## Paul Leroux

## List of Publications by Year in descending order

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| 139      | 1,438          | 16 h-index   | 30                  |
|----------|----------------|--------------|---------------------|
| papers   | citations      |              | g-index             |
| 149      | 149            | 149          | 1014 citing authors |
| all docs | docs citations | times ranked |                     |

| #                    | Article  | IF                       | CITATIONS  |
|----------------------|--|--------------------------|--|
| 1                    | Analysis of an Indoor Biomedical Radar-Based System for Health Monitoring. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2061-2068.  | 2.9                      | 147  |
| 2                    | Embedded DSP-Based Telehealth Radar System for Remote In-Door Fall Detection. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 92-101.   | 3.9                      | 78   |
| 3                    | Low-voltage low-power CMOS-RF transceiver design. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 281-287.   | 2.9                      | 72   |
| 4                    | A 0.8-dB NF ESD-Protected 9-mW CMOS LNA operating at 1.23 GHz [for GPS receiver]. IEEE Journal of Solid-State Circuits, 2002, 37, 760-765.   | 3.5                      | 71   |
| 5                    | High-performance 5.2 GHz LNA with on-chip inductor to provide ESD protection. Electronics Letters, 2001, 37, 467.  | 0.5                      | 67   |
| 6                    | 1-1-1 MASH \$Delta Sigma\$ Time-to-Digital Converters With 6 ps Resolution and Third-Order Noise-Shaping. IEEE Journal of Solid-State Circuits, 2012, 47, 2093-2106.   | 3.5                      | 50   |
| 7                    | Comparison of a 65 nm CMOS Ring- and LC-Oscillator Based PLL in Terms of TID and SEU Sensitivity. IEEE Transactions on Nuclear Science, 2017, 64, 245-252.   | 1.2                      | 46   |
| 8                    | A 63,000 Q-factor relaxation oscillator with switched-capacitor integrated error feedback. , 2013, , .   |                          | 42   |
| 9                    | SFCW microwave radar for in-door fall detection. , 2012, , .   |                          | 39   |
|                      |  |                          |  |
| 10                   | Low-power electronic technologies for harsh radiation environments. Nature Electronics, 2021, 4, 243-253.  | 13.1                     | 39   |
| 10                   |  | 13.1                     | 39   |
|                      | A 2.56-GHz SEU Radiation Hard \$LC\$ -Tank VCO for High-Speed Communication Links in 65-nm CMOS  |                          |  |
| 11                   | A 2.56-GHz SEU Radiation Hard \$LC\$ -Tank VCO for High-Speed Communication Links in 65-nm CMOS Technology. IEEE Transactions on Nuclear Science, 2018, 65, 407-412.  Geometry and Strain Dependence of the Proton Radiation Behavior of MuGFET Devices. IEEE  | 1.2                      | 34   |
| 11 12                | A 2.56-GHz SEU Radiation Hard \$LC\$ -Tank VCO for High-Speed Communication Links in 65-nm CMOS Technology. IEEE Transactions on Nuclear Science, 2018, 65, 407-412.  Geometry and Strain Dependence of the Proton Radiation Behavior of MuGFET Devices. IEEE Transactions on Nuclear Science, 2007, 54, 2227-2232.  Influence of Fin Width on the Total Dose Behavior of p-Channel Bulk MuGFETs. IEEE Electron Device   | 1.2                      | 29   |
