

# Rajeevan Amirtharajah

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

397  
citations

1684188

5  
h-index

1720034

7  
g-index

24  
all docs

24  
docs citations

24  
times ranked

437  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Solar Energy Harvesting and Storage. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2009, 17, 627-637.	3.1	103
2	Comparative life cycle assessment of smartphone reuse: repurposing vs. refurbishment. International Journal of Life Cycle Assessment, 2014, 19, 1099-1109.	4.7	96
3	A Full-Wave Rectifier With Integrated Peak Selection for Multiple Electrode Piezoelectric Energy Harvesters. IEEE Journal of Solid-State Circuits, 2009, 44, 240-246.	5.4	37
4	Design and evaluation of an arbitration-free passive optical crossbar for on-chip interconnection networks. Applied Physics A: Materials Science and Processing, 2009, 95, 1111-1118.	2.3	28
5	Integrated Energy-Harvesting Photodiodes With Diffractive Storage Capacitance. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2013, 21, 486-497.	3.1	25
6	A hybrid RF and vibration energy harvester for wearable devices. , 2018, , .		22
7	Ultra-low-voltage circuits for sensor applications powered by free-space optics. , 2010, , .		14
8	Integrated Solar Energy Harvesting and Storage. , 2006, , .		12
9	A Resonant 1:5 Cockcroft-Walton Converter Utilizing GaN FET Switches with N-Phase and Split-Phase Clocking. , 2020, , .		10
10	Design and evaluation of an optical CPU-DRAM interconnect. , 2008, , .		8
11	Performance Evaluation of a Multicore System with Optically Connected Memory Modules. , 2010, , .		7
12	Pulse skipping modulation method for multiple input buck boost converter. , 2018, , .		6
13	An Energy Scalable Computational Array for Sensor Signal Processing. , 2006, , .		4
14	Analysis of DC-DC Conversion for Energy Harvesting Systems Using a Mixed-Signal Sliding-Mode Controller. , 2007, , .		4
15	A Resonant Cockcroft-Walton Switched-Capacitor Converter Achieving Full ZCS and >10kW/inch <sup>3</sup> Power Density. , 2019, , .		4
16	A Bias-Flip Interface and Dual-Input DC-DC Converter for Piezoelectric and RF Energy Harvesting. , 2021, , .		4
17	Circuit interfaces and optimization for resistive nanosensors. , 2005, , .		3
18	Interface circuits for multiphase piezoelectric energy harvesters. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	3

#	ARTICLE	IF	CITATIONS
19	Ultralow-Power Optical CDR for Integrated Photovoltaic Energy-Harvesting Sensors. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 832-836.	3.0	3
20	Switched-capacitor boost converter design and modeling for indoor optical energy harvesting with integrated photodiodes. , 2013, , .		2
21	Radiation Patterns of an RF Energy Harvesting Necklace on Human Body Phantom. , 2018, , .		2
22	An Energy Scalable Functional Unit for Sensor Signal Processing. , 2007, , .		0
23	Runtime Adaptation of Applications Using Design Of Experiments: A Smartphone-Based Case Study. IEEE Embedded Systems Letters, 2014, 6, 25-28.	1.9	0
24	A 170nW CMOS wake-up receiver with $\hat{\sim}$ 60 dBm sensitivity using AlN high-Q piezoelectric resonators. , 2017, , .		0