

Francesco G Della Corte

List of Publications by Year in descending order

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152
papers

2,194
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201674

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289244

40
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156
all docs

156
docs citations

156
times ranked

1682
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Temperature dependence of the thermo-optic coefficient in crystalline silicon between room temperature and 550 K at the wavelength of 1523 nm. Applied Physics Letters, 1999, 74, 3338-3340. | 3.3 | 179 |
| 2 | Temperature dependence of the thermo-optic coefficient of InP, GaAs, and SiC from room temperature to 600 K at the wavelength of 1.5 μ m. Applied Physics Letters, 2000, 77, 1614-1616. | 3.3 | 109 |
| 3 | Temperature dependence analysis of the thermo-optic effect in silicon by single and double oscillator models. Journal of Applied Physics, 2000, 88, 7115-7119. | 2.5 | 89 |
| 4 | High-Performance Temperature Sensor Based on 4H-SiC Schottky Diodes. IEEE Electron Device Letters, 2015, 36, 720-722. | 3.9 | 69 |
| 5 | Amorphous silicon waveguides and light modulators for integrated photonics realized by low-temperature plasma-enhanced chemical-vapor deposition. Optics Letters, 1996, 21, 2002. | 3.3 | 65 |
| 6 | Temperature dependence of the thermo-optic coefficient of lithium niobate, from 300 to 515 K in the visible and infrared regions. Journal of Applied Physics, 2005, 98, 036101. | 2.5 | 64 |
| 7 | DESIGN CONSIDERATIONS FOR RADIO FREQUENCY ENERGY HARVESTING DEVICES. Progress in Electromagnetics Research B, 2012, 45, 19-35. | 1.0 | 53 |
| 8 | An Indoor Ultrasonic System for Autonomous 3-D Positioning. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2507-2518. | 4.7 | 53 |
| 9 | 4H-SiC p-i-n diode as Highly Linear Temperature Sensor. IEEE Transactions on Electron Devices, 2016, 63, 414-418. | 3.0 | 47 |
| 10 | Study of the thermo-optic effect in hydrogenated amorphous silicon and hydrogenated amorphous silicon carbide between 300 and 500 K at 1.55 μ m. Applied Physics Letters, 2001, 79, 168-170. | 3.3 | 43 |
| 11 | An Analytical Model of the Forward I - V Characteristics of 4H-SiC p-i-n Diodes Valid for a Wide Range of Temperature and Current. IEEE Transactions on Power Electronics, 2011, 26, 2835-2843. | 7.9 | 42 |
| 12 | 85 μ W 440 K Temperature Sensor Based on a 4H-SiC Schottky Diode. IEEE Sensors Journal, 2016, 16, 6537-6542. | 4.7 | 40 |
| 13 | Thermo-optic effect exploitation in silicon microstructures. Sensors and Actuators A: Physical, 1998, 71, 19-26. | 4.1 | 39 |
| 14 | Ranging RFID Tags With Ultrasound. IEEE Sensors Journal, 2018, 18, 2967-2975. | 4.7 | 38 |
| 15 | Analysis of Trapping Effects on the Forward Current-Voltage Characteristics of Al-Implanted 4H-SiC p-i-n Diodes. IEEE Transactions on Electron Devices, 2018, 65, 3371-3378. | 3.0 | 37 |
| 16 | Use of Amorphous Silicon for Active Photonic Devices. IEEE Transactions on Electron Devices, 2013, 60, 1495-1505. | 3.0 | 36 |
| 17 | A Microsystem Based on Porous Silicon-Glass Anodic Bonding for Gas and Liquid Optical Sensing. Sensors, 2006, 6, 680-687. | 3.8 | 35 |
| 18 | Numerical Simulation Study of a Low Breakdown Voltage 4H-SiC MOSFET for Photovoltaic Module-Level Applications. IEEE Transactions on Electron Devices, 2018, 65, 3352-3360. | 3.0 | 34 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | Electro-optical modulation at 1550 nm in an as-deposited hydrogenated amorphous silicon p-i-n waveguiding device. <i>Optics Express</i> , 2011, 19, 2941. | 3.4 | 33 |
| 20 | Electro-optically induced absorption in Si:H/SiCN waveguiding multistacks. <i>Optics Express</i> , 2008, 16, 7540. | 3.4 | 32 |
| 21 | Numerical simulations of the electrical transport characteristics of a Pt/n-GaN Schottky diode. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 094301. | 1.5 | 30 |
| 22 | Multiobjective Optimization of Design of 4H-SiC Power MOSFETs for Specific Applications. <i>Journal of Electronic Materials</i> , 2019, 48, 3871-3880. | 2.2 | 30 |
| 23 | Temperature and $\text{SiO}_2/4\text{H-SiC}$ interface trap effects on the electrical characteristics of low breakdown voltage MOSFETs. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1. | 2.3 | 30 |
| 24 | A Real-Time Decision Platform for the Management of Structures and Infrastructures. <i>Electronics (Switzerland)</i> , 2019, 8, 1180. | 3.1 | 30 |
| 25 | Simulation and analysis of the current-voltage-temperature characteristics of Al/Ti/4H-SiC Schottky barrier diodes. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 014002. | 1.5 | 29 |
| 26 | Analysis of the Forward $I-V$ Characteristics of Al-Implanted 4H-SiC p-i-n Diodes with Modeling of Recombination and Trapping Effects Due to Intrinsic and Doping-Induced Defect States. <i>Journal of Electronic Materials</i> , 2018, 47, 1414-1420. | 2.2 | 29 |
| 27 | Highly Linear Temperature Sensor Based on 4H-Silicon Carbide p-i-n Diodes. <i>IEEE Electron Device Letters</i> , 2015, 36, 1205-1208. | 3.9 | 28 |
| 28 | Mobile Synchronization Recovery for Ultrasonic Indoor Positioning. <i>Sensors</i> , 2020, 20, 702. | 3.8 | 28 |
| 29 | New possibilities for efficient silicon integrated electro-optical modulators. <i>Optics Communications</i> , 1991, 86, 228-235. | 2.1 | 27 |
| 30 | Simple and Low-Cost Photovoltaic Module Emulator. <i>Electronics (Switzerland)</i> , 2019, 8, 1445. | 3.1 | 26 |
| 31 | Simulation and experimental results on the forward $I-V$ characteristic of Al implanted 4H-SiC p-i-n diodes. <i>Microelectronics Journal</i> , 2007, 38, 1273-1279. | 2.0 | 25 |
| 32 | An Analytical Model of the Switching Behavior of 4H-SiC p^+n^- Diodes from Arbitrary Injection Conditions. <i>IEEE Transactions on Power Electronics</i> , 2012, 27, 1641-1652. | 7.9 | 25 |
| 33 | Experimental characterization and numerical analysis of the 4H-SiC p-i-n diodes static and transient behaviour. <i>Microelectronics Journal</i> , 2008, 39, 1594-1599. | 2.0 | 23 |
| 34 | A 25 ns switching time Mach-Zehnder modulator in as-deposited a-Si:H. <i>Optics Express</i> , 2012, 20, 9351. | 3.4 | 22 |
| 35 | Temperature Effects on the Efficiency of Dickson Charge Pumps for Radio Frequency Energy Harvesting. <i>IEEE Access</i> , 2018, 6, 65729-65736. | 4.2 | 20 |
| 36 | Numerical Simulations of a 4H-SiC BMFET Power Transistor with Normally-Off Characteristics. <i>Materials Science Forum</i> , 0, 679-680, 621-624. | 0.3 | 19 |

