Fully Differential Interface Amplifier With a Current Steering Class AB Output Stage for PPG and NIRS Recordings. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1564-1568.	3.0	7
9	A 5-Channel Unipolar Fetal-ECG Readout IC for Patch-Based Fetal Monitoring. IEEE Solid-State Circuits Letters, 2019, 2, 71-74.	2.0	7
10	A Bio-Impedance Readout IC With Digital-Assisted Baseline Cancellation for Two-Electrode Measurement. IEEE Journal of Solid-State Circuits, 2019, 54, 2969-2979.	5.4	35
11	A 769 $\frac{1}{4}$ W Battery-Powered Single-Chip SoC With BLE for Multi-Modal Vital Sign Monitoring Health Patches. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 1506-1517.	4.0	87
12	22.5 A Bio-Impedance Readout IC With Digital-Assisted Baseline Cancellation for 2-Electrode Measurement. , 2019, , .		8
13	Motion Artifact Reduction for Wrist-Worn Photoplethysmograph Sensors Based on Different Wavelengths. Sensors, 2019, 19, 673.	3.8	89
14	A 5-Channel Unipolar Fetal-ECG Readout IC for Patch-Based Fetal Monitoring. , 2019, , .		1
15	A 36 $\frac{1}{4}$ W 1.1 mm <sup>2</sup> Reconfigurable Analog Front-End for Cardiovascular and Respiratory Signals Recording. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 774-783.	4.0	34
16	Advances in Biomedical Sensor Systems for Wearable Health. , 2018, , 121-143.		2
17	A 665 $\frac{1}{4}$ W Silicon Photomultiplier-Based NIRS/EEG/EIT Monitoring ASIC for Wearable Functional Brain Imaging. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1267-1277.	4.0	44
18	A Noise Reconfigurable Current-Reuse Resistive Feedback Amplifier with Signal Dependent Power Consumption for Fetal ECG Monitoring. IEEE Sensors Journal, 2016, , 1-1.	4.7	13

#	ARTICLE	IF	CITATIONS
19	A Low-Voltage Chopper-Stabilized Amplifier for Fetal ECG Monitoring With a 1.41 Power Efficiency Factor. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 237-247.	4.0	93