List of Publications by Year in descending order

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| | | 61857 | 64668 |
|----------|----------------|--------------|----------------|
| 231 | 7,290 | 43 | 79 |
| papers | citations | h-index | g-index |
| | | | |
| | | | |
| | | | |
| 233 | 233 | 233 | 3340 |
| all docs | docs citations | times ranked | citing authors |
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FRANCO ZADRA

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Avalanche photodiodes and quenching circuits for single-photon detection. Applied Optics, 1996, 35, 1956. | 2.1 | 850 |
| 2 | On the bremsstrahlung origin of hot-carrier-induced photons in silicon devices. IEEE Transactions on Electron Devices, 1993, 40, 577-582. | 1.6 | 259 |
| 3 | Evolution and prospects for single-photon avalanche diodes and quenching circuits. Journal of Modern Optics, 2004, 51, 1267-1288. | 0.6 | 257 |
| 4 | Principles and features of single-photon avalanche diode arrays. Sensors and Actuators A: Physical, 2007, 140, 103-112. | 2.0 | 250 |
| 5 | Progress in Silicon Single-Photon Avalanche Diodes. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 852-862. | 1.9 | 237 |
| 6 | CMOS Imager With 1024 SPADs and TDCs for Single-Photon Timing and 3-D Time-of-Flight. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 364-373. | 1.9 | 198 |
| 7 | Advances in InGaAsP-based avalanche diode single photon detectors. Journal of Modern Optics, 2011, 58, 174-200. | 0.6 | 170 |
| 8 | Photon-efficient imaging with a single-photon camera. Nature Communications, 2016, 7, 12046. | 5.8 | 169 |
| 9 | SPAD Figures of Merit for Photon-Counting, Photon-Timing, and Imaging Applications: A Review. IEEE Sensors Journal, 2016, 16, 3-12. | 2.4 | 161 |
| 10 | Single photon avalanche diodes (SPADs) for 1.5 μm photon counting applications. Journal of Modern Optics, 2007, 54, 283-304. | 0.6 | 156 |
| 11 | 100 000 Frames/s 64 × 32 Single-Photon Detector Array for 2-D Imaging and 3-D Ranging. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 354-363. | 1.9 | 144 |
| 12 | A High-Linearity, 17 ps Precision Time-to-Digital Converter Based on a Single-Stage Vernier Delay Loop Fine Interpolation. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 557-569. | 3.5 | 143 |
| 13 | Single-photon detection beyond 1 μm: performance of commercially available InGaAs/InP detectors. Applied Optics, 1996, 35, 2986. | 2.1 | 141 |
| 14 | Spectrum folding and phase noise in LC tuned oscillators. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 1998, 45, 781-790. | 2.3 | 130 |
| 15 | Time-Resolved Diffuse Reflectance Using Small Source-Detector Separation and Fast Single-Photon Gating. Physical Review Letters, 2008, 100, 138101. | 2.9 | 119 |
| 16 | Monolithic active-quenching and active-reset circuit for single-photon avalanche detectors. IEEE Journal of Solid-State Circuits, 2003, 38, 1298-1301. | 3.5 | 103 |
| 17 | Development of new photon-counting detectors for single-molecule fluorescence microscopy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120035. | 1.8 | 100 |
| 18 | Two-Dimensional SPAD Imaging Camera for Photon Counting. IEEE Photonics Journal, 2010, 2, 759-774. | 1.0 | 96 |

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| 19 | Fast Sensing and Quenching of CMOS SPADs for Minimal Afterpulsing Effects. IEEE Photonics Technology Letters, 2013, 25, 776-779. | 1.3 | 93 |