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| 37 | Instrumented infrastructures for damage detection and management. , 2017, , . | | 19 |
| 38 | Open-Source Hardware Platforms for Smart Converters with Cloud Connectivity. Electronics (Switzerland), 2019, 8, 367. | 3.1 | 19 |
| 39 | Dynamic impedance matching network for RF energy harvesting systems. , 2014, , . | | 18 |
| 40 | SPICE modelling of a complete photovoltaic system including modules, energy storage elements and a multilevel inverter. Solar Energy, 2014, 107, 338-350. | 6.1 | 18 |
| 41 | A Monolithic Multisensor Microchip with Complete On-Chip RF Front-End. Sensors, 2018, 18, 110. | 3.8 | 18 |
| 42 | An integrated pressure-driven microsystem based on porous silicon for optical monitoring of gaseous and liquid substances. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1459-1463. | 1.8 | 17 |
| 43 | Analytical Modeling of Dual-Junction Tandem Solar Cells Based on an InGaP/GaAs Heterojunction Stacked on a Ge Substrate. Journal of Electronic Materials, 2019, 48, 4107-4116. | 2.2 | 17 |
| 44 | Electrooptical Modulating Device Based on a CMOS-Compatible α -Si:H/SiCN Multistack Waveguide. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 173-178. | 2.9 | 16 |
| 45 | $V_{2O_5}/4H\text{-SiC}$ Schottky Diode Temperature Sensor: Experiments and Model. IEEE Transactions on Electron Devices, 2018, 65, 687-694. | 3.0 | 15 |
| 46 | Simulating Signal Aberration and Ranging Error for Ultrasonic Indoor Positioning. Sensors, 2020, 20, 3548. | 3.8 | 15 |
| 47 | Battery-less smart RFID tag with sensor capabilities. , 2012, , . | | 14 |
| 48 | CMOS RF Transmitters with On-Chip Antenna for Passive RFID and IoT Nodes. Electronics (Switzerland), 2019, 8, 1448. | 3.1 | 14 |
| 49 | Performance assessment of an enhanced RFID sensor tag for long-run sensing applications. , 2014, , . | | 13 |
| 50 | Integrated Amorphous Silicon p-i-n Temperature Sensor for CMOS Photonics. Sensors, 2016, 16, 67. | 3.8 | 13 |
| 51 | Energy savings in transportation: Setting up an innovative SHM method. Mathematical Modelling of Engineering Problems, 2018, 5, 323-330. | 0.5 | 13 |
| 52 | A parametric study of laser induced ablation oxidation on porous silicon surfaces. Journal of Physics Condensed Matter, 2008, 20, 265009. | 1.8 | 12 |
| 53 | Low-loss amorphous silicon waveguides grown by PECVD on indium tin oxide. Journal of the European Optical Society-Rapid Publications, 0, 5, . | 1.9 | 12 |
| 54 | Temperature Sensing Characteristics and Long Term Stability of Power LEDs Used for Voltage vs. Junction Temperature Measurements and Related Procedure. IEEE Access, 2020, 8, 43057-43066. | 4.2 | 12 |

