David Blaauw

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A 510-pW 32-kHz Crystal Oscillator With High Energy-to-Noise-Ratio Pulse Injection. IEEE Journal of Solid-State Circuits, 2022, 57, 434-451. | 5.4 | 4 |
| 2 | A Delta Sigma-Modulated Sample and Average Common-Mode Feedback Technique for Capacitively Coupled Amplifiers in a 192-nW Acoustic Analog Front-End. IEEE Journal of Solid-State Circuits, 2022, 57, 1138-1152. | 5.4 | 2 |
| 3 | A Light-Tolerant Wireless Neural Recording IC for Motor Prediction With Near-Infrared-Based Power and Data Telemetry. IEEE Journal of Solid-State Circuits, 2022, 57, 1061-1074. | 5.4 | 19 |
| 4 | Versa: A 36-Core Systolic Multiprocessor With Dynamically Reconfigurable Interconnect and Memory. IEEE Journal of Solid-State Circuits, 2022, 57, 986-998. | 5.4 | 4 |
| 5 | A 43 nW, 32 kHz, ±4.2 ppm Piecewise Linear Temperature-Compensated Crystal Oscillator With ΔΣ-Modulated Load Capacitance. IEEE Journal of Solid-State Circuits, 2022, 57, 1175-1186. | 5.4 | 1 |
| 6 | A Power-Efficient Brain-Machine Interface System With a Sub-mw Feature Extraction and Decoding ASIC Demonstrated in Nonhuman Primates. IEEE Transactions on Biomedical Circuits and Systems, 2022, 16, 395-408. | 4.0 | 6 |
| 7 | A low-power communication scheme for wireless, 1000 channel brain–machine interfaces. Journal of Neural Engineering, 2022, 19, 036037. | 3.5 | 6 |
| 8 | A 2.46M Reads/s Seed-Extension Accelerator for Next-Generation Sequencing Using a String-Independent PE Array. IEEE Journal of Solid-State Circuits, 2021, 56, 824-833. | 5.4 | 0 |
| 9 | An Analog-Assisted Digital LDO With Single Subthreshold Output pMOS Achieving 1.44-fs FOM. IEEE Solid-State Circuits Letters, 2021, 4, 154-157. | 2.0 | 4 |
| 10 | RRAM-DNN: An RRAM and Model-Compression Empowered All-Weights-On-Chip DNN Accelerator. IEEE Journal of Solid-State Circuits, 2021, 56, 1105-1115. | 5.4 | 18 |
| 11 | Bridging the "Last Millimeter―Gap of Brain-Machine Interfaces via Near-Infrared Wireless Power Transfer and Data Communications. ACS Photonics, 2021, 8, 1430-1438. | 6.6 | 23 |
| 12 | An Ultra-Low-Power Image Signal Processor for Hierarchical Image Recognition With Deep Neural Networks. IEEE Journal of Solid-State Circuits, 2021, 56, 1071-1081. | 5.4 | 7 |
| 13 | Physical Layer Secret Key Generation Using Joint Interference and Phase Shift Keying Modulation. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2673-2685. | 4.6 | 8 |
| 14 | A Light Tolerant Neural Recording IC for Near-Infrared-Powered Free Floating Motes. , 2021, 2021, . | | 7 |
| 15 | A 192 nW 0.02 Hz High Pass Corner Acoustic Analog Front-End with Automatic Saturation Detection and Recovery. , 2021, , . | | 2 |
| 16 | Versa: A Dataflow-Centric Multiprocessor with 36 Systolic ARM Cortex-M4F Cores and a Reconfigurable Crossbar-Memory Hierarchy in 28nm. , 2021, , . | | 2 |
| 17 | Millimeter-sized smart sensors reveal that a solar refuge protects tree snail Partula hyalina from extirpation. Communications Biology, 2021, 4, 744. | 4.4 | 4 |
| 18 | Reference Oversampling PLL Achieving â^'256-dB FoM and â î78-dBc Reference Spur. IEEE Journal of Solid-State Circuits, 2021, 56, 2993-3007. | 5.4 | 12 |

| # | Article | IF | CITATIONS |
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| 19 | A High-Throughput Pruning-Based Pair-Hidden-Markov-Model Hardware Accelerator for Next-Generation DNA Sequencing. IEEE Solid-State Circuits Letters, 2021, 4, 31-35. | 2.0 | 3 |
