Sameer R Sonkusale

List of Publications by Year
in descending order

177 papers	4,632 citations	101384 36 h-index	118652 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.	5.2	257
2	High speed terahertz modulation from metamaterials with embedded high electron mobility transistors. Optics Express, 2011, 19, 9968.	1.7	194
3	A Textile Dressing for Temporal and Dosage Controlled Drug Delivery. Advanced Functional Materials, 2017, 27, 1702399.	7.8	187
4	Flexible pHâ€Sensing Hydrogel Fibers for Epidermal Applications. Advanced Healthcare Materials, 2016, 5, 711-719.	3.9	172
5	A toolkit of thread-based microfluidics, sensors, and electronics for 3D tissue embedding for medical diagnostics. Microsystems and Nanoengineering, 2016, 2, 16039.	3.4	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.	3.5	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.	2.7	140
8	Microwave diode switchable metamaterial reflector/absorber. Applied Physics Letters, 2013, 103, .	1.5	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.	3.5	121
10	Biodegradable Nanofibrous Polymeric Substrates for Generating Elastic and Flexible Electronics. Advanced Materials, 2014, 26, 5823-5830.	11.1	117
11	Single and dual band 77/95/110â€‰GHz metamaterial absorbers on flexible polyimide substrate. Applied Physics Letters, 2011, 99, .	1.5	114
12	Dermal Patch with Integrated Flexible Heater for on Demand Drug Delivery. Advanced Healthcare Materials, 2016, 5, 175-184.	3.9	109
13	Low cost smart phone diagnostics for food using paper-based colorimetric sensor arrays. Food Control, 2017, 82, 227-232.	2.8	101
14	Low-cost and cleanroom-free fabrication of microneedles. Microsystems and Nanoengineering, 2018, 4, .	3.4	99
15	Thread-based multiplexed sensor patch for real-time sweat monitoring. Npj Flexible Electronics, 2020, 4, .	5.1	89
16	Wireless Flexible Smart Bandage for Continuous Monitoring of Wound Oxygenation. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 670-677.	2.7	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.	2.6	82
18	Experimental Realization of a Metamaterial Detector Focal Plane Array. Physical Review Letters, 2012, 109, 177401.	2.9	72

#	Article	IF	Citations
19	A pHâ€Mediated Electronic Wound Dressing for Controlled Drug Delivery. Advanced Healthcare Materials, 2018, 7, e1800396.	3.9	69
20	Colorimetric Gas Sensing Washable Threads for Smart Textiles. Scientific Reports, 2019, 9, 5607.	1.6	62
21	CMOS Microelectrode Array for Electrochemical Lab-on-a-Chip Applications. IEEE Sensors Journal, 2009, 9, 609-615.	2.4	58
22	Microfluidic optoelectronic sensor for salivary diagnostics of stomach cancer. Biosensors and Bioelectronics, 2015, 67, 465-471.	5.3	56
23	Paper based platform for colorimetric sensing of dissolved NH3 and CO2. Biosensors and Bioelectronics, 2015, 67, 477-484.	5.3	54
24	Hydrophobic Hydrogels: Toward Construction of Floating (Bio)microdevices. Chemistry of Materials, 2016, 28, 3641-3648.	3.2	49
25	A Novel BPSK Demodulator for Biological Implants. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 1478-1484.	3.5	47
26	A flow through device for simultaneous dielectrophoretic cell trapping and AC electroporation. Scientific Reports, 2019, 9, 11988.	1.6	46
27	Three dimensional printing of metamaterial embedded geometrical optics (MEGO). Microsystems and Nanoengineering, 2019, 5, 16.	3.4	46
28	Flexible and transparent gastric battery: Energy harvesting from gastric acid for endoscopy application. Biosensors and Bioelectronics, 2014, 54, 292-296.	5.3	45
29	Washable Smart Threads for Strain Sensing Fabrics. IEEE Sensors Journal, 2018, 18, 9137-9144.	2.4	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.	3.5	44
31	Input-Feature Correlated Asynchronous Analog to Information Converter for ECG Monitoring. IEEE Transactions on Biomedical Circuits and Systems, 2011, 5, 459-467.	2.7	43
32	Metamaterials for Remote Generation of Spatially Controllable Two Dimensional Array of Microplasma. Scientific Reports, 2014, 4, 5964.	1.6	43
33	Low-cost metamaterial-on-paper chemical sensor. Optics Express, 2017, 25, 16092.	1.7	41
34	A low-voltage high-speed terahertz spatial light modulator using active metamaterial. APL Photonics, 2016, 1, .	3.0	40
35	Ingestible Osmotic Pill for In Vivo Sampling of Gut Microbiomes. Advanced Intelligent Systems, 2019, 1, 1900053.	3.3	40
36	BROADBAND MILLIMETERWAVE METAMATERIAL ABSORBER BASED ON EMBEDDING OF DUAL RESONATORS. Progress in Electromagnetics Research, 2013, 142, 625-638.	1.6	38