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| 55 | CMOS wireless temperature sensor with integrated radiating element. Sensors and Actuators A: Physical, 2010, 158, 169-175. | 4.1 | 11 |
| 56 | All-optical modulation in a CMOS-compatible amorphous silicon-based device. Journal of the European Optical Society-Rapid Publications, 0, 7, . | 1.9 | 11 |
| 57 | An autonomous and energy efficient Smart Sensor Platform. , 2014, , . | | 11 |
| 58 | A V2O5/4H-SiC Schottky diode-based PTAT sensor operating in a wide range of bias currents. Sensors and Actuators A: Physical, 2018, 269, 171-174. | 4.1 | 11 |
| 59 | $\langle \text{inline-formula} \rangle \langle \text{math display="inline"} \rangle \langle \text{overflow="scroll"} \rangle \langle \text{mn} \rangle 1 \langle \text{mn} \rangle \langle \text{mo} \rangle . \langle \text{mo} \rangle \langle \text{mn} \rangle 5 \langle \text{mn} \rangle \langle \text{mn} \rangle 5 \langle \text{mn} \rangle \langle \text{mo} \rangle \langle \text{mi} \rangle \frac{1}{4} \langle \text{mi} \rangle \langle \text{mstyle mathvariant="normal"} \rangle \langle \text{mtext} \rangle \text{m} \langle \text{mtext} \rangle \langle \text{mstyle} \rangle \langle \text{math} \rangle \langle \text{inline-formula} \rangle$ silicon-based reflection-type waveguide-integrated thermo-optic switch. Optical Engineering, 2003, 42, 2835. | 1.0 | 10 |
| 60 | Analysis of the Electrical Characteristics of Mo/4H-SiC Schottky Barrier Diodes for Temperature-Sensing Applications. Journal of Electronic Materials, 2020, 49, 1322-1329. | 2.2 | 10 |
| 61 | In-guide pump and probe characterization of photoinduced absorption in hydrogenated amorphous silicon thin films. Journal of Applied Physics, 2006, 100, 033104. | 2.5 | 9 |
| 62 | Design and modeling of a novel 4H-SiC normally-off BMFET transistor for power applications. , 2010, , . | | 8 |
| 63 | Amorphous silicon waveguides grown by PECVD on an Indium Tin Oxide buried contact. Optics Communications, 2012, 285, 3088-3092. | 2.1 | 8 |
| 64 | Hydrogenated amorphous silicon multi-SOI waveguide modulator with low voltage-length product. Optics and Laser Technology, 2013, 45, 204-208. | 4.6 | 8 |
| 65 | Electro-optical effect in hydrogenated amorphous silicon-based waveguide-integrated p-i-p and p-i-n configurations. Optical Engineering, 2013, 52, 087110. | 1.0 | 8 |
| 66 | Using ANT Communications for Node Synchronization and Timing in a Wireless Ultrasonic Ranging System. , 2017, 1, 1-4. | | 8 |
| 67 | Interface Trap Effects in the Design of a 4H-SiC MOSFET for Low Voltage Applications. , 2018, , . | | 8 |
| 68 | An Efficient 4H-SiC Photodiode for UV Sensing Applications. Electronics (Switzerland), 2021, 10, 2517. | 3.1 | 8 |
| 69 | Analytical model for the forward current of Al implanted 4H-SiC p-i-n diodes in a wide range of temperatures. , 2009, , . | | 7 |
| 70 | A self-consistent model of the static and switching behaviour of 4H-SiC diodes. , 2010, , . | | 7 |
| 71 | Numerical Analysis of Electro-Optical Modulators Based on the Amorphous Silicon Technology. Journal of Lightwave Technology, 2014, 32, 2399-2407. | 4.6 | 7 |
| 72 | Electro-Optical Modulation in a 4H-SiC Slab Induced by Carrier Depletion in a Schottky Diode. IEEE Photonics Technology Letters, 2018, 30, 877-880. | 2.5 | 7 |