| 11<br>12<br>13       | A 2.56-GHz SEU Radiation Hard \$LC\$ -Tank VCO for High-Speed Communication Links in 65-nm CMOS Technology. IEEE Transactions on Nuclear Science, 2018, 65, 407-412.  Geometry and Strain Dependence of the Proton Radiation Behavior of MuGFET Devices. IEEE Transactions on Nuclear Science, 2007, 54, 2227-2232.  Influence of Fin Width on the Total Dose Behavior of p-Channel Bulk MuGFETs. IEEE Electron Device Letters, 2010, 31, 243-245.  A Novel Modular Radiation Hardening Approach Applied to a Synchronous Buck Converter.  | 1.2<br>1.2<br>2.2        | 34<br>29<br>26   |
| 11<br>12<br>13       | A 2.56-GHz SEU Radiation Hard \$LC\$ -Tank VCO for High-Speed Communication Links in 65-nm CMOS Technology. IEEE Transactions on Nuclear Science, 2018, 65, 407-412.  Geometry and Strain Dependence of the Proton Radiation Behavior of MuGFET Devices. IEEE Transactions on Nuclear Science, 2007, 54, 2227-2232.  Influence of Fin Width on the Total Dose Behavior of p-Channel Bulk MuGFETs. IEEE Electron Device Letters, 2010, 31, 243-245.  A Novel Modular Radiation Hardening Approach Applied to a Synchronous Buck Converter. Electronics (Switzerland), 2019, 8, 513.  A Review of Semiconductor Based Ionising Radiation Sensors Used in Harsh Radiation Environments  | 1.2<br>1.2<br>2.2<br>1.8 | 29<br>26<br>25   |
| 11<br>12<br>13<br>14 | A 2.56-GHz SEU Radiation Hard \$LC\$ -Tank VCO for High-Speed Communication Links in 65-nm CMOS Technology. IEEE Transactions on Nuclear Science, 2018, 65, 407-412.  Geometry and Strain Dependence of the Proton Radiation Behavior of MuGFET Devices. IEEE Transactions on Nuclear Science, 2007, 54, 2227-2232.  Influence of Fin Width on the Total Dose Behavior of p-Channel Bulk MuGFETs. IEEE Electron Device Letters, 2010, 31, 243-245.  A Novel Modular Radiation Hardening Approach Applied to a Synchronous Buck Converter. Electronics (Switzerland), 2019, 8, 513.  A Review of Semiconductor Based Ionising Radiation Sensors Used in Harsh Radiation Environments and Their Applications. Radiation, 2021, 1, 194-217. | 1.2<br>1.2<br>2.2<br>1.8 | <ul><li>34</li><li>29</li><li>26</li><li>25</li><li>24</li></ul> |

| #  | Article  | lF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Assessment of Proton Direct Ionization for the Radiation Hardness Assurance of Deep Submicron SRAMs Used in Space Applications. IEEE Transactions on Nuclear Science, 2021, 68, 937-948.   | 1.2 | 20        |
| 20 | Optimized SFCW radar sensor aiming at fall detection in a real room environment., 2013,,.  |     | 18        |
| 21 | A single-event upset robust, 2.2 GHz to 3.2 GHz, 345 fs jitter PLL with triple-modular redundant phase detector in 65 nm CMOS. , 2016, , .   |     | 18        |
| 22 | A 5 GHz CMOS low-noise amplifier with inductive ESD protection exceeding 3 kV HBM. , 0, , .  |     | 17        |
| 23 | Influence of Back-Gate Bias and Process Conditions on the Gamma Degradation of the Transconductance of MuGFETs. IEEE Transactions on Nuclear Science, 2010, 57, 1771-1776.   | 1.2 | 16        |
| 24 | A 1.7mW 11b 1& #x2013; 1& #x2013; 1 MASH & amp; #x0394; & amp; #x03A3; time-to-digital converter., 2011, , .   |     | 15        |
| 25 | Optimised waveform design for radar sensor aimed at contactless health monitoring. Electronics Letters, 2012, 48, 1255.  | 0.5 | 14        |
| 26 | An SRAM-Based Radiation Monitor With Dynamic Voltage Control in 0.18- <inline-formula> <tex-math notation="LaTeX">\$mu\$ </tex-math> </inline-formula> m CMOS Technology. IEEE Transactions on Nuclear Science, 2019, 66, 282-289. | 1.2 | 14        |
| 27 | Study of SEU Sensitivity of SRAM-Based Radiation Monitors in 65-nm CMOS. IEEE Transactions on Nuclear Science, 2021, 68, 913-920.  | 1.2 | 14        |
