

# Horst K Zimmermann

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

207 papers	1,565 citations	19 h-index	33 g-index
274 ext. papers	1,976 ext. citations	2 avg, IF	4.96 L-index

#	Paper	IF	Citations
207	Zero-bias 40Gbit/s germanium waveguide photodetector on silicon. <i>Optics Express</i> , <b>2012</b> , 20, 1096-101	3.3	280
206	A Comparator With Reduced Delay Time in 65-nm CMOS for Supply Voltages Down to 0.65 V. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2009</b> , 56, 810-814	3.5	66
205	Integrated Silicon Optoelectronics. <i>Springer Series in Photonics</i> , <b>2000</b> ,		57
204	. <i>IEEE Photonics Technology Letters</i> , <b>2013</b> , 25, 1428-1431	2.2	41
203	A 16\$, times \$16 Pixel Distance Sensor With In-Pixel Circuitry That Tolerates 150 klx of Ambient Light. <i>IEEE Journal of Solid-State Circuits</i> , <b>2010</b> , 45, 1345-1353	5.5	39
202	Integrated Silicon Optoelectronics. <i>Springer Series in Optical Sciences</i> , <b>2010</b> ,	0.5	38
201	1.25 Gbit/s Over 50 m Step-Index Plastic Optical Fiber Using a Fully Integrated Optical Receiver With an Integrated Equalizer. <i>Journal of Lightwave Technology</i> , <b>2012</b> , 30, 118-122	4	37
200	Design and Implementation of an Integrated Reconfigurable Silicon Photonics Switch Matrix in IRIS Project. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2016</b> , 22, 155-168	3.8	33
199	Low-power 10 Gb/s inductorless inverter based common-drain active feedback transimpedance amplifier in 40 nm CMOS. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2013</b> , 76, 367-376	1.2	32
198	Avalanche Double Photodiode in 40-nm Standard CMOS Technology. <i>IEEE Journal of Quantum Electronics</i> , <b>2013</b> , 49, 350-356	2	27
197	Integrated fiber optical receiver reducing the gap to the quantum limit. <i>Scientific Reports</i> , <b>2017</b> , 7, 2652	4.9	26
196	Silicon carrier depletion modulator with 10Gbit/s driver realized in high-performance photonic BiCMOS. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, 180-187	8.3	25
195	Linear Mode Avalanche Photodiode With High Responsivity Integrated in High-Voltage CMOS. <i>IEEE Electron Device Letters</i> , <b>2014</b> , 35, 897-899	4.4	25
194	Dynamic Integrated MPP Tracker in 0.35 $\mu$ m CMOS. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 2886-2894	7.2	24
193	Single-Photon Avalanche Photodiode Based Fiber Optic Receiver for Up to 200 Mb/s. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2018</b> , 24, 1-8	3.8	23
192	A 65nm CMOS comparator with modified latch to achieve 7GHz/1.3mW at 1.2V and 700MHz/47pW at 0.6V <b>2009</b> ,		23
191	Silicon Optoelectronic Integrated Circuits. <i>Springer Series in Advanced Microelectronics</i> , <b>2004</b> ,	1	22