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| 73 | Analysis of 4H-SiC MOSFET with distinct high-k/4H-SiC interfaces under high temperature and carrier-trapping conditions. Applied Physics A: Materials Science and Processing, 2020, 126, 1. | 2.3 | 7 |
| 74 | Enhanced Non-Uniformity Modeling of 4H-SiC Schottky Diode Characteristics Over Wide High Temperature and Forward Bias Ranges. IEEE Journal of the Electron Devices Society, 2020, 8, 1339-1344. | 2.1 | 7 |
| 75 | Simulation Study of Carbon Vacancy Trapping Effect on Low Power 4H-SiC MOSFET Performance. Silicon, 2021, 13, 3629-3637. | 3.3 | 7 |
| 76 | Electro-optically induced absorption in α -Si:H/ α -SiCN waveguiding multistacks. Journal of the European Optical Society-Rapid Publications, 0, 5, . | 1.9 | 6 |
| 77 | Heat flux sensor for power loss measurements of switching devices. , 2013, , . | | 6 |
| 78 | A calorimetry-based measurement apparatus for switching losses in high power electronic devices. , 2016, , . | | 6 |
| 79 | Acoustic Simulation for Performance Evaluation of Ultrasonic Ranging Systems. Electronics (Switzerland), 2021, 10, 1298. | 3.1 | 6 |
| 80 | High-Performance 4H-SiC UV-polarized Photodiode: Numerical Simulations and Experimental Results. Electronics (Switzerland), 2022, 11, 1839. | 3.1 | 6 |
| 81 | Photoinduced absorption in B-doped hydrogenated amorphous silicon alloys applied to all-optical modulators. Journal of Applied Physics, 2008, 103, 023107. | 2.5 | 5 |
| 82 | Steady-State Analysis of a Normally-Off 4H-SiC Trench Bipolar-Mode FET. Materials Science Forum, 2013, 740-742, 942-945. | 0.3 | 5 |
| 83 | Analysis of Al_2O_3 high-k gate dielectric effect on the electrical characteristics of a 4H-SiC low-power MOSFET. , 2019, , . | | 5 |
| 84 | Analysis of the current-voltage-temperature characteristics of W/4H-SiC Schottky barrier diodes for high performance temperature sensors. , 2019, , . | | 5 |
| 85 | LED junction temperature prediction using machine learning techniques. , 2020, , . | | 5 |
| 86 | A Technique for Improving the Precision of the Direct Measurement of Junction Temperature in Power Light-Emitting Diodes. Sensors, 2021, 21, 3113. | 3.8 | 5 |
| 87 | Temperature dependence of the thermo-optic coefficient in 4H-SiC and GaN slabs at the wavelength of 1550 nm. Scientific Reports, 2022, 12, 4809. | 3.3 | 5 |
| 88 | Thermo-optic design for microwave and millimeter-wave electromagnetic power microsensors. Applied Optics, 2002, 41, 3601. | 2.1 | 4 |
| 89 | Optical Interconnects for Network on Chip. , 2006, , . | | 4 |
| 90 | An integrated hybrid optical device for sensing applications. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1946-1950. | 0.8 | 4 |