| 28 | Design and Assessment of a Circuit and Layout Level Radiation Hardened CMOS VCSEL Driver. IEEE Transactions on Nuclear Science, 2007, 54, 1055-1060.   | 1.2 | 13        |
| 29 | Effect of rotation, gate-dielectric and SEG on the noise behavior of advanced SOI MuGFETs. Solid-State Electronics, 2010, 54, 178-184.   | 0.8 | 12        |
| 30 | Design of a MGy radiation tolerant resolver-to-digital convertor IC for remotely operated maintenance in harsh environments. Fusion Engineering and Design, 2014, 89, 2314-2319.   | 1.0 | 12        |
| 31 | Analysis of the charge sharing effect in the SET sensitivity of bulk 45â€nm standard cell layouts under heavy ions. Microelectronics Reliability, 2018, 88-90, 920-924.  | 0.9 | 12        |
| 32 | The lpGBT PLL and CDR Architecture, Performance and SEE Robustness. , 2020, , .  |     | 12        |
| 33 | ESD–RF co-design methodology for the state of the art RF-CMOS blocks. Microelectronics Reliability, 2005, 45, 255-268.   | 0.9 | 11        |
| 34 | A Low Noise Fault Tolerant Radiation Hardened 2.56 Gbps Clock-Data Recovery Circuit With High Speed Feed Forward Correction in 65 nm CMOS. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 1438-1446.       | 3.5 | 11        |
| 35 | A Self-Calibrated Bang–Bang Phase Detector for Low-Offset Time Signal Processing. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 453-457.   | 2.2 | 10        |
| 36 | Design and Assessment of a High Gamma-Dose Tolerant VCSEL Driver With Discrete SiGe HBTs. IEEE Transactions on Nuclear Science, 2006, 53, 2033-2039.   | 1.2 | 9         |

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|----|--|-----|-----------|
| 37 | 17 bit 4.35mW 1kHz Delta Sigma ADC and 256-to-1 multiplexer for remote handling instrumentation equipment. Fusion Engineering and Design, 2013, 88, 1942-1946.   | 1.0 | 9         |
| 38 | A single shot TDC with 4.8 ps resolution in 40 nm CMOS for high energy physics applications. Journal of Instrumentation, 2015, 10, C01031-C01031.  | 0.5 | 9         |
| 39 | Qualification method for a 1 MGy-tolerant front-end chip designed in 65 nm CMOS for the read-out of remotely operated sensors and actuators during maintenance in ITER. Fusion Engineering and Design, 2015, 96-97, 1002-1005. | 1.0 | 9         |
| 40 | Radiation effects upon the mismatch of identically laid out transistor pairs. , 2011, , .  |     | 8         |
| 41 | Biomedical wireless radar sensor network for indoor emergency situations detection and vital signs monitoring. , 2016, , .   |     | 8         |
| 42 | Radiation hardening efficiency of gate sizing and transistor stacking based on standard cells. Microelectronics Reliability, 2019, 100-101, 113457.  | 0.9 | 8         |
| 43 | Radiation-Tolerant Digitally Controlled Ring Oscillator in 65-nm CMOS. IEEE Transactions on Nuclear Science, 2022, 69, 17-25.  | 1.2 | 8         |
| 44 | High ESD performance, low power CMOS LNA for GPS applications. Journal of Electrostatics, 2003, 59, 179-192.   | 1.0 | 7         |
| 45 | Two high-speed optical front-ends with integrated photodiodes in standard 0.18 Î $\frac{1}{4}$ m CMOS. , 0, , .  |     | 7         |
| 46 | SPICE Modelling of a Discrete COTS SiGe HBT for Digital Applications up to MGy Dose Levels. IEEE Transactions on Nuclear Science, 2006, 53, 1945-1949.   | 1.2 | 7         |
| 47 | A 0.7mW 13b temperature-stable MASH ΔΣ TDC with delay-line assisted calibration. , 2011, , .   |     | 7         |
| 48 | Dual-mode wireless sensor network for real-time contactless in-door health monitoring. , 2015, , .   |     | 7         |
| 49 | Monostatic continuous-wave radar integrating a tunable wideband leakage canceler for indoor tagless localization. International Journal of Microwave and Wireless Technologies, 2017, 9, 1583-1590.                            | 1.5 | 7         |