#	Article	IF	Citations
37	Kelvin probe microscopy and electronic transport measurements in reduced graphene oxide chemical sensors. Nanotechnology, 2013, 24, 245502.	1.3	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.	2.2	35
39	All electronic approach for high-throughput cell trapping and lysis with electrical impedance monitoring. Biosensors and Bioelectronics, 2014, 54, 462-467.	5.3	35
40	A high-density nanowire electrode on paper for biomedical applications. RSC Advances, 2015, 5, 8680-8687.	1.7	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.	4.0	34
42	Highly Flexible Transistor Threads for All-Thread Based Integrated Circuits and Multiplexed Diagnostics. ACS Applied Materials & Interfaces, 2019, 11, 31096-31104.	4.0	33
43	CMOS VLSI Potentiostat for Portable Environmental Sensing Applications. IEEE Sensors Journal, 2010, 10, 820-821.	2.4	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.	0.9	31
45	A three-dimensional electrochemical paper-based analytical device for low-cost diagnostics. Analyst, The, 2018, 143, 1059-1064.	1.7	31
46	SWNT Based Nanosensors for Wireless Detection of Explosives and Chemical Warfare Agents. IEEE Sensors Journal, 2013, 13, 202-210.	2.4	29
47	Utilization of graphene electrode in transparent microwell arrays for high throughput cell trapping and lysis. Biosensors and Bioelectronics, 2014, 61, 625-630.	5.3	29
48	DNA-decorated carbon-nanotube-based chemical sensors on complementary metal oxide semiconductor circuitry. Nanotechnology, 2010, 21, 095504.	1.3	26
49	Design, Implementation, and Field Testing of a Portable Fluorescence-Based Vapor Sensor. Analytical Chemistry, 2009, 81, 5281-5290.	3.2	24
50	Hard polymeric porous microneedles on stretchable substrate for transdermal drug delivery. Scientific Reports, 2022, 12, 1853.	1.6	24
51	A High Dynamic Range CMOS Image Sensor for Scientific Imaging Applications. IEEE Sensors Journal, 2009, 9, 1209-1218.	2.4	23
52	Loss compensation in Metamaterials through embedding of active transistor based negative differential resistance circuits. Optics Express, 2012, 20, 22406.	1.7	23
53	A 65 nm CMOS Digital Phase Imager for Time-Resolved Fluorescence Imaging. IEEE Journal of Solid-State Circuits, 2012, 47, 1731-1742.	3.5	22
54	Wireless multi-level terahertz amplitude modulator using active metamaterial-based spatial light modulation. Optics Express, 2016, 24, 14618.	1.7	21

