

# Jan PeÅina

## List of Publications by Year in descending order

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| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Quantum Statistics of Linear and Nonlinear Optical Phenomena. , 1991, , .  |     | 228       |
| 2  | Quantum Statistics of Linear and Nonlinear Optical Phenomena. , 1984, , .  |     | 207       |
| 3  | Direct measurement and reconstruction of nonclassical features of twin beams generated in spontaneous parametric down-conversion. Physical Review A, 2005, 71, .   | 1.0 | 81        |
| 4  | Multiphoton absorption cross section and virtual-state spectroscopy for the entangledn-photon state. Physical Review A, 1998, 57, 3972-3986.   | 1.0 | 65        |
| 5  | Higher-order nonclassicalities in a codirectional nonlinear optical coupler: Quantum entanglement, squeezing, and antibunching. Physical Review A, 2014, 90, .   | 1.0 | 64        |
| 6  | Photon-number distributions of twin beams generated in spontaneous parametric down-conversion and measured by an intensified CCD camera. Physical Review A, 2012, 85, .                                  | 1.0 | 61        |
| 7  | Statistical mixtures of states can be more quantum than their superpositions: Comparison of nonclassicality measures for single-qubit states. Physical Review A, 2015, 91, .                             | 1.0 | 61        |
| 8  | Dispersion in femtosecond entangled two-photon interference. Physical Review A, 1999, 59, 2359-2368.   | 1.0 | 56        |
| 9  | Entropic uncertainty in two two-level atoms interacting with a cavity field in presence of degenerate parametric amplifier. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 266. | 0.9 | 49        |
| 10 | Photon-number entangled states generated in Kerr media with optical parametric pumping. Physical Review A, 2011, 83, .   | 1.0 | 48        |
| 11 | Revealing Hidden Coherence in Partially Coherent Light. Physical Review Letters, 2015, 115, 220501.  | 2.9 | 48        |
| 12 | Quantum statistics of nonlinear optical couplers. Progress in Optics, 2000, , 361-419.   | 0.4 | 47        |
| 13 | Experimental multi-photon-resolving detector using a single avalanche photodiode. European Physical Journal D, 2004, 28, 149-154.  | 0.6 | 47        |
| 14 | Optimal two-qubit tomography based on local and global measurements: Maximal robustness against errors as described by condition numbers. Physical Review A, 2014, 90, .                                 | 1.0 | 44        |
| 15 | Two-photon blockade and photon-induced tunneling generated by squeezing. Physical Review A, 2019, 100, .   | 1.0 | 44        |
| 16 | Transverse coherence of photon pairs generated in spontaneous parametric down-conversion. Physical Review A, 2010, 81, .   | 1.0 | 40        |
| 17 | State reconstruction of a multimode twin beam using photodetection. Physical Review A, 2013, 87, .   | 1.0 | 40        |
| 18 | Einstein-Podolsky-Rosen steering and coherence in the family of entangled three-qubit states. Physical Review A, 2018, 97, .   | 1.0 | 40        |