| 50 | Impact of Complex Logic Cell Layout on the Single-Event Transient Sensitivity. IEEE Transactions on Nuclear Science, 2019, 66, 1465-1472.  | 1.2 | 7         |
| 51 | Radiation Assessment of a 15.6ps Single-Shot Time-to-Digital Converter in Terms of TID. Electronics (Switzerland), 2019, 8, 558.   | 1.8 | 7         |
| 52 | Single-Event Effect Responses of Integrated Planar Inductors in 65-nm CMOS. IEEE Transactions on Nuclear Science, 2021, 68, 2587-2597.   | 1.2 | 7         |
| 53 | High total dose gamma radiation assessment of commercially available SiGe heterojunction bipolar transistors. , 2005, , .  |     | 6         |
| 54 | Effect of Airgap Deep Trench Isolation on the Gamma Radiation Behavior of a 0.13 \$mu{hbox {m}}\$ SiGe:C NPN HBT Technology. IEEE Transactions on Nuclear Science, 2009, 56, 2198-2204.  | 1.2 | 6         |

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| 55 | FPGA based flexible UWB pulse transmitter using EM subtraction. Electronics Letters, 2013, 49, 1243-1244.  | 0.5 | 5         |
| 56 | Real-time fall detection and tagless localization using radar techniques. , 2015, , .  |     | 5         |
| 57 | Radiation Effects in CMOS Technology. Analog Circuits and Signal Processing Series, 2018, , 1-20.  | 0.3 | 5         |
| 58 | Radiation Tolerant Electronics. Electronics (Switzerland), 2019, 8, 730.   | 1.8 | 5         |
| 59 | A Low Noise Fault Tolerant Radiation Hardened 2.56 Gbps Clock-Data Recovery Circuit with High Speed Feed Forward Correction in 65 nm CMOS. , 2019, , .                                   |     | 5         |
| 60 | Characterization of a gigabit transceiver for the ATLAS inner tracker pixel detector readout upgrade. Journal of Instrumentation, 2020, 15, T03005-T03005.                               | 0.5 | 5         |
| 61 | Design exploration of majority voter architectures based on the signal probability for TMR strategy optimization in space applications. Microelectronics Reliability, 2020, 114, 113877. | 0.9 | 5         |
| 62 | Mitigation and Predictive Assessment of SET Immunity of Digital Logic Circuits for Space Missions. Aerospace, 2020, 7, 12.   | 1.1 | 5         |
| 63 | Pseudo-Differential Time-Domain Integrator Using Charge-Based Time-Domain Circuits. , 2021, , .  |     | 5         |
| 64 | Tradeoffs in Time-to-Digital Converter Architectures for Harsh Radiation Environments. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.                             | 2.4 | 5         |
| 65 | Radiation-Tolerant All-Digital PLL/CDR with Varactorless LC DCO in 65 nm CMOS. Electronics (Switzerland), 2021, 10, 2741.  | 1.8 | 5         |
| 66 | Measuring material/tissue permittivity by UWB Time-domain Reflectometry techniques. , 2010, , .  |     | 4         |
| 67 | Ultra-wideband antipodal vivaldi antenna array with Wilkinson power divider feeding network. , $2011, ,$   |     | 4         |
| 68 | Conceptual design of a MGy tolerant integrated signal conditioning circuit in 130nm and 700nm CMOS. Journal of Instrumentation, 2012, 7, C01017-C01017.                                  | 0.5 | 4         |
| 69 | Direct RF Subsampling Receivers Enabling Impulse-Based UWB Signals for Breast Cancer Detection. IEEE Transactions on Circuits and Systems II: Express Briefs, 2015, 62, 144-148.         | 2.2 | 4         |
| 70 | Highly adjustable mixerâ€based UWB pulse generator architecture with leakage compensation integrated in 40Ânm CMOS. Electronics Letters, 2015, 51, 183-185.                              | 0.5 | 4         |