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| 91 | Modulation speed improvement in a Fabry-Perot thermo-optical modulator through a driving signal optimization technique. Optical Engineering, 2009, 48, 074601. | 1.0 | 4 |
| 92 | Static and transient analysis of a 4H-SiC trench Bipolar Mode FET with normally-off characteristics. , 2012, , . | | 4 |
| 93 | Progress towards a high-performing a-Si:H-based electro-optic modulator. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overl 2.2 | 2.2 | 4 |
| 94 | A Direct Junction Temperature Measurement Technique for Power LEDs. , 2018, , . | | 4 |
| 95 | Power MOSFET Intrinsic Diode as a Highly Linear Junction Temperature Sensor. IEEE Sensors Journal, 2019, 19, 11034-11040. | 4.7 | 4 |
| 96 | Reconfigurable UHF RFID tag with sensing capabilities. , 2019, , . | | 4 |
| 97 | A Technique for the Direct Measurement of the Junction Temperature in Power Light Emitting Diodes. IEEE Sensors Journal, 2021, 21, 6293-6299. | 4.7 | 4 |
| 98 | Exploiting RFID technology for Indoor Positioning. , 2021, , . | | 4 |
| 99 | Amorphous silicon waveguides and interferometers for low-cost silicon optoelectronics. , 1998, 3278, 286. | | 3 |
| 100 | Measurement of the IR absorption induced by visible radiation in amorphous silicon and silicon carbide thin films by an in-guide technique. Optical Materials, 2008, 30, 1240-1243. | 3.6 | 3 |
| 101 | On-Chip Integrated Antenna Structures for Biomedical Implantable Sensors. Procedia Chemistry, 2009, 1, 513-516. | 0.7 | 3 |
| 102 | HELIOS: photonics electronics functional integration on CMOS. Proceedings of SPIE, 2010, , . | 0.8 | 3 |
| 103 | CMOS fully integrated 2.5GHz active RFID tag with on-chip antenna. , 2010, , . | | 3 |
| 104 | 1.55 μ m silicon-based reflection-type waveguide-integrated thermo-optic 2 \times 2 switch. Optik, 2012, 123, 467-469. | 2.9 | 3 |
| 105 | Electronic sensors for intraoral force monitoring: state-of-the-art and comparison. Procedia CIRP, 2019, 79, 730-733. | 1.9 | 3 |
| 106 | Impact of a non-uniform p-base doping concentration on the electrical characteristics of a low power MOSFET in 4H-SiC. , 2019, , . | | 3 |
| 107 | Simulation and analysis of the forward bias current-voltage-temperature characteristics of W/4H-SiC Schottky barrier diodes for temperature-sensing applications. Solid State Electronics Letters, 2020, 2, 49-54. | 1.0 | 3 |
| 108 | Study and Assessment of Defect and Trap Effects on the Current Capabilities of a 4H-SiC-Based Power MOSFET. Electronics (Switzerland), 2021, 10, 735. | 3.1 | 3 |

