

Number	Authors	Title
1	Costantino Agnesi, Marco Avesani, Andrea Stanco, Paolo Villorresi and Giuseppe Vallone	POGNAC: an all-fiber self-compensating polarization modulator for QKD
2	Xiaoliang Wu, Joaquin Chung, Alexander Kolar, Eugene Wang, Tian Zhong, Rajkumar Kettimuthu and Martin Suchara	Photon-Level Simulation of Quantum Key Distribution with Picosecond Accuracy
3	Paolo Martelli, Marco Brunero, Paola Parolari, Francesca Rossi, Alberto Tosi and Mario Martinelli	Integration of a Cost-Effective QKD Implementation in WDM Optical Networks
4	Sylwia Kolenderska, Piotr Kolenderski and Frédérique Vanholsbeeck	Spectral Domain in Quantum Optical Coherence Tomography
5	Daniel Lum, Michael Mazurek, Alexander Mikhaylov, Kristen Parzuchowski, Sae Woo Nam, Marcus Cicerone, Ralph Jimenez, Thomas Gerrits, Martin Stevens and Charles Camp	Bounding the Survival-Depth of Time-Energy Entanglement Through Absorptive & Scattering Media for Entangled Two-Photon Absorption
6	Alessia Allevi, Stefano Olivares, Matteo G. A. Paris and Maria Bondani	Homodyne-like Tomographic reconstruction of Quantum States with Photon-Number-Resolving Detectors
7	Sarah Thomas, Joseph Munns, Michael Hynes, Thomas Hird, Patrick Ledingham, Dylan Saunders, Joshua Nunn, Benjamin Brecht and Ian Walmsley	Temporal Mode Manipulation using a Raman Quantum Memory
8	Paul Kwiat, Rebecca Holmes, Julia Spina, Michelle Victoria and Frances Wang	Quantum Seeing in the Dark: Testing the Limits of Human Vision
9	Ivan Dyakonov, Mikhail Saygin, Ilya Kondratjev, Sergei Mironov, Stanislav Straupe and Sergei Kulik	Designing linear-optical interferometers for quantum gate implementatio
10	Sang Min Lee, Seung-Woo Lee, Hyunseok Jeong and Hee Su Park	Quantum Teleportation between Multiple Senders and Receivers
11	James Grieve, Yicheng Shi, Hou Shun Poh, Christian Kurtsiefer and Alexander Ling	Broadband Nonlocal Dispersion Compensation In Buried Telecommunications Fiber
12	Hee Su Park, Hee Jung Lee, Jae Hyeong Youn and Kwang Yong Song	Characterization of a Multi-core Optical Fiber as a Carrier of Spatial Qudits of Single Photons
13	Jacob Davidson, Pascal Lefebvre, Jun Zhang, Daniel Oblak and Wolfgang Tittel	Improved Light-Matter Interaction in a Thulium Cavity Memory for Qubit Storage
14	Karolina Sedziak-Kacprowicz and Piotr Kolenderski	Qudit processing implemented in temporal modes of single photons
15	Mauro Buttafava, Michele Lacerenza, Marco Renna, Davide Contini, Alessandro Torricelli, Alberto Dalla Mora, Franco Zappa, Antonio Pifferi and Alberto Tosi	Portable system for Time-Resolved Near-Infrared Spectroscopy
16	Hiroya Seki, Yuta Uchihori, Satoru Efumi, Jun Ishihara, Kensuke Miyajima and Ryosuke Shimizu	Quantum interference of photon pairs from biexciton toward Fourier transform spectroscopy
17	Jakub Nedbal, Liisa Hirvonen, Norah Almutairi, Stephen Sturzenbaum and Klaus Suhling	TCSPEC-based light-sheet fluorescence lifetime microscopy for biological imaging
18	Dmitry Kalashnikov, Victor Leong, Jibo Dai, Alagappan Gandhi, Ting Hu, Valery Davydov, Viatcheslav Agafonov and Leonid Krivitskiy	Coupling of Emission from SiV at Si ₃ N ₄ Photonic Platform
19	Jae Park	State-dependent enhancement of cavity-cavity coupling rate via a 3-level atomic ensemble
20	Zheng-Ping Li, Xin Huang, Yuan Cao, Bin Wang, Yu-Huai Li, Weijie Jin, Chao Yu, Jun Zhang, Qiang Zhang, Cheng-Zhi Peng, Feihu Xu and Jian-Wei Pan	Single-photon computational 3D imaging at 45 km
21	Jan Henning Drewes, Jennifer Ruskowski and Werner Brockherde	CSPAD-based 3D flash LiDAR
