# Sameer R Sonkusale

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 177 papers | 4,632 citations | 101543 36 h-index | 118850 62 g-index |
| 184 all docs | 184 docs citations | 184 times ranked | 5774 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Smart Bandage for Monitoring and Treatment of Chronic Wounds. Small, 2018, 14, e1703509. | 10.0 | 257 |
| 2 | High speed terahertz modulation from metamaterials with embedded high electron mobility transistors. Optics Express, 2011, 19, 9968. | 3.4 | 194 |
| 3 | A Textile Dressing for Temporal and Dosage Controlled Drug Delivery. Advanced Functional Materials, 2017, 27, 1702399. | 14.9 | 187 |
| 4 | Flexible pHâ€Sensing Hydrogel Fibers for Epidermal Applications. Advanced Healthcare Materials, 2016, 5, 711-719. | 7.6 | 172 |
| 5 | A toolkit of thread-based microfluidics, sensors, and electronics for 3D tissue embedding for medical diagnostics. Microsystems and Nanoengineering, 2016, 2, 16039. | 7.0 | 162 |
| 6 | A 60-dB Gain OTA Operating at 0.25-V Power Supply in 130-nm Digital CMOS Process. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 1609-1617. | 5.4 | 154 |
| 7 | Highly stretchable and nonvolatile gelatin-supported deep eutectic solvent gel electrolyte-based ionic skins for strain and pressure sensing. Journal of Materials Chemistry C, 2019, 7, 601-608. | 5.5 | 140 |
| 8 | Microwave diode switchable metamaterial reflector/absorber. Applied Physics Letters, 2013, 103, . | 3.3 | 134 |
| 9 | An Adaptive Resolution Asynchronous ADC Architecture for Data Compression in Energy Constrained Sensing Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2011, 58, 921-934. | 5.4 | 121 |
| 10 | Biodegradable Nanofibrous Polymeric Substrates for Generating Elastic and Flexible Electronics. Advanced Materials, 2014, 26, 5823-5830. | 21.0 | 117 |
| 11 | Single and dual band 77/95/110â€‰GHz metamaterial absorbers on flexible polyimide substrate. Applied Physics Letters, 2011, 99, . | 3.3 | 114 |
| 12 | Dermal Patch with Integrated Flexible Heater for on Demand Drug Delivery. Advanced Healthcare Materials, 2016, 5, 175-184. | 7.6 | 109 |
| 13 | Low cost smart phone diagnostics for food using paper-based colorimetric sensor arrays. Food Control, 2017, 82, 227-232. | 5.5 | 101 |
| 14 | Low-cost and cleanroom-free fabrication of microneedles. Microsystems and Nanoengineering, 2018, 4, . | 7.0 | 99 |
| 15 | Thread-based multiplexed sensor patch for real-time sweat monitoring. Npj Flexible Electronics, 2020, 4, . | 10.7 | 89 |
| 16 | Wireless Flexible Smart Bandage for Continuous Monitoring of Wound Oxygenation. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 670-677. | 4.0 | 83 |
| 17 | Oxygen-Generating Photo-Cross-Linkable Hydrogels Support Cardiac Progenitor Cell Survival by Reducing Hypoxia-Induced Necrosis. ACS Biomaterials Science and Engineering, 2017, 3, 1964-1971. | 5.2 | 82 |
| 18 | Experimental Realization of a Metamaterial Detector Focal Plane Array. Physical Review Letters, 2012, 109, 177401. | 7.8 | 72 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A pHâ€Mediated Electronic Wound Dressing for Controlled Drug Delivery. Advanced Healthcare Materials, 2018, 7, e1800396. | 7.6 | 69 |
| 20 | Colorimetric Gas Sensing Washable Threads for Smart Textiles. Scientific Reports, 2019, 9, 5607. | 3.3 | 62 |
| 21 | CMOS Microelectrode Array for Electrochemical Lab-on-a-Chip Applications. IEEE Sensors Journal, 2009, 9, 609-615. | 4.7 | 58 |