| 71 | A low noise clock generator for high-resolution time-to-digital convertors. Journal of Instrumentation, 2016, 11, C02038-C02038.   | 0.5 | 4         |
| 72 | Highly Tunable Triangular Wave UWB Baseband Pulse Generator With Amplitude Stabilization in 40-nm CMOS. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 505-509. | 2.2 | 4         |

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| 73 | VFAT3: A Trigger and Tracking Front-end ASIC for the Binary Readout of Gaseous and Silicon Sensors. , 2018, , .  |     | 4         |
| 74 | Effect of Temperature on Single Event Latchup Sensitivity. , 2020, , .   |     | 4         |
| 75 | Exploiting Transistor Folding Layout as RHBD Technique Against Single-Event Transients. IEEE<br>Transactions on Nuclear Science, 2020, 67, 1581-1589.  | 1.2 | 4         |
| 76 | Characterization of the Total Charge and Time Duration for Single-Event Transient Voltage Pulses in a 65-nm CMOS Technology. IEEE Transactions on Nuclear Science, 2022, 69, 1593-1601.                    | 1.2 | 4         |
| 77 | RF-ESD Co-Design for High Performance CMOS LNAs. , 2003, , 207-226.  |     | 3         |
| 78 | Proton and gamma radiation of 0.13 & $\#$ x00B5;m 200 GHz NPN SiGe:C HBTs featuring an airgap deep trench isolation., 2007,,.  |     | 3         |
| 79 | Modeling, Design, Assessment of a 0.4 \$mu{hbox {m}}\$ SiGe Bipolar VCSEL Driver IC Under \$gamma \$-Radiation. IEEE Transactions on Nuclear Science, 2009, 56, 1920-1925.                                 | 1.2 | 3         |
| 80 | Design and assessment of a robust voltage amplifier with 2.5 GHz GBW and $>100$ kGy total dose tolerance. Journal of Instrumentation, 2011, 6, C01076-C01076.  | 0.5 | 3         |
| 81 | A practical distance measurement improvement technique for a SFCW-based health monitoring radar. , 2013, , .   |     | 3         |
| 82 | Design and functional validation of a complex impedance measurement device for characterization of ultrasonic transducers. , 2013, , .   |     | 3         |
| 83 | A 6-b UWB subsampling track & Digital Property and A 6-b UWB subsampling track & Digital Property and State 1.5-GHz ERBW in 40 nm CMOS. , 2014, , .  |     | 3         |
| 84 | A MGy, Low-Offset Programmable Instrumentation Amplifier IC for Nuclear Applications. , 2015, , .  |     | 3         |
| 85 | The VFAT3-Comm-Port: a complete communication port for front-end ASICs intended for use within the high luminosity radiation environments of the LHC. Journal of Instrumentation, 2015, 10, C03019-C03019. | 0.5 | 3         |
| 86 | A 280 ps - 7.5 ns UWB Pulse Generator with Amplitude Compensation in 40 nm CMOS., 2015,,.  |     | 3         |
| 87 | RF-driving of acoustic-optical tunable filters; design, realization and qualification of analog and digital modules for ESA. Microelectronics Reliability, 2015, 55, 2103-2107.                            | 0.9 | 3         |
| 88 | Radar range improvement using gradient-free optimization for health care applications. , $2016, \ldots$  |     | 3         |
| 89 | Highly broadband circular polarized patch antenna with 3 phase feed structure., 2017,,.  |     | 3         |
| 90 | Operational Experience With the GEM Detector Assembly Lines for the CMS Forward Muon Upgrade. IEEE Transactions on Nuclear Science, 2018, 65, 2808-2816.   | 1.2 | 3         |

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| 91  | A gigabit transceiver for the ATLAS inner tracker pixel detector readout upgrade. Journal of Instrumentation, 2019, 14, C07005-C07005.   | 0.5 | 3         |
| 92  | 1.28 and 5.12 Gbps multi-channel twinax cable receiver ASICs for the ATLAS Inner Tracker Pixel Detector upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 981, 164439. | 0.7 | 3         |