| 20 | Fast-gated single-photon counting technique widens dynamic range and speeds up acquisition time in time-resolved measurements. Optics Express, 2011, 19, 10735. | 1.7 | 89 |
| 21 | A VLSI-compatible high-speed silicon photodetector for optical data link applications. IEEE Transactions on Electron Devices, 1996, 43, 1054-1060. | 1.6 | 84 |
| 22 | SPADs and SiPMs Arrays for Long-Range High-Speed Light Detection and Ranging (LiDAR). Sensors, 2021, 21, 3839. | 2.1 | 83 |
| 23 | Silicon planar technology for single-photon optical detectors. IEEE Transactions on Electron Devices, 2003, 50, 918-925. | 1.6 | 82 |
| 24 | Fast-Gated Single-Photon Avalanche Diode for Wide Dynamic Range Near Infrared Spectroscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1023-1030. | 1.9 | 81 |
| 25 | Variable-load quenching circuit for single-photon avalanche diodes. Optics Express, 2008, 16, 2232. | 1.7 | 78 |
| 26 | SPAD Smart Pixel for Time-of-Flight and Time-Correlated Single-Photon Counting Measurements. IEEE Photonics Journal, 2012, 4, 795-804. | 1.0 | 77 |
| 27 | CMOS SPADs with up to 500 μm diameter and 55% detection efficiency at 420 nm. Journal of Modern Optics, 2014, 61, 102-115. | 0.6 | 77 |
| 28 | Solidâ€state singleâ€photon detectors. Optical Engineering, 1996, 35, 938. | 0.5 | 76 |
| 29 | Compact active quenching circuit for fast photon counting with avalanche photodiodes. Review of Scientific Instruments, 1996, 67, 3440-3448. | 0.6 | 76 |
| 30 | Automotive Three-Dimensional Vision Through a Single-Photon Counting SPAD Camera. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 782-795. | 4.7 | 75 |
| 31 | SPICE modeling of single photon avalanche diodes. Sensors and Actuators A: Physical, 2009, 153, 197-204. | 2.0 | 74 |
| 32 | Single-Photon Avalanche Diodes in a 0.16 μm BCD Technology With Sharp Timing Response and Red-Enhanced Sensitivity. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-9. | 1.9 | 73 |
| 33 | Electronics for single photon avalanche diode arrays. Sensors and Actuators A: Physical, 2007, 140, 113-122. | 2.0 | 69 |
| 34 | Single-Photon Avalanche Diode Model for Circuit Simulations. IEEE Photonics Technology Letters, 2007, 19, 1922-1924. | 1.3 | 67 |
| 35 | Single-photon avalanche diodes for the near-infrared range: detector and circuit issues. Journal of Modern Optics, 2009, 56, 299-308. | 0.6 | 64 |
| 36 | An integrated active-quenching circuit for single-photon avalanche diodes. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 1167-1175. | 2.4 | 57 |

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| 37 | CMOS Circuit Testing via Time-Resolved Luminescence Measurements and Simulations. IEEE Transactions on Instrumentation and Measurement, 2004, 53, 163-169. | 2.4 | 53 |
| 38 | Enhanced single-photon time-of-flight 3D ranging. Optics Express, 2015, 23, 24962. | 1.7 | 52 |
| 39 | Photonâ€assisted avalanche spreading in reachâ€through photodiodes. Applied Physics Letters, 1993, 62, 606-608. | 1.5 | 50 |
| 40 | Time-Resolved Diffuse Optical Spectroscopy up to 1700 nm by Means of a Time-Gated InGaAs/InP Single-Photon Avalanche Diode. Applied Spectroscopy, 2012, 66, 944-950. | 1.2 | 48 |
| 41 | Design Criteria for InGaAs/InP Single-Photon Avalanche Diode. IEEE Photonics Journal, 2013, 5, 6800209-6800209. | 1.0 | 47 |
| 42 | Sub-Rayleigh Imaging via <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:mi>N</mml:mi></mml:math> -Photon Detection. Physical Review Letters, 2010, 105, 163602. | 2.9 | 46 |