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|----|--|-----|-----------|
| 19 | Multimode description of spontaneous parametric down-conversion. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, 246-252.  | 1.4 | 39        |
| 20 | Absolute detector calibration using twin beams. Optics Letters, 2012, 37, 2475.  | 1.7 | 38        |
| 21 | Optimal sub-Poissonian light generation from twin beams by photon-number resolving detectors. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 20.  | 0.9 | 38        |
| 22 | Stimulated Raman Scattering of Squeezed Light with Pump Depletion. Journal of Modern Optics, 1991, 38, 2137-2151.  | 0.6 | 35        |
| 23 | Properties of entangled photon pairs generated in one-dimensional nonlinear photonic-band-gap structures. Physical Review A, 2006, 73, .   | 1.0 | 34        |
| 24 | Nonclassical light at exceptional points of a quantum $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">\langle \text{mml:mi mathvariant="script">PT</mml:mi></mml:math>$ -symmetric two-mode system. Physical Review A, 2019, 100, . | 1.0 | 33        |
| 25 | Nonclassicality Invariant of General Two-Mode Gaussian States. Scientific Reports, 2016, 6, 26523.   | 1.6 | 31        |
| 26 | Higher-order sub-Poissonian-like nonclassical fields: Theoretical and experimental comparison. Physical Review A, 2017, 96, .  | 1.0 | 31        |
| 27 | Comparative study of nonclassicality, entanglement, and dimensionality of multimode noisy twin beams. Physical Review A, 2015, 91, .   | 1.0 | 29        |
| 28 | Non-image-forming polarization optical devices and Lorentz transformations " an analogy. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 181, 199-202.  | 0.9 | 28        |
| 29 | Nonclassicality and entanglement criteria for bipartite optical fields characterized by quadratic detectors. Physical Review A, 2017, 96, .  | 1.0 | 28        |
| 30 | Characterizing the nonclassicality of mesoscopic optical twin-beam states. Physical Review A, 2013, 88, .  | 1.0 | 27        |
| 31 | Quantum statistics and dynamics of nonlinear couplers. Journal of Modern Optics, 1996, 43, 1951-1971.  | 0.6 | 26        |
| 32 | Interplay of nonclassicality and entanglement of two-mode Gaussian fields generated in optical parametric processes. Physical Review A, 2016, 94, .  | 1.0 | 26        |
| 33 | Quantum cryptography using a photon source based on postselection from entangled two-photon states. Physical Review A, 2001, 64, .   | 1.0 | 24        |
| 34 | Sub-Poissonian-light generation by postselection from twin beams. Optics Express, 2013, 21, 19387.   | 1.7 | 24        |
| 35 | Testing of quantum phase in matter-wave optics. Physical Review A, 1999, 60, 473-479.  | 1.0 | 23        |
| 36 | Suitable Conditions for Sealing of Open Dentinal Tubules Using a Pulsed Nd:YAG Laser. Photomedicine and Laser Surgery, 2007, 25, 495-499.  | 2.1 | 23        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Experimental joint signal-idler quasidistributions and photon-number statistics for mesoscopic twin beams. <i>Physical Review A</i> , 2007, 76, .   | 1.0 | 23        |
| 38 | Absolute calibration of photon-number-resolving detectors with an analog output using twin beams. <i>Applied Physics Letters</i> , 2014, 104, .   | 1.5 | 23        |
| 39 | Effect of Kerr-like medium on a two-level atom in interaction with bimodal oscillators. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 1563-1577.                                       | 0.6 | 22        |
| 40 | Spatial properties of twin-beam correlations at low- to high-intensity transition. <i>Optics Express</i> , 2014, 22, 13374.   | 1.7 | 22        |
| 41 | Non-diffracting beams with controlled spatial coherence. <i>Journal of Modern Optics</i> , 2002, 49, 1673-1689.   | 0.6 | 20        |
| 42 | Properties of entangled photon pairs generated in periodically poled nonlinear crystals. <i>Physical Review A</i> , 2009, 80, .   | 1.0 | 20        |
| 43 | Coherence and dimensionality of intense spatio-spectral twin beams. <i>Physical Review A</i> , 2015, 92, .  | 1.0 | 20        |
| 44 | Linear and nonlinear quantum Zeno and anti-Zeno effects in a nonlinear optical coupler. <i>Physical Review A</i> , 2016, 93, .  | 1.0 | 20        |
| 45 | Approximate quantum statistical properties of a nonlinear optical coupler. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 328, 144-156.   | 0.9 | 19        |
| 46 | Simple direct measurement of nonclassical joint signal-idler photon-number statistics and the correlation area of twin photon beams. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005, 7, S572-S576. | 1.4 | 19        |
| 47 | Antisymmetric entangled two-photon states generated in nonlinear GaN <sup>AlN</sup> photonic-band-gap structures. <i>Physical Review A</i> , 2007, 75, .  | 1.0 | 19        |
| 48 | Quantum properties of counterpropagating two-photon states generated in a planar waveguide. <i>Physical Review A</i> , 2008, 77, .  | 1.0 | 19        |