22	Anant Gupta, Atul Ingle, Andreas Velten and Mohit Gupta	Single-Photon LiDAR in High Ambient Light
23	Gregor Taylor, Dmitry Morozov, Kleanthis Erotokritou, Nathan Gemmill and Robert Hadfield	Single photon LiDAR at 2.3μm with SNSPDs
24	Ricky Elwell, Justin Jeet, Galen O'Neil, Dileep Reddy, Christian Schneider, Eric Hudson and Sae Woo Nam	Using a superconducting detector in the to measure ²²⁹ Th nuclear clock transition
25	John Jeffers	Nonlocal Coherent Perfect Absorption
26	Chenglong You, Peter Bierhorst, Adriana Lita, Scott Glancy, Narayan Bhusal, Steven Kolthammer, Jonathan Dowling, Manny Knill, Sae Woo Nam, Richard Mirin, Omar Magana-Loaiza and Thomas Gerrits	Multiphoton quantum metrology without pre- and post-selected measurements
27	Robert Starkwood, Ke Guo, Christopher Chunnillal, Alastair Sinclair, Taofiq Paraiso, Thomas Roger, Mirko Sanzaro, Innocenzo De Marco, Zhiliang Yuan and Andrew Shields	Metrology of chip-scale QKD devices
28	Mikhail Saygin, Suren Fldjan, Ivan Dyakonov, Alexander Kalinkin, Stanislav Straupe and Sergei Kulik	Error tolerant design of universal multiport interferometers
29	Hristina Georgieva, Marco López, Helmuth Hofer, Beatrice Rodiek, Justus Christinck, Peter Schnauber, Arsenty Kaganskiy, Tobias Heindel, Sven Rodt, Stephan Reitzenstein and Stefan Kück	Traceable single-photon source based on an InGaAs quantum dot
30	Martin von Helversen, Jonas Böhm, Marco Schmidt, Manuel Gschrey, Jan-Hindrik Schulze, André Strittmatter, Sven Rodt, Jörn Beyer, Tobias Heindel and Stephan Reitzenstein	Quantum Metrology of Solid-State Single-Photon Sources using Photon-Number-Resolving Detectors
31	Angela Gamouras, Jeongwan Jin, Thomas Gerrits, Varun Verma, Dileep Reddy, Sae Woo Nam, Dan Dalacu and Robin Williams	Progress in Few-Photon Metrology at NRC Canada
32	Alessandro Restelli, Joshua Bienfang and Alan Migdall	Noise-to-signal as a method a characterize a single-photon detector's maximum useful count rate
33	Jeongwan Jin, Thomas Gerrits and Angela Gamouras	Establishment of a free-space single-photon detection efficiency calibration system at the National Research Council Canada
34	Ivo Straka, Jan Grygar, Josef Hloušek and Miroslav Ježek	Counting Statistics of Single-Photon Detectors
35	Joël Bleuse, Bruno Gayral and Jean-Michel Gérard	An optimal multi-detector configuration for photon-number resolving measurements
36	Donald Figer, Gregory Howland, Justin Gallagher and Valerie Fleischauer	Characterization of a Room Temperature Photon Number Resolving Detector for Quantum Information Science and Astrophysics
37	Dmitry Orlov, René Glazenberg and Emilie Kernen	MCP-PMT detectors with GHz Single-Photon Counting Capability
38	Alberto Gola, Paolo Organtini, Giovanni Paternoster, Fabio Acerbi, Alberto Mazzi, Giovanni Margutti and Roberto Bez	SiPM technologies for Large Volume Manufacturing
39	Giovanni Chesi, Alessia Allevi and Maria Bondani	Using Silicon photomultipliers to test nonclassicality of mesoscopic twin-beam states
40	Paolo Falferi	Status of the SIMP project: Towards the Single Microwave Photon Detection
41	Renato Federico, Vincenzo Sesta, Fabio Severini, Rudi Lussana, Federica Villa and Franco Zappa	40 × 10 SPAD Array for Laser Rangefinders with Region-Of-Interest Selection and Smart TDC Routing
42	Denis Rideau, Antonin Zimmer, Bastien Mamdy, Dominique Golanski and Helene Wehbe Alause	Strained SiGe- and Ge- based SPAD Performances Assessment: a Modeling Study.