| 43 | Non-contact time-resolved diffuse reflectance imaging at null source-detector separation. Optics Express, 2012, 20, 283. | 1.7 | 46 |
| 44 | High-speed multi-exposure laser speckle contrast imaging with a single-photon counting camera. Biomedical Optics Express, 2015, 6, 2865. | 1.5 | 46 |
| 45 | A Single-Photon Avalanche Camera for Fluorescence Lifetime Imaging Microscopy and Correlation Spectroscopy. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 344-353. | 1.9 | 45 |
| 46 | High-speed CMOS circuit testing by 50 ps time-resolved luminescence measurements. IEEE Transactions on Electron Devices, 2001, 48, 2830-2835. | 1.6 | 42 |
| 47 | Fully-integrated CMOS single photon counter. Optics Express, 2007, 15, 2873. | 1.7 | 42 |
| 48 | InGaAs/InP Single-Photon Avalanche Diode With Reduced Afterpulsing and Sharp Timing Response With 30 ps Tail. IEEE Journal of Quantum Electronics, 2012, 48, 1227-1232. | 1.0 | 42 |
| 49 | A Compact Two-Wavelength Time-Domain NIRS System Based on SiPM and Pulsed Diode Lasers. IEEE Photonics Journal, 2017, 9, 1-14. | 1.0 | 42 |
| 50 | Low-noise and large-area CMOS SPADs with timing response free from slow tails. , 2012, , . | | 39 |
| 51 | A process and deep level evaluation tool: afterpulsing in avalanche junctions. , 0, , . | | 37 |
| 52 | SPAD-based asynchronous-readout array detectors for image-scanning microscopy. Optica, 2020, 7, 755. | 4.8 | 37 |
| 53 | Single-fiber diffuse optical time-of-flight spectroscopy. Optics Letters, 2012, 37, 2877. | 1.7 | 36 |
| 54 | Fill-factor improvement of Si CMOS single-photon avalanche diode detector arrays by integration of diffractive microlens arrays. Optics Express, 2015, 23, 33777. | 1.7 | 36 |

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| 55 | Single-photon avalanche diode with ultrafast pulse response free from slow tails. IEEE Electron Device Letters, 1993, 14, 360-362. | 2.2 | 35 |
| 56 | Effects of time-gated detection in diffuse optical imaging at short source-detector separation. Journal Physics D: Applied Physics, 2015, 48, 045401. | 1.3 | 35 |
| 57 | High-rate photon counting and picosecond timing with silicon-SPAD based compact detector modules. Journal of Modern Optics, 2007, 54, 225-237. | 0.6 | 34 |
| 58 | Recent advances in the detection of optical photons with silicon photodiodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 326, 290-294. | 0.7 | 33 |
| 59 | Single-photon pulsed-light indirect time-of-flight 3D ranging. Optics Express, 2013, 21, 5086. | 1.7 | 32 |
| 60 | High-Speed Quantum Random Number Generation Using CMOS Photon Counting Detectors. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 23-29. | 1.9 | 32 |
| 61 | Wearable and wireless time-domain near-infrared spectroscopy system for brain and muscle hemodynamic monitoring. Biomedical Optics Express, 2020, 11, 5934. | 1.5 | 31 |
| 62 | SPADA: single-photon avalanche diode arrays. IEEE Photonics Technology Letters, 2005, 17, 657-659. | 1.3 | 29 |
| 63 | Fast Active Quenching Circuit for Reducing Avalanche Charge and Afterpulsing in InGaAs/InP Single-Photon Avalanche Diode. IEEE Journal of Quantum Electronics, 2013, 49, 563-569. | 1.0 | 29 |
| 64 | High-Fill-Factor <inline-formula> <tex-math notation="LaTeX">\$60imes 1\$ </tex-math></inline-formula> SPAD Array With 60 Subnanosecond Integrated TDCs. IEEE Photonics Technology Letters, 2015, 27, 1261-1264. | 1.3 | 28 |