| 20 | A 40-nm Ultra-Low Leakage Voltage-Stacked SRAM for Intelligent IoT Sensors. IEEE Solid-State Circuits Letters, 2021, 4, 14-17. | 2.0 | 9 |
| 21 | Ultra-Low Power 32kHz Crystal Oscillators: Fundamentals and Design Techniques. IEEE Open Journal of the Solid-State Circuits Society, 2021, 1, 79-93. | 2.7 | 1 |
| 22 | A 28-nm Compute SRAM With Bit-Serial Logic/Arithmetic Operations for Programmable In-Memory Vector Computing. IEEE Journal of Solid-State Circuits, 2020, 55, 76-86. | 5.4 | 109 |
| 23 | A Self-Tuning IoT Processor Using Leakage-Ratio Measurement for Energy-Optimal Operation. IEEE Journal of Solid-State Circuits, 2020, 55, 87-97. | 5.4 | 33 |
| 24 | A Microelectronic Sensor Device Powered by a Small Implantable Biofuel Cell. ChemPhysChem, 2020, 21, 120-128. | 2.1 | 44 |
| 25 | Millimeter-Scale Node-to-Node Radio Using a Carrier Frequency-Interlocking IF Receiver for a Fully Integrated 4\$imes\$ 4\$imes\$ 4 mm ³ Wireless Sensor Node. IEEE Journal of Solid-State Circuits, 2020, 55, 1128-1138. | 5.4 | 11 |
| 26 | Sample and Average Common-Mode Feedback in a 101 nW Acoustic Amplifier. , 2020, , . | | 3 |
| 27 | A low-power band of neuronal spiking activity dominated by local single units improves the performance of brain–machine interfaces. Nature Biomedical Engineering, 2020, 4, 973-983. | 22.5 | 73 |
| 28 | A 0.3-V to 1.8–3.3-V Leakage-Biased Synchronous Level Converter for ULP SoCs. IEEE Solid-State Circuits Letters, 2020, 3, 130-133. | 2.0 | 6 |
| 29 | Dual-Junction GaAs Photovoltaics for Low Irradiance Wireless Power Transfer in Submillimeter-Scale Sensor Nodes. IEEE Journal of Photovoltaics, 2020, 10, 1721-1726. | 2.5 | 6 |
| 30 | A 67-fs _{rms} Jitter, â^'130 dBc/Hz In-Band Phase Noise, â^'256-dB FoM Reference Oversampling Digital PLL With Proportional Path Timing Control. IEEE Solid-State Circuits Letters, 2020, 3, 430-433. | 2.0 | 7 |
| 31 | AA-ResNet: Energy Efficient All-Analog ResNet Accelerator. , 2020, , . | | 2 |
| 32 | Introduction to the Special Issue on the 2020 IEEE International Solid-State Circuits Conference (ISSCC). IEEE Journal of Solid-State Circuits, 2020, 55, 3127-3130. | 5.4 | 0 |
| 33 | A 7.3 M Output Non-Zeros/J, 11.7 M Output Non-Zeros/GB Reconfigurable Sparse Matrix–Matrix Multiplication Accelerator. IEEE Journal of Solid-State Circuits, 2020, 55, 933-944. | 5.4 | 12 |
| 34 | 26.9 A 0.19×0.17mm ² Wireless Neural Recording IC for Motor Prediction with Near-Infrared-Based Power and Data Telemetry. , 2020, 2020, 416-418. | | 29 |
| 35 | Transmuter. , 2020, , . | | 13 |
| 36 | A\$mu\$Processor Layer for mm-Scale Die-Stacked Sensing Platforms Featuring Ultra-Low Power Sleep Mode at 125°C. , 2020, , . | | 1 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Low Complexity, Hardware-Efficient Neighbor-Guided SGM Optical Flow for Low-Power Mobile Vision Applications. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2191-2204. | 8.3 | 5 |
| 38 | loT ² — the Internet of Tiny Things: Realizing mm-Scale Sensors through 3D Die Stacking. , 2019, , . | | 10 |
| 39 | An Acoustic Signal Processing Chip With 142-nW Voice Activity Detection Using Mixer-Based Sequential Frequency Scanning and Neural Network Classification. IEEE Journal of Solid-State Circuits, 2019, 54, 3005-3016. | 5.4 | 35 |
| 40 | An Efficient Piezoelectric Energy Harvesting Interface Circuit Using a Sense-and-Set Rectifier. IEEE Journal of Solid-State Circuits, 2019, 54, 3348-3361. | 5.4 | 27 |