#	Article	IF	Citations
55	Single Event Recording of Temperature and Tilt Using Liquid Metal With RFID Tags. IEEE Sensors Journal, 2020, 20, 3249-3256.	2.4	21
56	Cost-Effective Wireless Sensors for Detection of Package Opening and Tampering. IEEE Access, 2020, 8, 117122-117132.	2.6	21
57	Design and implementation of magneticallyâ€“tunable quadâ€“band filter utilizing splitâ€“ring resonators at microwave frequencies. Scientific Reports, 2020, 10, 1050.	1.6	21
58	The heterogeneous integration of single-walled carbon nanotubes onto complementary metal oxide semiconductor circuitry for sensing applications. Nanotechnology, 2009, 20, 225302.	1.3	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.	2.1	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.	1.2	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.	1.3	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.	4.0	17
65	Liquid gated three dimensional graphene network transistor. Carbon, 2014, 79, 572-577.	5.4	17
66	Flexible 3D Graphene Transistors with Ionogel Dielectric for Lowâ€Voltage Operation and High Current Carrying Capacity. Advanced Electronic Materials, 2016, 2, 1500355.	2.6	17
67	Reel-to-reel fabrication of strain sensing threads and realization of smart insole. Sensors and Actuators A: Physical, 2020, 301, 111741.	2.0	17
68	True background calibration technique for pipelined ADC. Electronics Letters, 2000, 36, 786.	0.5	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.	1.7	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, .	1.5	15

#	Article	IF	Citations
73	Three dimensional graphene transistor for ultra-sensitive pH sensing directly in biological media. Analytica Chimica Acta, 2016, 934, 212-217.	2.6	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.	2.6	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.	1.4	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.	3.3	13
80	A Time-Mode Translinear Principle for Nonlinear Analog Computation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 2187-2195.	3.5	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.	1.6	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.	0.8	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.	2.4	11
89	Flexible thread-based electrochemical sensors for oxygen monitoring. Analyst, The, 2021, 146, 2983-2990.	1.7	11
90	Metamaterial absorber for THz polarimetric sensing. , 2018, , .		11

#	Article	IF	Citations
91	High-Throughput Heterogeneous Integration of Diverse Nanomaterials on a Single Chip for Sensing Applications. PLoS ONE, 2014, 9, e111377.	1.1	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.	5.3	9
96	High Resolution Frequency Measurement Techniques for Relaxation Oscillator Based Capacitive Sensors. IEEE Sensors Journal, 2021, 21, 13394-13404.	2.4	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.	2.4	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.	0.9	8
102	Low-Voltage Switchable Microplasma Arrays Generated Using Microwave Resonators. IEEE Electron Device Letters, 2013, 34, 804-806.	2.2	8
103	Ingestible Osmotic Pill for In Vivo Sampling of Gut Microbiomes. Advanced Intelligent Systems, 2019, 1, 1970052.	3.3	8
104	Battery-Free Shape Memory Alloy Antennas for Detection and Recording of Peak Temperature Activity. Crystals, 2022, 12, 86.	1.0	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, .	1.5	7
107	A Flexible Gastric Gas Sensor Based on Functionalized Optical Fiber. IEEE Sensors Journal, 2016, 16, 5243-5248.	2.4	7
108	Origami microfluidic paper-analytical-devices (omPAD) for sensing and diagnostics. , 2016, 2016, 307-310.		7

#	Article	IF	Citations
109	Wireless Temperature Monitoring With Shape Memory Alloy-Based Antenna. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 313-316.	2.4	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.	3.5	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.	2.4	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.	1.1	5
123	Sutures for the wireless sensing of deep wounds. Nature Biomedical Engineering, 2021, 5, 1113-1114.	11.6	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	3.9	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.	2.7	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.	1.5	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.	1.3	2
144	CMOS dielectrophoretic Lab-on-Chip platform for manipulation and monitoring of cells. , 2015, 2015, 7530-3.		2

#	Article	IF	Citations
145	A Computationally Efficient Visual Saliency Algorithm Suitable for an Analog CMOS Implementation. Neural Computation, 2018, 30, 2439-2471.	1.3	2
146	An Approach for a Wide Dynamic Range Low-Noise Current Readout Circuit. Journal of Low Power Electronics and Applications, 2020, 10, 23.	1.3	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.	2.2	2
148	Opportunities for ionic liquid/ionogel gating of emerging transistor architectures. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, .	0.6	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.	1.6	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.	1.0	0
162	Paint-on metamaterial: Low cost fabrication of absorbers at X band frequencies. , 2012, , .		0

#	Article	IF	Citations
163	CMOS Fluorometer for Oxygen Sensing. IEEE Sensors Journal, 2012, 12, 2506-2507.	2.4	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.	2.7	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