| 65 | Ultra high-throughput single molecule spectroscopy with a 1024 pixel SPAD. Proceedings of SPIE, 2011, 7905, . | 0.8 | 27 |
| 66 | Afterpulse-like noise limits dynamic range in time-gated applications of thin-junction silicon silicon single-photon avalanche diode. Applied Physics Letters, 2012, 100, 241111. | 1.5 | 27 |
| 67 | Monolithic CMOS detector module for photon counting and picosecond timing. , 0, , . | | 25 |
| 68 | Single Photon Avalanche Diode Arrays for Quantum Imaging and Microscopy. Advanced Quantum Technologies, 2021, 4, 2100005. | 1.8 | 25 |
| 69 | SPICE Electrical Models and Simulations of Silicon Photomultipliers. IEEE Transactions on Nuclear Science, 2015, 62, 1950-1960. | 1.2 | 24 |
| 70 | Real-time multispectral fluorescence lifetime imaging using Single Photon Avalanche Diode arrays. Scientific Reports, 2020, 10, 8116. | 1.6 | 24 |
| 71 | Nanosecond single-photon timing with InGaAs/InP photodiodes. Optics Letters, 1994, 19, 846. | 1.7 | 22 |
| 72 | Complete single-photon counting and timing module in a microchip. Optics Letters, 2005, 30, 1327. | 1.7 | 22 |

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| 73 | Low-noise low-jitter 32-pixels CMOS single-photon avalanche diodes array for single-photon counting from 300 nm to 900 nm. Review of Scientific Instruments, 2013, 84, 123112. | 0.6 | 22 |
| 74 | Large-Area, Fast-Gated Digital SiPM With Integrated TDC for Portable and Wearable Time-Domain NIRS. IEEE Journal of Solid-State Circuits, 2020, 55, 3097-3111. | 3.5 | 21 |
| 75 | High-rate quantum key distribution at short wavelength: Performance analysis and evaluation of silicon single photon avalanche diodes. Journal of Modern Optics, 2003, 50, 2251-2269. | 0.6 | 20 |
| 76 | Integrated Circuit for Subnanosecond Gating of InGaAs/InP SPAD. IEEE Journal of Quantum Electronics, 2015, 51, 1-7. | 1.0 | 20 |
| 77 | Monolithic time-to-digital converter with 20ps resolution. , 0, , . | | 19 |
| 78 | Hot-Carrier Photoemission in Scaled CMOS Technologies: A Challenge for Emission Based Testing and Diagnostics. , 2006, , . | | 19 |
| 79 | Compact, Low-Power and Fully Reconfigurable 10 ps Resolution, 160 Range, Time-Resolved Single-Photon Counting System. IEEE Sensors Journal, 2016, 16, 3827-3833. | 2.4 | 19 |
| 80 | Single-Photon Detectors Modeling and Selection Criteria for High-Background LiDAR. IEEE Sensors Journal, 2020, 20, 7021-7032. | 2.4 | 19 |
| 81 | Statistical Modelling of SPADs for Time-of-Flight LiDAR. Sensors, 2021, 21, 4481. | 2.1 | 19 |
| 82 | High concentration factor diffractive microlenses integrated with CMOS single-photon avalanche diode detector arrays for fill-factor improvement. Applied Optics, 2020, 59, 4488. | 0.9 | 19 |
| 83 | Subnanosecond single-photon timing with commercially available germanium photodiodes. Optics Letters, 1993, 18, 75. | 1.7 | 18 |
| 84 | MRS detectors with high gain for registration of weak visible and UV light fluxes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 387, 225-230. | 0.7 | 18 |
| 85 | Single-Photon Avalanche Diode Arrays for Fast Transients and Adaptive Optics. IEEE Transactions on Instrumentation and Measurement, 2006, 55, 365-374. | 2.4 | 18 |
| 86 | InGaAs SPAD and electronics for low time jitter and low noise. , 2007, , . | | 18 |
| 87 | Optimum amplification of microchannelâ€plate photomultiplier pulses for picosecond photon timing. Review of Scientific Instruments, 1991, 62, 2596-2601. | 0.6 | 17 |