43	Dragan Grubisic and Alex Komjati	SPAD ACTIVE QUENCHING AND PROTECTION CIRCUIT
44	Robin Essling, Helmuth Hofer, Sebastian Raupach, Hristina Georgieva, Beatrice Rodiek, Justus Christinck, Stefan Kück and Marco A. López O.	Calibration of fiber-coupled, gated InGaAs/InP single-photon detectors
45	Yan Liang, Qilai Fei, Kun Huang and Heping Zeng	High-speed photon-number-resolving detection with InGaAs/InP APD
46	Yanli Shi, Jun Zhang and Hongxia Zhu	High performance of InP/InGaAs APD detectors

47	Martin Wolff, Fabian Beutel, Wladislaw Hartmann, Matthias Häußler, Robin Stegmüller, Nicolai Walter, Max Tillmann, Michael Wahl, Tino Röhlicke, Andreas Bültner, Doreen Wernicke, Nicolas Perlot, Jasper Rödiger, Wolfram H. P. Pernice and Carsten Schuck	QuPAD – Waveguide Integrated Superconducting Nanowire Array for Ultra-Fast Parallelized Single-Photon Detection
48	Susanna Todaro, Varun Verma, Andrew Wilson, Richard Mirin, David Wineland, Sae Woo Nam, Dietrich Leibfried and Daniel Slichter	State Readout of a Trapped Ion Qubit Using a Trap-integrated Superconducting Nanowire Detector
49	Max Tillmann, Michael Wahl, Tino Röhlicke, Andreas Bültner, Doreen Wernicke, Martin Wolff, Matthias Häußler, Nicolai Walter, Robin Stegmüller, Fabian Beutel, Wolfram Pernice, Carsten Schuck and Nicolas Perlot	QuPAD – high bandwidth photon detection enabled by a massively parallelized system
50	Jeff Chiles, Sonia Buckley, Varun Verma, Adriana Lita, Jason Allmaras, Boris Korzh, Emma Wollman, Matt Shaw, Jeffrey Shainline, Richard Mirin and Sae Woo Nam	Micron-wide, photolithographically-patterned SNSPDs with saturated internal detection efficiency at telecommunications wavelengths
51	Misael Caloz, Boris Korzh, Edward Ramirez, Christian Schönenberger, Richard Warburton, Hugo Zbinden, Matthew Shaw and Félix Bussi�eres	Intrinsically-limited timing jitter in molybdenum silicide superconducting nanowire single-photon detectors
52	Matthias Häußler, Mikhail Mikhailov, Martin Wolff and Carsten Schuck	Waveguide-integrated SNSPDs from amorphous Molybdenum Silicide thin films
53	Joel Tasker, Jonathan Frazer, Giacomo Ferranti and Jonathan Matthews	Incorporating micro-electronics with silicon nano-photonics to realise high bandwidth homodyne detection.
