

Zhixuan Wang

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

112
citations

1937685

4
h-index

2053705

5
g-index

8
all docs

8
docs citations

8
times ranked

85
citing authors

#	ARTICLE	IF	CITATIONS
1	20.2 A 57nW Software-Defined Always-On Wake-Up Chip for IoT Devices with Asynchronous Pipelined Event-Driven Architecture and Time-Shielding Level-Crossing ADC. , 2020, , .		24
2	The Challenges and Emerging Technologies for Low-Power Artificial Intelligence IoT Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 4821-4834.	5.4	24
3	A 148-nW Reconfigurable Event-Driven Intelligent Wake-Up System for AIoT Nodes Using an Asynchronous Pulse-Based Feature Extractor and a Convolutional Neural Network. IEEE Journal of Solid-State Circuits, 2021, 56, 3274-3288.	5.4	18
4	Ultra-Low-Power and Performance-Improved Logic Circuit Using Hybrid TFET-MOSFET Standard Cells Topologies and Optimized Digital Front-End Process. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1160-1170.	5.4	12
5	A Software-Defined Always-On System With 57â€“75-nW Wake-Up Function Using Asynchronous Clock-Free Pipelined Event-Driven Architecture and Time-Shielding Level-Crossing ADC. IEEE Journal of Solid-State Circuits, 2021, 56, 2804-2816.	5.4	12
6	Ultra-Low Power Hybrid TFET-MOSFET Topologies for Standard Logic Cells with Improved Comprehensive Performance. , 2019, , .		11
7	Combinational Access Tunnel FET SRAM for Ultra-Low Power Applications. , 2018, , .		10
8	Re-Assessment of Steep-Slope Device Design From a Circuit-Level Perspective Using Novel Evaluation Criteria and Model-Less Method. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1624-1635.	5.4	1