| 88 | Effects of trap levels in single-photon optical time-domain reflectometry: evaluation and correction. Journal of Lightwave Technology, 1992, 10, 1398-1402. | 2.7 | 16 |
| 89 | Photon counting arrays for astrophysics. Journal of Modern Optics, 2007, 54, 163-189. | 0.6 | 16 |
| 90 | Photon-counting chip for avalanche detectors. IEEE Photonics Technology Letters, 2005, 17, 184-186. | 1.3 | 15 |

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| 91 | InGaAs/InP single-photon avalanche diodes show low dark counts and require moderate cooling. , 2009, , . | | 15 |
| 92 | Fast single-photon imager acquires 1024 pixels at 100 kframe/s. , 2009, , . | | 15 |
| 93 | 10 ps resolution, 160 ns full scale range and less than 1.5% differential non-linearity time-to-digital converter module for high performance timing measurements. Review of Scientific Instruments, 2012, 83, 074703. | 0.6 | 15 |
| 94 | New photon-counting detectors for single-molecule fluorescence spectroscopy and imaging. , 2011, 8033, 803316. | | 14 |
| 95 | Planar CMOS analog SiPMs: design, modeling, and characterization. Journal of Modern Optics, 2015, 62, 1693-1702. | 0.6 | 14 |
| 96 | Pushing technologies: single-photon avalanche diode arrays. , 2004, , . | | 13 |
| 97 | Gated SPAD Arrays for Single-Photon Time-Resolved Imaging and Spectroscopy. IEEE Photonics Journal, 2019, 11, 1-10. | 1.0 | 13 |
| 98 | Multi-Channel FPGA Time-to-Digital Converter With 10 ps Bin and 40 ps FWHM. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9. | 2.4 | 13 |
| 99 | Constantâ€fraction circuits for picosecond photon timing with microchannel plate photomultipliers. Review of Scientific Instruments, 1993, 64, 118-124. | 0.6 | 12 |
| 100 | High-throughput single-molecule fluorescence spectroscopy using parallel detection. , 2010, 7608, . | | 12 |
| 101 | Fast-gated single-photon avalanche diode for extremely wide dynamic-range applications. Proceedings of SPIE, 2009, , . | 0.8 | 11 |
| 102 | Charge Persistence in InGaAs/InP Single-Photon Avalanche Diodes. IEEE Journal of Quantum Electronics, 2016, 52, 1-7. | 1.0 | 11 |
| 103 | True constant fraction trigger circuit for picosecond photon-timing with ultrafast microchannel plate photomultipliers. Review of Scientific Instruments, 1997, 68, 2228-2237. | 0.6 | 10 |
| 104 | A probe detector for defectivity assessment in p-n junctions. IEEE Transactions on Electron Devices, 2000, 47, 609-616. | 1.6 | 10 |
| 105 | Single-photon imaging at 20,000  framesâ^•s. Optics Letters, 2005, 30, 3024. | 1.7 | 10 |
| 106 | Modeling of afterpulsing in single-photon avalanche diodes. Proceedings of SPIE, 2011, , . | 0.8 | 10 |
| 107 | Avalanche Current Waveform Estimated From Electroluminescence in InGaAs/InP SPADs. IEEE Photonics Technology Letters, 2013, 25, 1778-1780. | 1.3 | 10 |
| 108 | MiSPIA: microelectronic single-photon 3D imaging arrays for low-light high-speed safety and security applications. , 2013, , . | | 10 |

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| 109 | Growths and diffusions for InGaAs/InP single-photon avalanche diodes. Sensors and Actuators A: Physical, 2013, 201, 207-213. | 2.0 | 10 |
| 110 | Silicon planar technology for single-photon optical detectors. , 2004, , . | | 9 |
| 111 | Germanium and InGaAs/InP SPADs for single-photon detection in the near-infrared. Proceedings of SPIE, 2007, , . | 0.8 | 9 |
| 112 | Smart-pixel with SPAD detector and time-to-digital converter for time-correlated single photon counting. , 2010, , . | | 9 |