190	. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 482-485	2.2	21
189	Optical Receiver Using Noise Cancelling With an Integrated Photodiode in 40 nm CMOS Technology. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2013</b> , 60, 1929-1936	3.9	20
188	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2014</b> , 20, 391-400	3.8	19
187	Highly Sensitive Optical Receivers. <i>Springer Series in Advanced Microelectronics</i> , <b>2006</b> ,	1	19
186	Integrated BiCMOS p-i-n Photodetectors With High Bandwidth and High Responsivity. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2006</b> , 12, 1469-1475	3.8	18
185	. <i>IEEE Journal of Solid-State Circuits</i> , <b>2016</b> , 51, 1663-1673	5.5	18
184	PWM-Driven Thermally Tunable Silicon Microring Resonators: Design, Fabrication, and Characterization. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1800275	8.3	17
183	Pulse Shape Measurements by On-Chip Sense Amplifiers of Single Event Transients Propagating Through a 90 nm Bulk CMOS Inverter Chain. <i>IEEE Transactions on Nuclear Science</i> , <b>2012</b> , 59, 2778-2784	1.7	17
182	10Gbit/s 2mW inductorless transimpedance amplifier <b>2012</b> ,		16
181	A design example of a 65 nm CMOS operational amplifier. <i>International Journal of Circuit Theory and Applications</i> , <b>2007</b> , 35, 343-354	2	16
180	0.35 $\mu$ m CMOS avalanche photodiode with high responsivity and responsivity-bandwidth product. <i>Optics Letters</i> , <b>2014</b> , 39, 586-9	3	15
179	A 0.18 $\mu$ m CMOS transimpedance amplifier with 26 dB dynamic range at 2.5 Gb/s. <i>Microelectronics Journal</i> , <b>2011</b> , 42, 1136-1142	1.8	14
178	10Gb/s inverter based cascode transimpedance amplifier in 40nm CMOS technology <b>2013</b> ,		13
177	Real-Time 1.25-Gb/s Transmission Over 50-m SI-POF Using a Green Laser Diode. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 1331-1333	2.2	13
176	\$400~\mu\$ m Diameter APD OEIC in \$0.35~\mu\$ m BiCMOS. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 2004-2007	2.2	13
175	Experimental Investigation of Single-Event Transient Waveforms Depending on Transistor Spacing and Charge Sharing in 65-nm CMOS. <i>IEEE Transactions on Nuclear Science</i> , <b>2017</b> , 64, 2136-2143	1.7	12
174	Extraneous-light resistant multipixel range sensor based on a low-power correlating pixel-circuit <b>2009</b> ,		12
173	Integrated Pulsewidth Modulation Control for a Scalable Optical Switch Matrix. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-7	1.8	11

172	Linear Mode Avalanche Photodiode With 1-GHz Bandwidth Fabricated in 0.35- $\mu\text{m}$ CMOS. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1511-1514	2.2	11
171	Low-Power BiCMOS Optical Receiver With Voltage-Controlled Transimpedance. <i>IEEE Journal of Solid-State Circuits</i> , <b>2007</b> , 42, 613-626	5.5	11
170	Integrated Reconfigurable Silicon Photonics Switch Matrix in IRIS Project: Technological Achievements and Experimental Results. <i>Journal of Lightwave Technology</i> , <b>2019</b> , 37, 345-355	4	11
169	A Fully Integrated SPAD-Based CMOS Data-Receiver With a Sensitivity of $-84$ dBm at 20 Mb/s. <i>IEEE Solid-State Circuits Letters</i> , <b>2018</b> , 1, 2-5	2	10
168	Automated alignment system for optical wireless communication systems using image recognition. <i>Optics Letters</i> , <b>2014</b> , 39, 4045-8	3	10
167	Optical Communication over Plastic Optical Fibers. <i>Springer Series in Optical Sciences</i> , <b>2013</b> ,	0.5	10
166	2.5Gbit/s transimpedance amplifier using noise cancelling for optical receivers <b>2012</b> ,		9
165	Supply Voltage Dependent On-Chip Single-Event Transient Pulse Shape Measurements in 90-nm Bulk CMOS Under Alpha Irradiation. <i>IEEE Transactions on Nuclear Science</i> , <b>2013</b> , 60, 2640-2646	1.7	9
164	Range finding sensor in 90nm CMOS with bridge correlator based background light suppression <b>2010</b> ,		9
163	Optical wireless communication using a fully integrated 400 $\mu\text{m}$ diameter APD receiver. <i>Journal of Engineering</i> , <b>2017</b> , 2017, 506-511	0.7	9
162	APD and SPAD Receivers : Invited Paper <b>2019</b> ,		8
161	A 3D Photonic-Electronic Integrated Transponder Aggregator With $48\times 16$ Heater Control Cells. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 681-684	2.2	8
160	8 Gbits/s inductorless transimpedance amplifier in 90 nm CMOS technology. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2014</b> , 79, 27-36	1.2	8
159	Nonlinear Current Control for Power Electronic Converters: IC Design Aspects and Implementation. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 4910-4916	7.2	8
158	Optical Receiver With Widely Tunable Sensitivity in BiCMOS Technology. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2008</b> , 55, 1223-1236	3.9	8
157	A 0.12 $\mu\text{m}$ CMOS Comparator Requiring 0.5V at 600MHz and 1.5V at 6GHz <b>2007</b> ,		8
156	A 78.4 dB Photo-Sensitivity Dynamic Range, 285 T $\Omega\text{Hz}$ Transimpedance Bandwidth Product BiCMOS Optical Sensor for Optical Storage Systems. <i>IEEE Journal of Solid-State Circuits</i> , <b>2011</b> , 46, 1170-1182	5.5	7
155	OWC using a monolithically integrated 200 $\mu\text{m}$ APD OEIC in 0.35 $\mu\text{m}$ BiCMOS technology. <i>Optics Express</i> , <b>2016</b> , 24, 918-23	3.3	6