54	Jan Philipp H�pker, Varun Verma, Thomas Gerrits, Adriana Lita, Harald Herrmann, Raimund Ricken, Victor Quiring, Richard Mirin, Sae Woo Nam, Christine Silberhorn and Tim Bartley	Characterizing integrated single photon detectors on lithium niobate waveguides
55	Eunjoo Lee, Sang Min Lee and Hee Su Park	Relative time multiplexing of heralded single photon sources using switchable multi-path fiber delay lines
56	Francesco Vedovato, Costantino Agnesi, Marco Tomasin, Marco Avesani, Jan-Ake Larsson, Giuseppe Vallone and Paolo Villoresi	First realization of genuine time-bin entanglement
57	Paulina S. Kuo, Varun B. Verma, Thomas Gerrits and Sae Woo Nam	Domain-engineered PPLN for generating polarization-entangled photon pairs
58	Bo Liu, Sebastian Philipp Neumann, Rupert Ursin and Thomas Scheidl	Modeling Quantum Key Distribution with Continuous-Wave-Pumped Polarization Entangled Photon Sources
59	Jamie Francis-Jones, Jasleen Lugani, Joelle Boutari and Ian Walmsley	High purity heralded single photons at telecommunications wavelengths using commercial birefringent optical fiber
60	Kristina Meier, Fumihiro Kaneda and Paul Kwiat	Development and characterization of a waveguide SPDC source of highly-nondegenerate polarization-entangled photon pairs
61	Konstantin Fehler, Anna Ovvyan, Nico Gruhler, Wolfram Pernice and Alexander Kubanek	Efficient Coupling of an Ensemble of NV- Center to the Resonance Mode of a High-Q, cross-bar Si ₃ N ₄ Photonic Crystal Cavity
62	Justus Christinck, Beatrice Rodiek, Marco L�pez, Hristina Georgieva, Helmuth Hofer and Stefan K�ck	The angular-dependent emission characteristics of NV-centers in nanodiamonds near dielectric interfaces
63	Igor Khramtsov and Dmitry Fedyanin	One photon per pulse emission from NV centers in diamond under electrical excitation at high repetition rates
64	Youying Rong, Zhiping Ju, Chengda Pan, Qiang Ma, Shikang Liu, Si Shen, Botao Wu and E Wu	Single silicon vacancy centers in diamond generated by femtosecond laser illumination
65	Jacopo Forneris, Sviatoslav Ditalia Tchernij, Paolo Traina, Ekaterina Moreva, Ivo Pietro Degiovanni, Tobias L�hmann, Tobias Herzig, S�bastien Pezzagna, Jan Meijer, Milko Jak�i�, Marco Genovese and Paolo Olivero	Fabrication of diamond-based quantum emitters ^[1] upon ion implantation
66	Paolo Traina, Ekaterina Moreva, Fabrizio Piacentini, Enrico Rebufello, Marco L�pez, Robert Kirkwood, Ivano Ruo-Berchera, Marco Gramegna, Giorgio Brida, Stefan K�ck, Christopher J. Chunnillall, Jacopo Forneris, Sviatislav Ditalia Tchernij, Federico Picollo, Paolo Olivero, Marco Genovese and Ivo P. Degiovanni	International joint pilot study on $g(2)$ measurement for single-photon sources in the visible and telecom spectral ranges
67	Dmitry Fedyanin, Igor Khramtsov and Andrey Vyshnevyy	Enhancing the brightness of room-temperature electrically driven single-photon sources using color centers in silicon carbide
68	Salahuddin Nur, Dominika Bogusz, Ross C. Schofield, Sebastien Boissier, Kyle D. Major, E. A. Hinds and Alex S. Clark	Coupling organic molecules to nanophotonic bullseye cavities
69	Alexander Pickston, Francesco Graffitti, Peter Barrow, Massimiliano Proietti, Dmytro Kundys, Joseph Ho, Agata Branczyk and Alessandro Fedrizzi	Pure Photon Generation From Domain Engineered Crystals