| 113 | SPAD imagers for remote sensing at the single-photon level. , 2012, , . | | 9 |
| 114 | Spot Tracking and TDC Sharing in SPAD Arrays for TOF LiDAR. Sensors, 2021, 21, 2936. | 2.1 | 9 |
| 115 | Single-photon avalanche diode arrays and CMOS microelectronics for counting, timing, and imaging quantum events. Proceedings of SPIE, 2010, , . | 0.8 | 8 |
| 116 | Single-photon camera for high-sensitivity high-speed applications. Proceedings of SPIE, 2010, , . | 0.8 | 8 |
| 117 | Monitoring the motor cortex hemodynamic response function in freely moving walking subjects: a time-domain fNIRS pilot study. Neurophotonics, 2021, 8, 015006. | 1.7 | 8 |
| 118 | Range-Finding SPAD Array With Smart Laser-Spot Tracking and TDC Sharing for Background Suppression. IEEE Open Journal of the Solid-State Circuits Society, 2022, 2, 26-37. | 2.0 | 8 |
| 119 | Counting, timing, and tracking with a single-photon germanium detector. Optics Letters, 1996, 21, 59. | 1.7 | 7 |
| 120 | Monolithic dual-detector for photon-correlation spectroscopy with wide dynamic range and optical 70-ps resolution. IEEE Journal of Quantum Electronics, 2001, 37, 1588-1593. | 1.0 | 7 |
| 121 | A view on progress of silicon single-photon avalanche diodes and quenching circuits. , 2006, 6372, 123. | | 7 |
| 122 | Monolithic array of 32 SPAD pixels for single-photon imaging at high frame rates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 24-27. | 0.7 | 7 |
| 123 | SPAD arrays for parallel photon counting and timing. , 2010, , . | | 7 |
| 124 | Smart-pixel for 3D ranging imagers based on single-photon avalanche diode and time-to-digital converter. Proceedings of SPIE, 2011, , . | 0.8 | 7 |
| 125 | Indirect time-of-flight 3D ranging based on SPADs. Proceedings of SPIE, 2012, , . | 0.8 | 7 |
| 126 | MiSPiA: microelectronic single-photon 3D imaging arrays for low-light high-speed safety and security applications. , 2013, , . | | 7 |

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| 127 | Analog SiPM in planar CMOS technology. , 2014, , . | | 7 |
| 128 | High-throughput gated photon counter with two detection windows programmable down to 70 ps width. Review of Scientific Instruments, 2014, 85, 013107. | 0.6 | 7 |
| 129 | Eight-Channel 21 ps Precision <inline-formula> <tex-math notation="LaTeX">\$10~mu ext{s}\$ </tex-math></inline-formula> Range Time-to-Digital Converter Module. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 423-430. | 2.4 | 7 |
| 130 | Biometric Signals Estimation Using Single Photon Camera and Deep Learning. Sensors, 2020, 20, 6102. | 2.1 | 7 |
| 131 | Photon-efficient computational imaging with a single-photon camera. , 2016, , . | | 7 |
| 132 | <title>Avalanche photodiodes for near-infrared photon counting</title> . , 1995, 2388, 56. | | 6 |
| 133 | High-performance silicon single-photon avalanche diode array. Proceedings of SPIE, 2009, , . | 0.8 | 6 |
| 134 | Large-area CMOS SPADs with very low dark counting rate. Proceedings of SPIE, 2013, , . | 0.8 | 6 |
| 135 | Multispectral Depth-Resolved Fluorescence Lifetime Spectroscopy Using SPAD Array Detectors and Fiber Probes. Sensors, 2019, 19, 2678. | 2.1 | 6 |
| 136 | High Detection Rate Fast-Gated CMOS Single-Photon Avalanche Diode Module. IEEE Photonics Journal, 2020, 12, 1-12. | 1.0 | 6 |
| 137 | Multi-Channel SPAD Chip for Silicon Photonics With Multi-Photon Colncidence Detection. IEEE Journal of Selected Topics in Quantum Electronics, 2022, 28, 1-7. | 1.9 | 6 |