| 22 | Microfluidic optoelectronic sensor for salivary diagnostics of stomach cancer. Biosensors and Bioelectronics, 2015, 67, 465-471. | 10.1 | 56 |
| 23 | Paper based platform for colorimetric sensing of dissolved NH3 and CO2. Biosensors and Bioelectronics, 2015, 67, 477-484. | 10.1 | 54 |
| 24 | Hydrophobic Hydrogels: Toward Construction of Floating (Bio)microdevices. Chemistry of Materials, 2016, 28, 3641-3648. | 6.7 | 49 |
| 25 | A Novel BPSK Demodulator for Biological Implants. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 1478-1484. | 5.4 | 47 |
| 26 | A flow through device for simultaneous dielectrophoretic cell trapping and AC electroporation. Scientific Reports, 2019, 9, 11988. | 3.3 | 46 |
| 27 | Three dimensional printing of metamaterial embedded geometrical optics (MEGO). Microsystems and Nanoengineering, 2019, 5, 16. | 7.0 | 46 |
| 28 | Flexible and transparent gastric battery: Energy harvesting from gastric acid for endoscopy application. Biosensors and Bioelectronics, 2014, 54, 292-296. | 10.1 | 45 |
| 29 | Washable Smart Threads for Strain Sensing Fabrics. IEEE Sensors Journal, 2018, 18, 9137-9144. | 4.7 | 45 |
| 30 | A Compressed Sensing Analog-to-Information Converter With Edge-Triggered SAR ADC Core. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 1135-1148. | 5.4 | 44 |
| 31 | Input-Feature Correlated Asynchronous Analog to Information Converter for ECG Monitoring. IEEE Transactions on Biomedical Circuits and Systems, 2011, 5, 459-467. | 4.0 | 43 |
| 32 | Metamaterials for Remote Generation of Spatially Controllable Two Dimensional Array of Microplasma. Scientific Reports, 2014, 4, 5964. | 3.3 | 43 |
| 33 | Low-cost metamaterial-on-paper chemical sensor. Optics Express, 2017, 25, 16092. | 3.4 | 41 |
| 34 | A low-voltage high-speed terahertz spatial light modulator using active metamaterial. APL Photonics, 2016, 1, . | 5.7 | 40 |
| 35 | Ingestible Osmotic Pill for In Vivo Sampling of Gut Microbiomes. Advanced Intelligent Systems, 2019, 1, 1900053. | 6.1 | 40 |
| 36 | BROADBAND MILLIMETERWAVE METAMATERIAL ABSORBER BASED ON EMBEDDING OF DUAL RESONATORS. Progress in Electromagnetics Research, 2013, 142, 625-638. | 4.4 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Kelvin probe microscopy and electronic transport measurements in reduced graphene oxide chemical sensors. Nanotechnology, 2013, 24, 245502. | 2.6 | 37 |
| 38 | Fully Digital BPSK Demodulator and Multilevel LSK Back Telemetry for Biomedical Implant Transceivers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 714-718. | 3.0 | 35 |
| 39 | All electronic approach for high-throughput cell trapping and lysis with electrical impedance monitoring. Biosensors and Bioelectronics, 2014, 54, 462-467. | 10.1 | 35 |
| 40 | A high-density nanowire electrode on paper for biomedical applications. RSC Advances, 2015, 5, 8680-8687. | 3.6 | 35 |
| 41 | Dissolved ammonia sensing in complex mixtures using metalloporphyrin-based optoelectronic sensor and spectroscopic detection. Sensors and Actuators B: Chemical, 2014, 202, 976-983. | 7.8 | 34 |
| 42 | Highly Flexible Transistor Threads for All-Thread Based Integrated Circuits and Multiplexed Diagnostics. ACS Applied Materials & Interfaces, 2019, 11, 31096-31104. | 8.0 | 33 |
| 43 | CMOS VLSI Potentiostat for Portable Environmental Sensing Applications. IEEE Sensors Journal, 2010, 10, 820-821. | 4.7 | 32 |
| 44 | A 0.5ÂV bulk-input OTA with improved common-mode feedback for low-frequency filtering applications. Analog Integrated Circuits and Signal Processing, 2009, 59, 83-89. | 1.4 | 31 |