| 41 | A Novel Physical Layer Security Technique Using Master-Slave Full Duplex Communication. , 2019, , . | | 6 |
| 42 | Energy-Efficient Motion-Triggered IoT CMOS Image Sensor With Capacitor Array-Assisted Charge-Injection SAR ADC. IEEE Journal of Solid-State Circuits, 2019, 54, 2921-2931. | 5.4 | 25 |
| 43 | 5.2 Energy-Efficient Low-Noise CMOS Image Sensor with Capacitor Array-Assisted Charge-Injection SAR ADC for Motion-Triggered Low-Power IoT Applications. , 2019, , . | | 27 |
| 44 | 27.2 An Adiabatic Sense and Set Rectifier for Improved Maximum-Power-Point Tracking in Piezoelectric Harvesting with 541% Energy Extraction Gain. , 2019, , . | | 11 |
| 45 | Highâ€efficiency photovoltaic modules on a chip for millimeterâ€scale energy harvesting. Progress in Photovoltaics: Research and Applications, 2019, 27, 540-546. | 8.1 | 17 |
| 46 | The Internet of Tiny Things: Recent Advances of Millimeter-Scale Computing. IEEE Design and Test, 2019, 36, 65-72. | 1.2 | 14 |
| 47 | A 1920 \$imes\$ 1080 25-Frames/s 2.4-TOPS/W Low-Power 6-D Vision Processor for Unified Optical Flow and Stereo Depth With Semi-Global Matching. IEEE Journal of Solid-State Circuits, 2019, 54, 1048-1058. | 5.4 | 20 |
| 48 | A Reference Oversampling Digital Phase-Locked Loop with -240 dB FOM and -80 dBc Reference Spur. , 2019, , . | | 6 |
| 49 | A 42 nJ/Conversion On-Demand State-of-Charge Indicator for Miniature IoT Li-Ion Batteries. IEEE Journal of Solid-State Circuits, 2019, 54, 524-537. | 5.4 | 6 |
| 50 | A 1-Mb 28-nm 1T1MTJ STT-MRAM With Single-Cap Offset-Cancelled Sense Amplifier and <italic>In Situ</italic> Self-Write-Termination. IEEE Journal of Solid-State Circuits, 2019, 54, 231-239. | 5.4 | 33 |
| 51 | A 4 + 2T SRAM for Searching and In-Memory Computing With 0.3-V \$V_{mathrm {DDmin}}\$. IEEE Journal of Solid-State Circuits, 2018, 53, 1006-1015. | 5.4 | 61 |
| 52 | OuterSPACE: An Outer Product Based Sparse Matrix Multiplication Accelerator. , 2018, , . | | 142 |
| 53 | Recryptor: A Reconfigurable Cryptographic Cortex-M0 Processor With In-Memory and Near-Memory Computing for IoT Security. IEEE Journal of Solid-State Circuits, 2018, 53, 995-1005. | 5.4 | 75 |
| 54 | Always-On 12-nW Acoustic Sensing and Object Recognition Microsystem for Unattended Ground Sensor Nodes. IEEE Journal of Solid-State Circuits, 2018, 53, 261-274. | 5.4 | 45 |

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|----|---|-----|-----------|
| 55 | A Noise-Efficient Neural Recording Amplifier Using Discrete-Time Parametric Amplification. IEEE Solid-State Circuits Letters, 2018, 1, 203-206. | 2.0 | 6 |
| 56 | GenAx: A Genome Sequencing Accelerator. , 2018, , . | | 48 |
| 57 | A Subthreshold Voltage Reference With Scalable Output Voltage for Low-Power IoT Systems. IEEE Journal of Solid-State Circuits, 2017, 52, 1443-1449. | 5.4 | 156 |
| 58 | A 23-mW Face Recognition Processor with Mostly-Read 5T Memory in 40-nm CMOS. IEEE Journal of Solid-State Circuits, 2017, 52, 1628-1642. | 5.4 | 31 |
| 59 | 8.3 A 553F ² 2-transistor amplifier-based Physically Unclonable Function (PUF) with 1.67% native instability. , 2017, , . | | 84 |
| 60 | Subcutaneous Photovoltaic Infrared Energy Harvesting for Bio-implantable Devices. IEEE Transactions on Electron Devices, 2017, 64, 2432-2437. | 3.0 | 65 |
| 61 | Circuit and System Designs of Ultra-Low Power Sensor Nodes With Illustration in a Miniaturized GNSS Logger for Position Tracking: Part l—Analog Circuit Techniques. IEEE Transactions on Circuits and Systems I: Regular Papers, 2017, 64, 2237-2249. | 5.4 | 25 |