| 138 | Ultrafast single photon avalanche diodes without slow tails in the pulse response. IEEE Transactions on Electron Devices, 1993, 40, 2145. | 1.6 | 5 |
| 139 | Hot-carrier luminescence: comparison of different CMOS technologies. , 0, , . | | 5 |
| 140 | Implementation of TRE systems into Emission Microscopes. Microelectronics Reliability, 2004, 44, 1529-1534. | 0.9 | 5 |
| 141 | InGaAs/InP Single Photon Avalanche Diode Design and Characterization. Solid-State Device Research Conference, 2008 ESSDERC 2008 38th European, 2006, , . | 0.0 | 5 |
| 142 | Gated operation of InGaAs SPADs with active quenching and fast timing circuits. , 2006, 6372, 191. | | 5 |
| 143 | All-Silicon 1.55-μm High-Resolution Photon Counting and Timing. IEEE Photonics Technology Letters, 2008, 20, 1956-1958. | 1.3 | 5 |
| 144 | 100 kframe/s 8 bit monolithic single-photon imagers. , 2008, , . | | 5 |

100 kframe/s 8 bit monolithic single-photon imagers. , 2008, , . 144

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| 145 | Integrated simulator for single photon avalanche diodes. , 2011, , . | | 5 |
| 146 | 2D simulation for the impact of edge effects on the performance of planar InGaAs/InP SPADs. Proceedings of SPIE, 2012, , . | 0.8 | 5 |
| 147 | Dark Count Rate Dependence on Bias Voltage During Gate-OFF in InGaAs/InP Single-Photon Avalanche Diodes. IEEE Photonics Technology Letters, 2013, 25, 1832-1834. | 1.3 | 5 |
| 148 | 3D RGB Non-Line-Of-Sight single-pixel imaging. , 2019, , . | | 5 |
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| 152 | Modeling and Probing Hot-Carrier Luminescence From MOSFETs. IEEE Electron Device Letters, 2008, 29, 350-352. | 2.2 | 4 |
| 153 | InGaAs/InP SPADs for near-infrared applications: device operating conditions and dedicated electronics. Proceedings of SPIE, 2010, , . | 0.8 | 4 |
| 154 | Experimental characterization of afterpulsing and timing jitter of InGaAs/InP SPAD. Proceedings of SPIE, 2011, , . | 0.8 | 4 |
| 155 | Single-photon detectors for practical quantum cryptography. Proceedings of SPIE, 2012, , . | 0.8 | 4 |
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| 158 | <title>Single-photon avalanche detectors for low-light-level imaging</title> . , 1997, 3114, 333. | | 3 |
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| 163 | Low-power 20-meter 3D ranging SPAD camera based on continuous-wave indirect time-of-flight. , 2012, , | | 3 |
| 164 | Compact dual-wavelength system for time-resolved diffuse optical spectroscopy. , 2017, , . | | 3 |
| 165 | A 20 A Sub-Nanosecond Integrated CMOS Laser Diode Driver for High Repetition Rate SPAD-Based Direct Time-of-Flight Measurements. , 2018, , . | | 3 |
| 166 | High-sensitivity photodetectors with on-chip pinhole for laser scanning microscopy. IEEE Transactions on Electron Devices, 2000, 47, 1472-1476. | 1.6 | 2 |
| 167 | Spada: An Array of Spad Detectors For Astrophysical Applications. Experimental Astronomy, 2006, 19, 163-168. | 1.6 | 2 |
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| 170 | 3D ranging with a single-photon imaging array. , 2011, , . | | 2 |
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| 174 | SPADs and TDCs for photon-counting, timing and gated-imaging at 30 ps resolution and 60% efficiency. , 2018, , . | | 2 |
| 175 | LUMINESCENCE MEASUREMENTS FOR THE INVESTIGATION OF VLSI CIRCUITS DEFECTS. , 2004, , . | | 2 |
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