| 45 | A three-dimensional electrochemical paper-based analytical device for low-cost diagnostics. Analyst, The, 2018, 143, 1059-1064. | 3.5 | 31 |
| 46 | SWNT Based Nanosensors for Wireless Detection of Explosives and Chemical Warfare Agents. IEEE Sensors Journal, 2013, 13, 202-210. | 4.7 | 29 |
| 47 | Utilization of graphene electrode in transparent microwell arrays for high throughput cell trapping and lysis. Biosensors and Bioelectronics, 2014, 61, 625-630. | 10.1 | 29 |
| 48 | DNA-decorated carbon-nanotube-based chemical sensors on complementary metal oxide semiconductor circuitry. Nanotechnology, 2010, 21, 095504. | 2.6 | 26 |
| 49 | Design, Implementation, and Field Testing of a Portable Fluorescence-Based Vapor Sensor. Analytical Chemistry, 2009, 81, 5281-5290. | 6.5 | 24 |
| 50 | Hard polymeric porous microneedles on stretchable substrate for transdermal drug delivery. Scientific Reports, 2022, 12, 1853. | 3.3 | 24 |
| 51 | A High Dynamic Range CMOS Image Sensor for Scientific Imaging Applications. IEEE Sensors Journal, 2009, 9, 1209-1218. | 4.7 | 23 |
| 52 | Loss compensation in Metamaterials through embedding of active transistor based negative differential resistance circuits. Optics Express, 2012, 20, 22406. | 3.4 | 23 |
| 53 | A 65 nm CMOS Digital Phase Imager for Time-Resolved Fluorescence Imaging. IEEE Journal of Solid-State Circuits, 2012, 47, 1731-1742. | 5.4 | 22 |
| 54 | Wireless multi-level terahertz amplitude modulator using active metamaterial-based spatial light modulation. Optics Express, 2016, 24, 14618. | 3.4 | 21 |

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|---|---|---|---|
| 55 | Single Event Recording of Temperature and Tilt Using Liquid Metal With RFID Tags. IEEE Sensors Journal, 2020, 20, 3249-3256. | 4.7 | 21 |
| 56 | Cost-Effective Wireless Sensors for Detection of Package Opening and Tampering. IEEE Access, 2020, 8, 117122-117132. | 4.2 | 21 |
| 57 | Design and implementation of magneticallyâ€“tunable quadâ€“band filter utilizing splitâ€“ring resonators at microwave frequencies. Scientific Reports, 2020, 10, 1050. | 3.3 | 21 |
| 58 | The heterogeneous integration of single-walled carbon nanotubes onto complementary metal oxide semiconductor circuitry for sensing applications. Nanotechnology, 2009, 20, 225302. | 2.6 | 20 |
| 59 | A 0.25-V 28-nW 58-dB Dynamic Range Asynchronous Delta Sigma Modulator in 130-nm Digital CMOS Process. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2015, 23, 926-934. | 3.1 | 20 |
| 60 | Influence of Hydrogen Bond Donor Identity and Intentional Water Addition on the Properties of Gelatin-Supported Deep Eutectic Solvent Gels. Journal of Physical Chemistry B, 2020, 124, 5986-5992. | 2.6 | 19 |
| 61 | A complete data and power telemetry system utilizing BPSK and LSK signaling for biomedical implants. , 2008, 2008, 3216-9. | | 18 |
| 62 | Multiplexed sensing based on Brownian relaxation of magnetic nanoparticles using a compact AC susceptometer. Nanotechnology, 2011, 22, 085501. | 2.6 | 18 |
| 63 | Fundamental performance limits and scaling of a CMOS passive double-balanced mixer. , 2008, , . | | 17 |
| 64 | Microfluidic optoelectronic sensor based on a composite halochromic material for dissolved carbon dioxide detection. Sensors and Actuators B: Chemical, 2014, 194, 404-409. | 7.8 | 17 |
| 65 | Liquid gated three dimensional graphene network transistor. Carbon, 2014, 79, 572-577. | 10.3 | 17 |
| 66 | Flexible 3D Graphene Transistors with Ionogel Dielectric for Lowâ€Voltage Operation and High Current Carrying Capacity. Advanced Electronic Materials, 2016, 2, 1500355. | 5.1 | 17 |