154	Optoelectronic Circuits in Nanometer CMOS Technology. <i>Springer Series in Advanced Microelectronics</i> , <b>2016</b> ,	1	6
153	A Low-Power 4GHz Comparator in 120nm CMOS Technology with a Technique to tune Resolution <b>2006</b> ,		6
152	Evidence of Pulse Quenching in AND and OR Gates by Experimental Probing of Full Single-Event Transient Waveforms. <i>IEEE Transactions on Nuclear Science</i> , <b>2018</b> , 65, 382-390	1.7	5
151	Temperature Dependence of Dark Count Rate and After Pulsing of a Single-Photon Avalanche Diode with an Integrated Active Quenching Circuit in 0.35 $\mu$ m CMOS. <i>Journal of Sensors</i> , <b>2018</b> , 2018, 1-7		5
150	Investigation of the distance error induced by cycle-to-cycle jitter in a correlating time-of-flight distance measurement system. <i>Optical Engineering</i> , <b>2014</b> , 53, 073104	1.1	5
149	An integrated optical receiver for 2.5Gbit/s using 4-PAM signaling <b>2010</b> ,		5
148	High dynamic range background light suppression for a TOF distance measurement sensor in 180nm CMOS <b>2011</b> ,		5
147	An 85dB dynamic range transimpedance amplifier in 40nm CMOS technology <b>2011</b> ,		5
146	Efficient four-stage frequency compensation for low-voltage amplifiers <b>2008</b> ,		5
145	Optical wireless APD receivers in 0.35 $\mu$ m HV CMOS technology with large detection area. <i>Optics Express</i> , <b>2019</b> , 27, 11930-11945	3.3	5
144	Ultra-low power low-complexity 37.5 GHz IR-UWB transmitter with spectrum tunability. <i>IET Circuits, Devices and Systems</i> , <b>2020</b> , 14, 521-527	1.1	5
143	Statistical Study of Intrinsic Parasitics in an SPAD-Based Integrated Fiber Optical Receiver. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 497-504	2.9	5
142	Modeling and Analysis of BER Performance in a SPAD-Based Integrated Fiber Optical Receiver. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-11	1.8	5
141	Experimental Investigation of the Joint Influence of Reduced Supply Voltage and Charge Sharing on Single-Event Transient Waveforms in 65-nm Triple-Well CMOS. <i>IEEE Transactions on Nuclear Science</i> , <b>2018</b> , 65, 1908-1913	1.7	4
140	An infrastructure for accurate characterization of single-event transients in digital circuits. <i>Microprocessors and Microsystems</i> , <b>2013</b> , 37, 772-791	2.4	4
139	Monolithically integrated optical random pulse generator in high voltage CMOS technology <b>2015</b> ,		4
138	Improvement of CMOS-Integrated Vertical APDs by Applying Lateral Well Modulation. <i>IEEE Photonics Technology Letters</i> , <b>2015</b> , 27, 1907-1910	2.2	4
137	Analog Filters in Nanometer CMOS. <i>Springer Series in Advanced Microelectronics</i> , <b>2014</b> ,	1	4