| 62 | A start-up boosting circuit with 133 $	ilde{A}-$ speed gain for 2-transistor voltage reference. , 2017, , . | | 0 |
| 63 | Infrared Energy Harvesting in Millimeter-Scale GaAs Photovoltaics. IEEE Transactions on Electron Devices, 2017, 64, 4554-4560. | 3.0 | 12 |
| 64 | A Fully Integrated Counter Flow Energy Reservoir for Peak Power Delivery in Small Form-Factor Sensor Systems. IEEE Journal of Solid-State Circuits, 2017, 52, 3155-3167. | 5.4 | 0 |
| 65 | A 1.7nW PLL-assisted current injected 32KHz crystal oscillator for IoT. , 2017, , . | | 11 |
| 66 | Small-Area Si Photovoltaics for Low-Flux Infrared Energy Harvesting. IEEE Transactions on Electron Devices, 2017, 64, 15-20. | 3.0 | 18 |
| 67 | Hardware Designs for Security in Ultra-Low-Power IoT Systems: An Overview and Survey. IEEE Micro, 2017, 37, 72-89. | 1.8 | 54 |
| 68 | A 0.3V VDDmin 4+2T SRAM for searching and in-memory computing using 55nm DDC technology. , 2017, , | | 32 |
| 69 | Subthreshold voltage reference with nwell/psub diode leakage compensation for low-power high-temperature systems. , 2017, , . | | 14 |
| 70 | A 1.02nW PMOS-only, trim-free current reference with 282ppm/°C from â~'40°C to 120°C and 1.6% within-wafer inaccuracy. , 2017, , . | | 17 |
| 71 | A 42nJ/conversion on-demand state-of-charge indicator for miniature IoT Li-ion batteries. , 2017, , . | | 2 |
| 72 | Low complexity optical flow using neighbor-guided semi-global matching. , 2016, , . | | 7 |

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| 73 | A Dual-Stage, Ultra-Low-Power Acoustic Event Detection System. , 2016, , . | | 11 |
| 74 | 21.4 A >78%-efficient light harvester over 100-to-100klux with reconfigurable PV-cell network and MPPT circuit. , 2016, 2016, 370-371. | | 32 |
| 75 | Using Low Cost Erasure and Error Correction Schemes to Improve Reliability of Commodity DRAM Systems. IEEE Transactions on Computers, 2016, 65, 3766-3779. | 3.4 | 9 |
| 76 | A Resonant Current-Mode Wireless Power Receiver and Battery Charger With â^'32 dBm Sensitivity for Implantable Systems. IEEE Journal of Solid-State Circuits, 2016, 51, 2880-2892. | 5.4 | 36 |
| 77 | Battery Voltage Supervisors for Miniature IoT Systems. IEEE Journal of Solid-State Circuits, 2016, 51, 2743-2756. | 5.4 | 23 |
| 78 | A 380pW dual mode optical wake-up receiver with ambient noise cancellation. , 2016, 2016, . | | 4 |
| 79 | Supply boosting for high-performance processors in flip-chip packages. , 2016, , . | | 0 |
| 80 | MBus: A System Integration Bus for the Modular Microscale Computing Class. IEEE Micro, 2016, 36, 60-70. | 1.8 | 9 |
| 81 | Millimeter-scale computing platform for next generation of Internet of Things. , 2016, , . | | 4 |
| 82 | Energy Harvesting for GaAs Photovoltaics Under Low-Flux Indoor Lighting Conditions. IEEE Transactions on Electron Devices, 2016, 63, 2820-2825. | 3.0 | 49 |
| 83 | A 5.58 nW Crystal Oscillator Using Pulsed Driver for Real-Time Clocks. IEEE Journal of Solid-State Circuits, 2016, 51, 509-522. | 5.4 | 32 |
| 84 | A Low Ripple Switched-Capacitor Voltage Regulator Using Flying Capacitance Dithering. IEEE Journal of Solid-State Circuits, 2016, 51, 919-929. | 5.4 | 26 |
| 85 | A Constant Energy-Per-Cycle Ring Oscillator Over a Wide Frequency Range for Wireless Sensor Nodes. IEEE Journal of Solid-State Circuits, 2016, 51, 697-711. | 5.4 | 41 |
| 86 | Approximate SRAMs With Dynamic Energy-Quality Management. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2016, 24, 2128-2141. | 3.1 | 37 |