| 67 | Reel-to-reel fabrication of strain sensing threads and realization of smart insole. Sensors and Actuators A: Physical, 2020, 301, 111741. | 4.1 | 17 |
| 68 | True background calibration technique for pipelined ADC. Electronics Letters, 2000, 36, 786. | 1.0 | 16 |
| 69 | Cost-effective Fabrication of Chitosan Microneedles for Transdermal Drug Delivery. , 2018, 2018, 5737-5740. | | 16 |
| 70 | Thread-based wearable devices. MRS Bulletin, 2021, 46, 502-511. | 3.5 | 16 |
| 71 | A 0.5V Bulk-Input Operational Transconductance Amplifier with Improved Common-Mode Feedback. , 2007, , . | | 15 |
| 72 | Interferometric direction finding with a metamaterial detector. Applied Physics Letters, 2013, 103, . | 3.3 | 15 |

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|---|---|---|---|
| 73 | Three dimensional graphene transistor for ultra-sensitive pH sensing directly in biological media. Analytica Chimica Acta, 2016, 934, 212-217. | 5.4 | 14 |
| 74 | pH sensing threads with CMOS readout for Smart Bandages. , 2017, , . | | 14 |
| 75 | Combined optical and electronic paper-nose for detection of volatile gases. Analytica Chimica Acta, 2018, 1034, 128-136. | 5.4 | 14 |
| 76 | Low-cost paper-based electrochemical sensors with CMOS readout IC. , 2014, , . | | 13 |
| 77 | Dielectrophoretic lab-on-CMOS platform for trapping and manipulation of cells. Biomedical Microdevices, 2016, 18, 6. | 2.8 | 13 |
| 78 | Washable thread based strain sensor for smart textile. , 2017, , . | | 13 |
| 79 | Recent progress in electrospun nanomaterials for wearables. APL Bioengineering, 2022, 6, 021505. | 6.2 | 13 |
| 80 | A Time-Mode Translinear Principle for Nonlinear Analog Computation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2187-2195. | 5.4 | 12 |
| 81 | A flexible pH sensing smart bandage with wireless CMOS readout for chronic wound monitoring. , 2017, , . | | 12 |
| 82 | Disposable colorimetric geometric barcode sensor for food quality monitoring. , 2017, , . | | 12 |
| 83 | All-Around Package Security Using Radio Frequency Identification Threads. , 2018, , . | | 12 |
| 84 | Head motion classification using thread-based sensor and machine learning algorithm. Scientific Reports, 2021, 11, 2646. | 3.3 | 12 |
| 85 | A CMOS imager with digital phase readout for fluorescence lifetime imaging. , 2011, , . | | 11 |
| 86 | Heterogeneous metal-oxide nanowire micro-sensor array for gas sensing. Materials Research Express, 2014, 1, 025002. | 1.6 | 11 |
| 87 | Smart flexible wound dressing with wireless drug delivery. , 2015, , . | | 11 |
| 88 | Gas Analysis System on Chip With Integrated Diverse Nanomaterial Sensor Array. IEEE Sensors Journal, 2015, 15, 3500-3506. | 4.7 | 11 |
| 89 | Flexible thread-based electrochemical sensors for oxygen monitoring. Analyst, The, 2021, 146, 2983-2990. | 3.5 | 11 |
| 90 | Metamaterial absorber for THz polarimetric sensing. , 2018, , . | | 11 |

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| 91 | High-Throughput Heterogeneous Integration of Diverse Nanomaterials on a Single Chip for Sensing Applications. PLoS ONE, 2014, 9, e111377. | 2.5 | 10 |
| 92 | A Compressed sensing analog-to-information converter with edge-triggered SAR ADC Core. , 2012, , . | | 9 |
| 93 | Wireless flexible smart bandage for continuous monitoring of wound oxygenation. , 2014, , . | | 9 |
| 94 | An improved pH mapping bandage with thread-based sensors for chronic wound monitoring. , 2018, , . | | 9 |