136	Comparator-Controlled Rectification at Monolithic Buck Converters for Higher Input Voltages. <i>IEEE Transactions on Power Electronics</i> , <b>2012</b> , 27, 628-631	7.2	4
135	A maximum power-point tracker without digital signal processing in 0.35 $\mu\text{m}$ CMOS for automotive applications <b>2012</b> ,		4
134	An integrated low power buck converter with a comparator controlled low-side switch <b>2010</b> ,		4
133	A 122 THz transimpedance bandwidth product BiCMOS optical sensor front-end with a 54.7 dB voltage-controlled photo-sensitivity range. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2009</b> , 61, 19-33	1.2	4
132	Blue-Enhanced PIN Finger Photodiodes in a 0.35- $\mu\text{m}$ SiGe BiCMOS Technology. <i>IEEE Photonics Technology Letters</i> , <b>2009</b> , 21, 1656-1658	2.2	4
131	Continuous-Time Common-Mode Feedback Circuit for Applications with Large Output Swing and High Output Impedance <b>2008</b> ,		4
130	Performance of high-voltage CMOS single-photon avalanche diodes with and without well-modulation technique. <i>Optical Engineering</i> , <b>2020</b> , 59, 1	1.1	4
129	10 Gb/s Switchable Binary/PAM-4 Receiver and Ring Modulator Driver for 3-D Optoelectronic Integration. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2016</b> , 22, 344-352	3.8	4
128	Optical and Electrical Characterization and Modeling of Photon Detection Probability in CMOS Single-Photon Avalanche Diodes. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 7572-7580	4	4
127	Visible light communication at 50 Mbit/s using a red LED and an SPAD receiver <b>2018</b> ,		4
126	A DC-to-8.5 GHz 32 : 1 Analog Multiplexer for On-Chip Continuous-Time Probing of Single-Event Transients in a 65-nm CMOS. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2017</b> , 64, 377-381	3.5	3
125	Optoelectronic Circuits in Nanometer CMOS Technology. <i>Springer Series in Advanced Microelectronics</i> , <b>2016</b> , 217-240	1	3
124	Vertical triple-junction RGB optical sensor with signal processing based on the determination of the space-charge region borders. <i>Optics Letters</i> , <b>2014</b> , 39, 5042-5	3	3
123	Laser Diode Current Driver With $(1-t/T)^{-1}$ Time Dependence in 0.35- $\mu\text{m}$ BiCMOS Technology for Quantum Random Number Generators. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2017</b> , 64, 510-514	3.5	3
122	On Optimal Latin Hypercube Design for Yield Analysis of Analog Circuits <b>2015</b> ,		3
121	Highly sensitive 2 Gb/s optoreceiver with CMOS compatible avalanche photodiode <b>2014</b> ,		3
120	Avalanche photodiode with high responsivity in 0.35 $\mu\text{m}$ CMOS. <i>Optical Engineering</i> , <b>2014</b> , 53, 043105	1.1	3
119	pn photodiode in 0.35 - $\mu\text{m}$ high-voltage CMOS with 1.2-GHz bandwidth. <i>Optical Engineering</i> , <b>2014</b> , 53, 116114	1.1	3

118	Phototransistor noise model based on noise measurements on PNP PIN phototransistors. <i>Optical and Quantum Electronics</i> , <b>2014</b> , 46, 1269-1275	2.4	3
117	A background light resistant TOF range finder with integrated PIN photodiode in 0.35 $\mu$ m CMOS <b>2013</b> ,		3
116	FPGA based time-of-flight 3D camera characterization system <b>2013</b> ,		3
115	TOF range finding sensor in 90nm CMOS capable of suppressing 180 klx ambient light <b>2010</b> ,		3
114	Integrated phototransistors in a CMOS process for optoelectronic integrated circuits <b>2010</b> ,		3
113	A 2B2 range-finding sensor array with pixel-inherent suppression of ambient light up to 120klx <b>2009</b> ,		3
112	A 1GHz-GBW operational amplifier for DVB-H receivers in 65nm CMOS <b>2009</b> ,		3
111	Basics of Optical Emission and Absorption. <i>Springer Series in Optical Sciences</i> , <b>2009</b> , 1-9	0.5	3
110	Rail-to-rail BiCMOS operational amplifier using input signal adapters with floating outputs. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2010</b> , 63, 433-449	1.2	3
109	A clocked, regenerative comparator in 0.12 $\mu$ m CMOS with tunable sensitivity. <i>Solid-State Circuits Conference, 2008 ESSCIRC 2008 34th European</i> , <b>2007</b> ,		3
108	Distance Measurement Line Sensor with PIN Photodiodes <b>2006</b> ,		3
107	A 3rd-Order 235MHz Low-Pass gmC-Filter in 120nm CMOS <b>2006</b> ,		3
106	Optimized silicon CMOS reach-through avalanche photodiode with 2.3-GHz bandwidth. <i>Optical Engineering</i> , <b>2017</b> , 56, 1	1.1	3
105	Comparison of CMOS and BiCMOS optical receiver SoCs <b>2003</b> ,		3
104	A Nonlinear Average-Current-Controlled Multiphase Boost Converter With Monolithically Integrated Control and Low-Side Power Switches in 0.35- $\mu$ m HV CMOS for the Automotive Sector. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2015</b> , 3, 405-421	5.6	2
103	Area and Power Efficient 38.8-GHz IR-UWB Transmitter With Spectrum Tunability. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2020</b> , 30, 39-42	2.6	2
102	A 54.2-dB Current Gain Dynamic Range, 1.78-GHz Gain-Bandwidth Product CMOS VCCA2. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2019</b> , 66, 46-50	3.5	2
101	PIN-photodiode based active pixel in 0.35 $\mu$ m high-voltage CMOS for optical coherence tomography <b>2019</b> ,		2