| 87 | FOCUS: Key building blocks and integration strategy of a miniaturized wireless sensor node. , 2015, , . | | 3 |
| 88 | AlGaAs Photovoltaics for Indoor Energy Harvesting in mm-Scale Wireless Sensor Nodes. IEEE Transactions on Electron Devices, 2015, 62, 2170-2175. | 3.0 | 87 |
| 89 | System-On-Mud: Ultra-Low Power Oceanic Sensing Platform Powered by Small-Scale Benthic Microbial Fuel Cells. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, , 1-10. | 5.4 | 18 |
| 90 | A 5.8 nW CMOS Wake-Up Timer for Ultra-Low-Power Wireless Applications. IEEE Journal of Solid-State Circuits, 2015, 50, 1754-1763. | 5.4 | 47 |

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| 91 | SRAM for Error-Tolerant Applications With Dynamic Energy-Quality Management in 28 nm CMOS. IEEE Journal of Solid-State Circuits, 2015, 50, 1310-1323. | 5.4 | 54 |
| 92 | MBus. , 2015, 2015, 629-641. | | 11 |
| 93 | Dual-slope capacitance to digital converter integrated in an implantable pressure sensing system. , 2014, , . | | 8 |
| 94 | A 23pW, 780ppm/°C resistor-less current reference using subthreshold MOSFETs. , 2014, , . | | 30 |
| 95 | Low-Power High-Throughput LDPC Decoder Using Non-Refresh Embedded DRAM. IEEE Journal of Solid-State Circuits, 2014, 49, 783-794. | 5.4 | 57 |
| 96 | An Ultra-Low Power Fully Integrated Energy Harvester Based on Self-Oscillating Switched-Capacitor Voltage Doubler. IEEE Journal of Solid-State Circuits, 2014, 49, 2800-2811. | 5.4 | 139 |
| 97 | A 346 µm 2 VCO-Based, Reference-Free, Self-Timed Sensor Interface for Cubic-Millimeter Sensor Nodes in 28 nm CMOS. IEEE Journal of Solid-State Circuits, 2014, 49, 2462-2473. | 5.4 | 25 |
| 98 | A Modular 1 mm\$^{3}\$ Die-Stacked Sensing Platform With Low Power I\$^{2}\$C Inter-Die Communication and Multi-Modal Energy Harvesting. IEEE Journal of Solid-State Circuits, 2013, 48, 229-243. | 5.4 | 165 |
| 99 | Low-Power Circuit Analysis and Design Based on Heterojunction Tunneling Transistors (HETTs). IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2013, 21, 1632-1643. | 3.1 | 48 |
| 100 | Achieving Ultralow Standby Power With an Efficient SCCMOS Bias Generator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 842-846. | 3.0 | 5 |
| 101 | A Statistical Framework for Post-Fabrication Oxide Breakdown Reliability Prediction and Management. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2013, 32, 630-643. | 2.7 | 3 |
| 102 | Circuit and System Design Guidelines for Ultra-low Power Sensor Nodes. IPSJ Transactions on System LSI Design Methodology, 2013, 6, 17-26. | 0.8 | 8 |
| 103 | Demo: Ultra-constrained sensor platform interfacing. , 2012, , . | | 1 |
| 104 | SLC: Split-control Level Converter for dense and stable wide-range voltage conversion. , 2012, , . | | 29 |
| 105 | A 1.6-mm ² 38-mW 1.5-Gb/s LDPC decoder enabled by refresh-free embedded DRAM. , 2012, , . | | 10 |
| 106 | Swizzle-Switch Networks for Many-Core Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2012, 2, 278-294. | 3.6 | 68 |
| 107 | Circuits for ultra-low power millimeter-scale sensor nodes. , 2012, , . | | 1 |
| 108 | Design Methodology for Voltage-Overscaled Ultra-Low-Power Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 952-956. | 3.0 | 23 |

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| 109 | A Portable 2-Transistor Picowatt Temperature-Compensated Voltage Reference Operating at 0.5 V. IEEE Journal of Solid-State Circuits, 2012, 47, 2534-2545. | 5.4 | 310 |