| 95 | CMOS microcavity arrays for single-cell electroporation and lysis. Biosensors and Bioelectronics, 2020, 150, 111931. | 10.1 | 9 |
| 96 | High Resolution Frequency Measurement Techniques for Relaxation Oscillator Based Capacitive Sensors. IEEE Sensors Journal, 2021, 21, 13394-13404. | 4.7 | 9 |
| 97 | Thermo-Mechanically Trained Shape Memory Alloy for Temperature Recording With Visual Readout. , 2021, 5, 1-4. | | 9 |
| 98 | Security Monitoring System Using Magnetically-Activated RFID Tags. , 2020, , . | | 9 |
| 99 | An Area-Efficient and Low-Power Logarithmic A/D Converter for Current-Mode Sensor Array. IEEE Sensors Journal, 2009, 9, 2042-2043. | 4.7 | 8 |
| 100 | Carbon nanotube and graphene based gas micro-sensors fabricated by dielectrophoresis on silicon. , 2010, , . | | 8 |
| 101 | Ultra low power PVT independent sub-threshold gm-C filters for low frequency biomedical applications. Analog Integrated Circuits and Signal Processing, 2011, 66, 285-291. | 1.4 | 8 |
| 102 | Low-Voltage Switchable Microplasma Arrays Generated Using Microwave Resonators. IEEE Electron Device Letters, 2013, 34, 804-806. | 3.9 | 8 |
| 103 | Ingestible Osmotic Pill for In Vivo Sampling of Gut Microbiomes. Advanced Intelligent Systems, 2019, 1, 1970052. | 6.1 | 8 |
| 104 | Battery-Free Shape Memory Alloy Antennas for Detection and Recording of Peak Temperature Activity. Crystals, 2022, 12, 86. | 2.2 | 8 |
| 105 | Electronic nose based on graphene, nanotube and nanowire chemiresistor arrays on silicon. , 2011, , . | | 7 |
| 106 | Broadband wireless radio frequency power telemetry using a metamaterial resonator embedded with non-foster impedance circuitry. Applied Physics Letters, 2015, 106, . | 3.3 | 7 |
| 107 | A Flexible Gastric Gas Sensor Based on Functionalized Optical Fiber. IEEE Sensors Journal, 2016, 16, 5243-5248. | 4.7 | 7 |
| 108 | Origami microfluidic paper-analytical-devices (omPAD) for sensing and diagnostics. , 2016, 2016, 307-310. | | 7 |

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| 109 | Wireless Temperature Monitoring With Shape Memory Alloy-Based Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 313-316. | 4.0 | 7 |
| 110 | A Wireless Data and Power Telemetry System Using Novel BPSK Demodulator for Non-Destructive Evaluation of Structures. , 2007, , . | | 6 |
| 111 | A low-power asynchronous ECG acquisition system in CMOS technology. , 2010, 2010, 5262-5. | | 6 |
| 112 | Low-cost metamaterial-on-paper chemical sensor. , 2017, , . | | 6 |
| 113 | On Quantized Analog Compressive Sensing Methods for Efficient Resonator Frequency Estimation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 4556-4565. | 5.4 | 6 |
| 114 | Design and Development of a Robotic Hand with Embedded Sensors Using 3D Printing Technology. , 2021, 6, 273. | | 6 |
| 115 | A 700Mbit/s CMOS capacitive feedback front-end amplifier with automatic gain control for broadband optical wireless links. , 2008, , . | | 5 |
| 116 | A CMOS integrated thermal sensor based on Single-Walled Carbon Nanotubes. , 2008, , . | | 5 |
| 117 | Calibration of Delta-Sigma Data Converters in Synchronous Demodulation Sensing Applications. IEEE Sensors Journal, 2010, 11, 16-22. | 4.7 | 5 |
| 118 | Embedded HEMT/metamaterial composite devices for active terahertz modulation. , 2010, , . | | 5 |
| 119 | Low Power Asynchronous Data Acquisition Front End for Wireless Body Sensor Area Network. , 2011, , . | | 5 |
| 120 | A time-mode translinear principle for implementing analog multiplication. , 2014, , . | | 5 |