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| 109 | Ranging with Frequency Dependent Ultrasound Air Attenuation. Sensors, 2021, 21, 4963. | 3.8 | 3 |
| 110 | Indoor Object Positioning using Smartphone and RFID or QRCode. , 2020, , . | | 3 |
| 111 | Performance Evaluation of Silicon and GaN Switches for a Small Wireless Power Transfer System. Energies, 2022, 15, 3029. | 3.1 | 3 |
| 112 | Silicon-on-insulator guided-wave structures for thermo-optic switching applications. , 1997, 3007, 22. | | 2 |
| 113 | Simulation study of the DC and AC characteristics of an a-Si:H(n)/GaAs(p)/GaAs(n) heterojunction bipolar transistor. Solid-State Electronics, 2000, 44, 2265-2271. | 1.4 | 2 |
| 114 | Digital optical switch based on amorphous silicon waveguide. , 2003, , . | | 2 |
| 115 | Li batteries with porous sol-gel cathodes. Microelectronics Journal, 2007, 38, 637-641. | 2.0 | 2 |
| 116 | A microchip integrated temperature sensor with RF communication channel and on-chip antenna. Procedia Chemistry, 2009, 1, 473-476. | 0.7 | 2 |
| 117 | Numerical simulations of Al implanted 4H-SiC diodes modeling an explicit carrier trap effect due to the non-substitutional Al doping concentration. , 2009, , . | | 2 |
| 118 | Wireless temperature sensor integrated circuits with on-chip antennas. , 2010, , . | | 2 |
| 119 | Autonomous RFID sensor platform with highly efficient energy harvesting circuit. , 2015, , . | | 2 |
| 120 | A PTAT-based Heat-flux Sensor for the Measurement of Power Losses through a Calorimetric Apparatus. Procedia Engineering, 2016, 168, 1617-1620. | 1.2 | 2 |
| 121 | SPICE modelling and experiments on a complete photovoltaic system including cells, storage elements, inverter and load. , 2016, , . | | 2 |
| 122 | Tiny Machine Learning Techniques for Driving Behavior Scoring in a Connected Car Environment. , 2021, , . | | 2 |
| 123 | Study of in-gap defects in intrinsic and B-doped a-Si _{1-x} C _x :H by photo-induced optical absorption and photoluminescence. Journal of Non-Crystalline Solids, 2006, 352, 2647-2651. | 3.1 | 1 |
| 124 | Bistable hybrids in sol-gel technology for switching devices. Microelectronics Journal, 2007, 38, 1169-1174. | 2.0 | 1 |
| 125 | Electro-optical modulating multistack device based on the CMOS-compatible technology of amorphous silicon. Journal of the European Optical Society-Rapid Publications, 0, 5, . | 1.9 | 1 |
| 126 | Low-power CMOS fully integrated transmitters exploiting on-chip antennas. , 2010, , . | | 1 |