| 93  | Improvements of portable energy dispersive Xâ€ray fluorescence instrument: Resolution with<br><scp>Silicon Drift Detector</scp> , measurements stability using pyroelectric sources, and adaptation for space use. X-Ray Spectrometry, 2022, 51, 388-393.            | 0.9 | 3         |
| 94  | Gigabit photodiodes in standard digital nanometer CMOS technologies., 0,,.   |     | 2         |
| 95  | SPICE modelling of a discrete COTS SiGe HBT for digital applications up to MGy dose levels. , 2005, , .  |     | 2         |
| 96  | Design and Assessment of a High Gamma-Dose Tolerant VCSEL Driver wit Discrete SiGe HBT's. European Conference on Radiation and Its Effects on Components and Systems, Proceedings of the, 2005, , .  | 0.0 | 2         |
| 97  | Design, assessment and modeling of an integrated 0.4 µm SiGe Bipolar VCSEL driver under γ-radiation., 2008,,.  |     | 2         |
| 98  | Design of a MGy tolerant instrumentation amplifier using a correlated double sampling technique in 130 nm CMOS., 2011, , .   |     | 2         |
| 99  | Design and Simulation of a MGy Radiation Tolerant Signal Conditioning Circuit for Resistive Sensors in 0.7 \$mu\$m CMOS. IEEE Transactions on Nuclear Science, 2012, 59, 1309-1316.  | 1.2 | 2         |
| 100 | MGy Radiation Assessment of a Space-Graded Amplifier and ADC., 2015,,.   |     | 2         |
| 101 | Radiation Hardened CMOS Integrated Circuits for Time-Based Signal Processing. Analog Circuits and Signal Processing Series, 2018, , .  | 0.3 | 2         |
| 102 | Single-Event Latchup sensitivity: Temperature effects and the role of the collected charge. Microelectronics Reliability, 2021, 119, 114087.   | 0.9 | 2         |
| 103 | A High-Reliability Redundancy Scheme for Design of Radiation-Tolerant Half-Duty Limited DC-DC Converters. Electronics (Switzerland), 2021, 10, 1146.   | 1.8 | 2         |
| 104 | Background on Time-to-Digital Converters. Analog Circuits and Signal Processing Series, 2015, , 15-23.   | 0.3 | 2         |
| 105 | A radiation tolerant clock generator for the CMS endcap timing layer readout chip. Journal of Instrumentation, 2022, 17, C03038.   | 0.5 | 2         |
| 106 | Impact of Aging Degradation on Heavy-Ion SEU Response of 28-nm UTBB FD-SOI Technology. IEEE Transactions on Nuclear Science, 2022, 69, 1865-1875.  | 1.2 | 2         |
| 107 | Optimization of a fully integrated low power CMOS GPS receiver. IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, 2002, , .  | 0.0 | 1         |
| 108 | Optimization of a fully integrated low power CMOS GPS receiver. , 0, , .   |     | 1         |

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|-----|--|-----|-----------|
| 109 | RF-ESD design and measurement of CMOS LNAs: a comparison between diode and inductive protection. , $0$ , , .   |     | 1         |
| 110 | Modelling of & Damp; #x03B3; - radiation effects in bipolar transistors with VHDL-AMS., 2009, , .  |     | 1         |
| 111 | Design and assessment of a 6 ps-resolution time-to-digital converter with 5 MGy gamma-dose tolerance for nuclear instrumentation. , $2011,  ,  .$  |     | 1         |
| 112 | A > 4 MGy radiation tolerant 8 THzOhm transimpedance amplifier with 50 dB dynamic range. Journal of Instrumentation, 2013, 8, C02052-C02052.   | 0.5 | 1         |
| 113 | Design and implementation of an ultrasonic local positioning system for robot guidance in a heavy liquid metal environment. , 2013, , .  |     | 1         |
| 114 | Testing of a possible RF-generator for a space based AOTF application in the frame of an ESA space mission. , 2017, , .  |     | 1         |