| 121 | CMOS sensor for dual fluorescence intensity and lifetime sensing using multicycle charge modulation. , 2017, , . | | 5 |
| 122 | A low noise current readout architecture with 160ÂdB transimpedance gain and 1.3ÂMHz bandwidth. Microelectronics Journal, 2021, 108, 104984. | 2.0 | 5 |
| 123 | Sutures for the wireless sensing of deep wounds. Nature Biomedical Engineering, 2021, 5, 1113-1114. | 22.5 | 5 |
| 124 | A Novel Low Power BPSK Demodulator. , 2007, , . | | 4 |
| 125 | Modeling, simulation and implementation of a passive mixer in 130nm CMOS technology and scaling issues for future technologies. , 2008, , . | | 4 |
| 126 | Paper-based super-capacitor using micro and nano particle deposition for paper-based diagnostics. , 2013, , . | | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | pHâ€Sensing Hydrogel Fibers: Flexible pHâ€Sensing Hydrogel Fibers for Epidermal Applications (Adv.) Tj ETQq1 1 0.784314 rgBT /Ove | 7.6 | 4 |
| 128 | Smart bandages for chronic wound monitoring and on-demand drug delivery. , 2017, , . | | 4 |
| 129 | A CMOS Luminescence Intensity and Lifetime Dual Sensor Based on Multicycle Charge Modulation. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 677-688. | 4.0 | 4 |
| 130 | A PVT independent subthreshold constant-Gm stage for very low frequency applications. , 2008, , . | | 3 |
| 131 | A miniaturized AC magnetic susceptometer for detecting biomolecules tagged to magnetic nanoparticles. , 2009, , . | | 3 |
| 132 | Bandwidth tunable amplifier for recording biopotential signals. , 2010, 2010, 662-5. | | 3 |
| 133 | A 22-bit 110ps time-interpolated Time-to-Digital Converter. , 2012, , . | | 3 |
| 134 | CMOS luminescence lifetime sensor for white LED multi-spectral characterization. , 2017, , . | | 3 |
| 135 | Wearable Flexible Touch Interface Using Smart Threads. , 2018, , . | | 3 |
| 136 | Rapid cleanroom-free fabrication of thread based transistors using three-dimensional stencil-based patterning. Flexible and Printed Electronics, 2021, 6, 015007. | 2.7 | 3 |
| 137 | 3D printed metamaterials for high-frequency applications. , 2019, , . | | 3 |
| 138 | A 3D Printed Robotic Finger with Embedded Tactile Pressure and Strain Sensor. , 2020, , . | | 3 |
| 139 | Sensors for Vital Signs: ECG Monitoring Systems. , 2022, , 221-243. | | 3 |
| 140 | Integration of Single-Walled Carbon Nanotubes on to CMOS Circuitry with Parylene-C Encapsulation. , 2008, , . | | 2 |
| 141 | Current-mode readout cicuits with pixel-level logarithmic ADC for IR FPA applications. , 2008, , . | | 2 |
| 142 | A new GaN HEMT nonlinear model for evaluation and design of 1–2 watt power amplifiers. , 2012, , . | | 2 |
| 143 | 0.5 ÂµW Sub-Threshold Operational Transconductance Amplifiers Using 0.15 Âµm Fully Depleted Silicon-on-Insulator (FDSOI) Process. Journal of Low Power Electronics and Applications, 2012, 2, 155-167. | 2.0 | 2 |
| 144 | CMOS dielectrophoretic Lab-on-Chip platform for manipulation and monitoring of cells. , 2015, 2015, 7530-3. | | 2 |

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|---|---|---|---|
| 145 | A Computationally Efficient Visual Saliency Algorithm Suitable for an Analog CMOS Implementation. Neural Computation, 2018, 30, 2439-2471. | 2.2 | 2 |
| 146 | An Approach for a Wide Dynamic Range Low-Noise Current Readout Circuit. Journal of Low Power Electronics and Applications, 2020, 10, 23. | 2.0 | 2 |
| 147 | A 10-Bit Current Output DAC With Active Resistive Load Interpolation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1803-1806. | 3.0 | 2 |