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| 127 | Characterization of an electrically induced refractive index change in a hydrogenated amorphous silicon multistack waveguide. , 2011, , . | | 1 |
| 128 | Design and implementation of high resolution, high linearity temperature sensor in CMOS process. , 2015, , . | | 1 |
| 129 | RF-powered UHF-RFID analog sensors platform. , 2015, , . | | 1 |
| 130 | RF-Powered HF-RFID Analog Sensors Platform. Lecture Notes in Electrical Engineering, 2017, , 85-91. | 0.4 | 1 |
| 131 | Effects of the Temperature on the Efficiency Degradation in Multi-stage RF Energy Harvesters. , 2019, , . | | 1 |
| 132 | <title>Silicon thermo-optic micromodulators for low-cost low-performance fiber-in-the-loop applications</title>. , 1997, , . | | 0 |
| 133 | 1.55-Åm reflection-type optical waveguide switch based on thermo-optic effect. , 2003, , . | | 0 |
| 134 | Design and simulation of an a-Si:H/GaAs HBT with improved DC and high-frequency characteristics. , 2003, , . | | 0 |
| 135 | Digital optical switch based on amorphous silicon waveguide. , 2003, 5117, 581. | | 0 |
| 136 | Amorphous silicon thin film for all-optical micromodulator. , 2003, , . | | 0 |
| 137 | All-optical modulation in thin film silicon-based waveguiding structures. , 2005, , . | | 0 |
| 138 | Fabrication of Porous Sol-Gel Cathodes for Li Batteries. , 2006, , . | | 0 |
| 139 | Design, fabrication, and characterization of an $\hat{1}\pm$ -Si:H/ $\hat{1}\pm$ -SiCN multistack waveguide for electro optical modulation. , 2008, , . | | 0 |
| 140 | 2.6 GHz receiver for on-chip optical networking in 65nm CMOS technology. , 2010, , . | | 0 |
| 141 | Electro-optical modulation and photoinduced absorption effects on a CMOS-compatible $\hat{1}\pm$ -Si:H/ $\hat{1}\pm$ -SiCN multistack waveguide. , 2010, , . | | 0 |
| 142 | Amorphous silicon waveguides grown by PECVD on an Indium Tin Oxide buried contact. , 2010, , . | | 0 |
| 143 | Electro-Optical Modulating Multistack Device Based on the CMOS-Compatible Technology of Amorphous Silicon. Lecture Notes in Electrical Engineering, 2011, , 285-289. | 0.4 | 0 |
| 144 | CMOS-compatible electro-optical Mach-Zehnder modulator based on the amorphous silicon technology. , 2012, , . | | 0 |

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| 145 | A CMOS IC for the real-time and wireless diagnostics of high concentration solar cells. , 2015, , . | | 0 |
| 146 | A measurement apparatus for switching losses based on an heat-flux sensor. , 2015, , . | | 0 |
| 147 | A Calorimetry Based System for Measuring the Power Losses of Switching Power Devices. Lecture Notes in Electrical Engineering, 2018, , 111-116. | 0.4 | 0 |
| 148 | Augmented Information Discovery using NFC Technology within a Platform for Disaster Monitoring. , 2020, , . | | 0 |
| 149 | Ultrasonic Ranging using Frequency Selective Attenuation. , 2021, , . | | 0 |
| 150 | Power LED junction temperature readout circuit based on an off-the-shelf LED driver. , 2020, , . | | 0 |
| 151 | Junction temperature measurement in optically-activated power MOSFET. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overl 2.2 0 | | 0 |
| 152 | Near-Infrared Graphene/4H-SiC Schottky Photodetectors. , 2022, , . | | 0 |