| 110 | A 5.58nW 32.768kHz DLL-assisted XO for real-time clocks in wireless sensing applications. , 2012, , . | | 20 |
| 111 | A 4.5Tb/s 3.4Tb/s/W 64×64 switch fabric with self-updating least-recently-granted priority and quality-of-service arbitration in 45nm CMOS. , 2012, , . | | 11 |
| 112 | A 1.85fW/bit ultra low leakage 10T SRAM with speed compensation scheme. , 2011, , . | | 19 |
| 113 | A 128kb high density portless SRAM using hierarchical bitlines and thyristor sense amplifiers. , 2011, , . | | 2 |
| 114 | CAS-FEST 2010: Mitigating Variability in Near-Threshold Computing. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2011, 1, 42-49. | 3.6 | 41 |
| 115 | Robust Clock Network Design Methodology for Ultra-Low Voltage Operations. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2011, 1, 120-130. | 3.6 | 15 |
| 116 | Process Variation and Temperature-Aware Full Chip Oxide Breakdown Reliability Analysis. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2011, 30, 1321-1334. | 2.7 | 20 |
| 117 | Fast Statistical Static Timing Analysis Using Smart Monte Carlo Techniques. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2011, 30, 852-865. | 2.7 | 23 |
| 118 | A confidence-driven model for error-resilient computing. , 2011, , . | | 2 |
| 119 | Energy-optimized high performance FFT processor. , 2011, , . | | 7 |
| 120 | Synchronization of ultra-low power wireless sensor nodes. , 2011, , . | | 4 |
| 121 | Variation-aware static and dynamic writability analysis for voltage-scaled bit-interleaved 8-T SRAMs. , 2011, , . | | 15 |
| 122 | A dual-passband filter architecture for dual-band systems. , 2011, , . | | 2 |
| 123 | Near-Threshold Computing: Reclaiming Moore's Law Through Energy Efficient Integrated Circuits. Proceedings of the IEEE, 2010, 98, 253-266. | 21.3 | 678 |
| 124 | Millimeter-scale nearly perpetual sensor system with stacked battery and solar cells. , 2010, , . | | 153 |
| 125 | Yield-Driven Near-Threshold SRAM Design. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2010, 18, 1590-1598. | 3.1 | 79 |
| 126 | Victim Alignment in Crosstalk-Aware Timing Analysis. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2010, 29, 261-274. | 2.7 | 5 |

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| 127 | A highly resilient routing algorithm for fault-tolerant NoCs. , 2009, , . | | 136 |
| 128 | A Low-Voltage Processor for Sensing Applications With Picowatt Standby Mode. IEEE Journal of Solid-State Circuits, 2009, 44, 1145-1155. | 5.4 | 147 |
| 129 | True Random Number Generator With a Metastability-Based Quality Control. IEEE Journal of Solid-State Circuits, 2008, 43, 78-85. | 5.4 | 142 |
| 130 | A Variation-Tolerant Sub-200 mV 6-T Subthreshold SRAM. IEEE Journal of Solid-State Circuits, 2008, 43, 2338-2348. | 5.4 | 116 |
| 131 | STEEL: A technique for stress-enhanced standard cell library design. , 2008, , . | | 7 |
| 132 | Self-Timed Regenerators for High-Speed and Low-Power On-Chip Global Interconnect. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2008, 16, 673-677. | 3.1 | 4 |
| 133 | A statistical approach for full-chip gate-oxide reliability analysis. , 2008, , . | | 18 |
| 134 | Standby power reduction techniques for ultra-low power processors. , 2008, , . | | 5 |
| 135 | Robust ultra-low voltage ROM design. , 2008, , . | | 16 |
| 136 | Energy-Optimal Circuit Design 2007 | | 0 |

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