| 115 | Radiation Tolerant, Low Noise Phase Locked Loops in 65 nm CMOS Technology. EPJ Web of Conferences, 2018, 170, 01021.   | 0.1 | 1         |
| 116 | A bipolar shaping amplifier for high capacitance silicon detectors. Journal of Instrumentation, 2019, 14, P08016-P08016.   | 0.5 | 1         |
| 117 | Methods for clock signal characterization using FPGA resources. Journal of Instrumentation, 2020, 15, P03012-P03012.   | 0.5 | 1         |
| 118 | A Delay Locked Loop for Time-to-Digital Converters with Quick Recovery and Low Hysteresis. , 2019, , .   |     | 1         |
| 119 | Design of a 4 ps radiation hardened TDC with an improved interpolation technique. , 2020, , .  |     | 1         |
| 120 | TID Sensitivity Assessment of Quadrature LC-Tank VCOs Implemented in 65-nm CMOS Technology. Electronics (Switzerland), 2022, 11, 1399.   | 1.8 | 1         |
| 121 | Influence of back-gate bias and process conditions on the gamma-degradation of the transconductance of MuGFETs., 2009,,.   |     | 0         |
| 122 | Conceptual design of a versatile radiation tolerant integrated signal conditioning circuit for resistive sensors. , $2011, \ldots$   |     | 0         |
| 123 | $0.7 \hat{l}$ /4m CMOS digitally controlled switched capacitor oscillator for a resonance tracking ultrasound transmitter. , $2011$ , , .  |     | 0         |
| 124 | Experimental validation of a compact model for EM reflection and transmission in multi-layered structures. , $2015$ , , .  |     | 0         |
| 125 | A 1 MGy TID Radiation-Tolerant 56 & https://www.semperature.com/semperature Sensor with amp;#177;1.7& https://www.semperature.com/semperature. |     | 0         |
| 126 | High-speed single cable synchronization system for data-converters. Analog Integrated Circuits and Signal Processing, 2017, 90, 283-290.   | 0.9 | 0         |

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| 127 | Low-noise and low-power front-end in 130 nm CMOS for triple-GEM detectors supporting wide range of detector capacitances with gain and peaking time programmability , 2017, , . |     | O         |
| 128 | A Verification Platform to provide the Functional, Characterization and Production testing for the VFAT3 ASIC. , 2017, , .  |     | 0         |
| 129 | Time-Domain Signal Processing. Analog Circuits and Signal Processing Series, 2018, , 21-42.   | 0.3 | O         |
| 130 | Low Jitter Clock Generators. Analog Circuits and Signal Processing Series, 2018, , 97-121.  | 0.3 | 0         |
| 131 | Clock Synthesizers. Analog Circuits and Signal Processing Series, 2018, , 43-70.  | 0.3 | O         |
| 132 | Single Shot Time-to-Digital Converters. Analog Circuits and Signal Processing Series, 2018, , 71-96.  | 0.3 | 0         |
| 133 | Practical Driving Electronics for an AOTF-Based NO2 Camera. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 874-881.  | 2.4 | O         |
| 134 | Reliability-driven pin assignment optimization to improve in-orbit soft-error rate. Microelectronics Reliability, 2020, 114, 113885.  | 0.9 | 0         |
| 135 | A 0.18 pJ/Step Time-Domain 1st Order î"Σ Capacitance-to-Digital Converter in 65-nm CMOS. , 2021, , .  |     | O         |
| 136 | Radiation Experiments on CMOS PLLs. Analog Circuits and Signal Processing Series, 2018, , 123-143.  | 0.3 | 0         |
| 137 | Radiation Hard Frequency Synthesizers. Analog Circuits and Signal Processing Series, 2018, , 145-154.   | 0.3 | O         |
| 138 | A 2.56 GHz Radiation Hard Phase Locked Loop ASIC for High Speed Serial Communication Links. , 2018, , .   |     | 0         |
| 139 | A bipolar shaping amplifier for low background alpha/beta counters with silicon detectors , 2019, , .   |     | 0         |