| 148 | Opportunities for ionic liquid/ionogel gating of emerging transistor architectures. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, . | 1.2 | 2 |
| 149 | On the Design of Low-Power Front-End Receiver Circuits for Broadband Optical Free-Space Links. , 2007, , . | | 1 |
| 150 | Biomedical implant transceiver with novel multi level LSK back telemetry and fully digital BPSK demodulation. , 2009, , . | | 1 |
| 151 | Heterogeneous integration of carbon nanotubes and graphene microassemblies for environmental and breath sensing. , 2011, , . | | 1 |
| 152 | Electronic Transport and Doping Effects in Reduced Graphene Oxide Measured by Scanning Probe Microscopy. Materials Research Society Symposia Proceedings, 2013, 1505, 1. | 0.1 | 1 |
| 153 | IN-SITU LARGE AREA FABRICATION OF METAMATERIALS ON ARBITRARY SUBSTRATES USING PAINT PROCESS. Progress in Electromagnetics Research, 2013, 141, 117-133. | 4.4 | 1 |
| 154 | Low cost spectrometer accessory for cell phone based optical sensor. , 2015, , . | | 1 |
| 155 | Precise time mode multiplier using digital primitives and passive components. , 2016, , . | | 1 |
| 156 | CMOS fluorescence lifetime to frequency converter with background calibration. , 2017, , . | | 1 |
| 157 | Smart Threads for Tissue-Embedded Bioelectronics. , 2022, , . | | 1 |
| 158 | A Multipass Spatial and Temporal Image Filtering APS CMOS Image Sensor. Midwest Symposium on Circuits and Systems, 2006, , . | 1.0 | 0 |
| 159 | Metal-oxide coaxial nanowire photovoltaic cells. , 2011, , . | | 0 |
| 160 | A single chip fluorometer for fluorescence lifetime spectroscopy in 65nm CMOS. , 2011, , . | | 0 |
| 161 | Robust error correction in infofuses. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2012, 468, 361-377. | 2.1 | 0 |
| 162 | Paint-on metamaterial: Low cost fabrication of absorbers at X band frequencies. , 2012, , . | | 0 |

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|---|---|---|---|
| 163 | CMOS Fluorometer for Oxygen Sensing. IEEE Sensors Journal, 2012, 12, 2506-2507. | 4.7 | 0 |
| 164 | Compressed sensing of EEG using a random sampling ADC in 90nm CMOS. , 2013, , . | | 0 |
| 165 | Experimental results on wideband spectrum sensing using random sampling ADC in 90nm CMOS. , 2013, , . | | 0 |
| 166 | A CMOS platform for the integration of heterogeneous arrays of carbon nanotubes and graphene chemiresistors. , 2013, , . | | 0 |
| 167 | Design of electrodes and circuits for cell trapping on CMOS. , 2015, , . | | 0 |
| 168 | Terahertz metamaterials for modulation and detection. , 2015, , . | | 0 |
| 169 | An Analog Visual Saliency Processor using Time-mode Computation. , 2018, , . | | 0 |
| 170 | Circuit implementation of fluorescence lifetime measurement using direct exponential-to-linear conversion. , 2018, , . | | 0 |
| 171 | High Dynamic Range CMOS Imager for Colorimetric Gas Sensors. , 2018, , . | | 0 |
| 172 | CMOS Luminescence Imager With Ambient Light Compensation and Lifetime to Frequency Conversion. IEEE Transactions on Biomedical Circuits and Systems, 2018, 12, 1038-1045. | 4.0 | 0 |
| 173 | Metamaterial Embedded Optical Devices for Millimeter Wave and Terahertz Applications. , 2019, , . | | 0 |
| 174 | An Energy Efficient Time-Mode Analog Neural Network. , 2020, , . | | 0 |
| 175 | High-Speed Terahertz Modulation Using Active Metamaterial. , 2017, , 67-82. | | 0 |
| 176 | Sensors for Vital Signs: ECG Monitoring Systems. , 2018, , 1-23. | | 0 |
| 177 | Compressed Sensing. , 2022, , 155-175. | | 0 |