100	CMOS integrated MPP tracker with analog power measurement at the PV converter input. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2014</b> , 79, 385-393	1.2	2
99	On fully differential and complementary single-stage self-biased CMOS differential amplifiers <b>2013</b> ,		2
98	Correction of the temperature induced error of the illumination source in a time-of-flight distance measurement setup <b>2013</b> ,		2
97	Optical wireless monolithically integrated receiver with large-area APD and dc current rejection <b>2017</b> ,		2
96	Thick detection zone single-photon avalanche diode fabricated in 0.35 $\mu$ m complementary metal-oxide semiconductors. <i>Optical Engineering</i> , <b>2015</b> , 54, 050503	1.1	2
95	Optical wireless receiver circuit with integrated APD and high background-light immunity <b>2015</b> ,		2
94	Monolithically integrated avalanche photodiode receiver in 0.35 $\mu$ m bipolar complementary metal oxide semiconductor. <i>Optical Engineering</i> , <b>2015</b> , 54, 110502	1.1	2
93	10 Gb/s 4-PAM Ring Modulator Driver <b>2015</b> ,		2
92	BiCMOS-integrated photodiode exploiting drift enhancement. <i>Optical Engineering</i> , <b>2014</b> , 53, 087103	1.1	2
91	Analytical analysis of a p-n junction with arbitrary shaped doping profile <b>2012</b> ,		2
90	Passive mixer with OPA filter for DVB-H front-end in 65nm digital CMOS technology. <i>Microelectronics Journal</i> , <b>2012</b> , 43, 975-979	1.8	2
89	Time-Of-Flight range finding sensor using an integrated PNP PIN Phototransistor in 180 nm CMOS <b>2012</b> ,		2
88	Photovoltaic energy harvesting for hybrid/electric vehicles: Topology comparison and optimisation of a discrete power stage for European Efficiency <b>2012</b> ,		2
87	Correction of a phase dependent error in a time-of-flight range sensor <b>2013</b> ,		2
86	A BJT translinear loop based optoelectronic integrated circuit with variable transimpedance for optical storage systems. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2011</b> , 66, 293-298	1.2	2
85	Sunlight-proof optical distance measurements with a dual-line lock-in time-of-flight sensor. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2011</b> , 68, 59-68	1.2	2
84	A low-voltage complementary metal-oxide semiconductor adapter circuit suitable for input rail-to-rail operation. <i>International Journal of Electronics</i> , <b>2010</b> , 97, 1283-1309	1.2	2
83	Charging multiple batteries using the boost-flyback converter <b>2012</b> ,		2



