Anantha Chandrakasan

List of Publications by Year
in descending order

17 papers	1,629 citations	1163117 8 h-index	1372567 10 g-index
17 all docs	17 docs citations	17 times ranked	1610 citing authors

#	Article	IF	Citations
1	Physical layer driven protocol and algorithm design for energy-efficient wireless sensor networks. , 2001, , .		702
2	Modern microprocessor built from complementary carbon nanotube transistors. Nature, 2019, 572, 595-602.	27.8	464
3	Breaking the simulation barrier: SRAM evaluation through norm minimization. , 2008, , .		94
4	Design Considerations for Energy-Efficient Radios in Wireless Microsensor Networks. Journal of Signal Processing Systems, 2004, 37, 77-94.	1.0	69
5	A framework for energy-scalable communication in high-density wireless networks. , 2002, , .		64
6	MobiCom poster. Mobile Computing and Communications Review, 2003, 7, 65-67.	1.7	60
7	Energy-Aware Design of Compressed Sensing Systems for Wireless Sensors Under Performance and Reliability Constraints. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 650-661.	5.4	38
8	Lack of Spatial Correlation in MOSFET Threshold Voltage Variation and Implications for Voltage Scaling. IEEE Transactions on Semiconductor Manufacturing, 2009, 22, 245-255.	1.7	33
9	The Effect of Random Dopant Fluctuations on Logic Timing at Low Voltage. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2012, 20, 911-924.	3.1	26
10	All-Digital Circuits for Measurement of Spatial Variation in Digital Circuits. IEEE Journal of Solid-State Circuits, 2010, 45, 640-651.	5.4	25
11	Energy-efficient waveform for electrical stimulation of the cochlear nerve. Scientific Reports, 2017, 7, 13582.	3.3	22
12	Thermal energy harvesting for self-powered smart home sensors. , 2016, , .		9
13	Reduction of Variation-Induced Energy Overhead in Multi-Core Processors. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2011, 30, 891-904.	2.7	8
14	A pilot study to determine vitiligo target size using a computer-based image analysis program. Journal of the American Academy of Dermatology, 2015, 73, 342-345.	1.2	8
15	An all-digital, highly scalable architecture for measurement of spatial variation in digital circuits. , 2008, , .		5
16	Zero-crossing detector based reconfigurable analog system. , 2010, , .		2
17	An oscilloscope array for high-impedance device characterization. , 2009, , .		0