82	HELIOS: photonics electronics functional integration on CMOS <b>2010</b> ,		2
81	Low-Voltage Low-Power Highly Linear Down-Sampling Mixer in 65nm Digital CMOS Technology <b>2008</b> ,		2
80	Integrated optical receiver for lens-less free-space communication <b>2008</b> ,		2
79	BiCMOS phototransistors <b>2008</b> ,		2
78	Fast transimpedance switching burst-mode CMOS optical receiver. <i>International Journal of Circuit Theory and Applications</i> , <b>2007</b> , 35, 355-370	2	2
77	Time-of-flight based pixel architecture with integrated double-cathode photodetector <b>2007</b> ,		2
76	Optical receivers with large-diameter photodiode <b>2006</b> , 6183, 315		2
75	Integrated photodiodes in standard BiCMOS technology <b>2003</b> , 4989, 103		2
74	Investigation of optical interconnect receivers in standard micron and submicron MOS technology. <i>Optical Engineering</i> , <b>2003</b> , 42, 773	1.1	2
73	High-performance receivers for optical interconnects in standard MOS technology <b>2001</b> ,		2
72	Determination of the excess noise of avalanche photodiodes integrated in 0.35- $\mu$ m CMOS technologies. <i>Optical Engineering</i> , <b>2018</b> , 57, 1	1.1	2
71	Optoelectronic Devices in Silicon-on-Insulator. <i>Springer Series in Photonics</i> , <b>2000</b> , 129-138		2
70	Synchronous OEIC Integrating Receiver for Optically Reconfigurable Gate Arrays. <i>Sensors</i> , <b>2016</b> , 16,	3.8	2
69	45-channel monolithically integrated, high-temperature capable optical receiver with a total data rate of 140 Gbit / s. <i>Optical Engineering</i> , <b>2015</b> , 54, 067111	1.1	1
68	Optical receivers in 0.35 $\mu$ m BiCMOS for heterogeneous 3D integration <b>2016</b> ,		1
67	Influence of On-Off Keying Duty Cycle on BER in Wireless Optical Communication Up to 75 Mbit/s Using an SPAD and a RC LED <b>2018</b> ,		1
66	A 10 Gb/s 0.25 $\mu$ m SiGe modulator driver for photonic-integration. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2014</b> , 79, 15-25	1.2	1
65	Corrections to Optical Wireless Communication With Adaptive Focus and MEMS-Based Beam Steering [Aug 1 2013 1428-1431]. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 2411-2411	2.2	1

64	Optoelectronic integrated circuit for indoor optical wireless communication with adjustable beam <b>2013,</b>		1
63	A new sampling technique for Monte Carlo-based statistical circuit analysis <b>2017,</b>		1
62	A monolithically integrated silicon modulator with a 10 Gb/s 5 Vpp or 5.6 Vpp driver in 0.25 $\mu$ m SiGe:C BiCMOS. <i>Frontiers in Physics</i> , <b>2014</b> , 2,	3.9	1
61	Current-Mode Filters. <i>Springer Series in Advanced Microelectronics</i> , <b>2014</b> , 67-117	1	1
60	Phototransistor based Time-of-Flight range finding sensor in an 180 nm CMOS process <b>2012,</b>		1
59	A fully complementary and fully differential self-biased asynchronous CMOS comparator <b>2012,</b>		1
58	A 10Gb/s inductorless push pull current mirror transimpedance amplifier <b>2012,</b>		1
57	A 40 nm LP CMOS self-biased continuous-time comparator with sub-100ps delay at 1.1V & 1.2mW <b>2013,</b>		1
56	CMOS chip with multi junction photo detector for sensing biomedical signals <b>2013,</b>		1
55	High-Gain Double-Bulk Mixer in 65 nm CMOS with 830 pW Power Consumption. <i>ETRI Journal</i> , <b>2010</b> , 32, 457-459	1.4	1
54	A mixer-filter combination of a direct conversion receiver for DVB-H applications in 65nm CMOS <b>2010,</b>		1
53	High-speed PNP PIN phototransistors in a 0.18 $\mu$ m CMOS process <b>2011,</b>		1
52	A current-mode continuous-time filter for software defined radio solutions. <i>Analog Integrated Circuits and Signal Processing</i> , <b>2009</b> , 58, 27-33	1.2	1
51	40Gbit/s germanium waveguide photodetector on silicon <b>2012,</b>		1
50	A low-voltage low-power fully differential rail-to-rail input/output opamp in 65-nm CMOS <b>2008,</b>		1
49	A SiGe optical receiver with large-area photodiode <b>2007,</b>		1
48	Parallel optical interconnects with mixed-signal OEIC and fibre arrays for high-speed communication <b>2004</b> , 5453, 111		1
47	Complete low-cost 625Mbit/s optical fiber receiver in 0.6 $\mu$ m BiCMOS technology <b>2005,</b>		1

46	Monolithische Korrelationsempfänger für optische Abstandsmessung (Integrated Correlation Receivers for Runtime Based Optical Distance Measurement). <i>TM Technisches Messen</i> , <b>2005</b> , 72, 230-235 <sup>0.7</sup>	1
45	Cascoded Active Quencher for SPADs with Bipolar Differential Amplifier in 0.35µm BiCMOS. <i>IEEE Photonics Journal</i> , <b>2022</b> , 1-1	1.8 1
44	Avalanche Transients of Thick 0.35 µm CMOS Single-Photon Avalanche Diodes. <i>Micromachines</i> , <b>2020</b> , 11,	3.3 1
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