| 49 | Substituting scheme for nonlinear couplers: A group approach. <i>Physical Review A</i> , 2000, 62, .  | 1.0 | 17        |
| 50 | Quantum statistical properties of the radiation field in spontaneous Raman and stimulated Raman processes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 1417-1427.                    | 0.6 | 17        |
| 51 | Photoionization electron spectra in a system interacting with a neighboring atom. <i>Physical Review A</i> , 2011, 83, .  | 1.0 | 17        |
| 52 | High spatial entanglement via chirped quasi-phase-matched optical parametric down-conversion. <i>Physical Review A</i> , 2012, 86, .  | 1.0 | 17        |
| 53 | Symbolic computation of photon statistics for higher harmonics generation. <i>Optics Communications</i> , 1992, 92, 99-104.   | 1.0 | 16        |
| 54 | On the equivalence of some projection operator techniques. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1995, 214, 309-318.   | 1.2 | 16        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Multimode description of stimulated parametric down-conversion. Optics Communications, 2006, 265, 632-641.   | 1.0 | 16        |
| 56 | Nonclassicality in Raman scattering: Quantum entanglement, squeezing of vacuum fluctuations, sub-shot noise and joint photonâ€™ phonon number and integrated-intensity distributions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2692-2701. | 0.9 | 16        |
| 57 | Spin-VCSELs with Local Optical Anisotropies: Toward Terahertz Polarization Modulation. Physical Review Applied, 2021, 15, .  | 1.5 | 16        |
| 58 | Experimental detection of nonclassicality of single-mode fields via intensity moments. Optics Express, 2016, 24, 29496.  | 1.7 | 15        |
| 59 | Simultaneous observation of higher-order non-classicalities based on experimental photocount moments and probabilities. Scientific Reports, 2019, 9, 8961.   | 1.6 | 15        |
| 60 | Spatial, spectral, and temporal coherence of ultraintense twin beams. Physical Review A, 2016, 93, .   | 1.0 | 14        |
| 61 | Internal dynamics of intense twin beams and their coherence. Scientific Reports, 2016, 6, 22320.   | 1.6 | 14        |
| 62 | Nonclassicality and entanglement criteria for bipartite optical fields characterized by quadratic detectors. II. Criteria based on probabilities. Physical Review A, 2020, 102, .  | 1.0 | 14        |
| 63 | Surface Spontaneous Parametric Down-Conversion. Physical Review Letters, 2009, 103, 063902.  | 2.9 | 13        |
| 64 | Joint probability distributions and entanglement in optical parametric processes. Optics Communications, 2011, 284, 4941-4950.   | 1.0 | 13        |
| 65 | Lower- and higher-order nonclassical features in non-degenerate hyper-Raman processes. Optics Communications, 2019, 444, 111-119.  | 1.0 | 13        |
| 66 | Quantum dynamics and statistics of two coupled down-conversion processes. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 726-734.   | 1.4 | 12        |
| 67 | Nonclassical-light generation in a photonic-band-gap nonlinear planar waveguide. Physical Review A, 2004, 70, .  | 1.0 | 12        |
| 68 | Sealing of open dentinal tubules by laser irradiation: AFM and SEM observations of dentine surfaces. Journal of Molecular Recognition, 2007, 20, 476-482.  | 1.1 | 12        |
| 69 | Photon-pair generation in random nonlinear layered structures. Physical Review A, 2009, 80, .  | 1.0 | 12        |
| 70 | Two-photon absorption spectroscopy using intense phase-chirped entangled beams. Chemical Physics, 2018, 510, 54-59.  | 0.9 | 12        |
| 71 | Sub-Poissonian behaviour in the second harmonic generation. Journal of Optics B: Quantum and Semiclassical Optics, 1999, 1, 529-533.   | 1.4 | 11        |
| 72 | Intense ultra-broadband down-conversion from randomly poled nonlinear crystals. Optics Express, 2010, 18, 27130.   | 1.7 | 11        |

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|----|--|-----|-----------|
| 73 | Spatial and spectral properties of fields generated by pulsed second-harmonic generation in a periodically poled potassium-titanyl-phosphate waveguide. <i>Physical Review A</i> , 2013, 87, . | 1.0 | 11        |
| 74 | Coherence and mode decomposition of weak twin beams. <i>Physica Scripta</i> , 2015, 90, 074058.  | 1.2 | 11        |
| 75 | Chaos-assisted light squeezing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 231, 373-378.   | 0.9 | 10        |
| 76 | Emission of photon pairs at discontinuities of nonlinearity in spontaneous parametric down-conversion. <i>Physical Review A</i> , 2009, 80, .  | 1.0 | 10        |
| 77 | Sub-shot noise photon-number correlation in stimulated and spontaneous Raman processes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 105503.                 | 0.6 | 10        |
| 78 | Photoelectron spectra in an autoionization system interacting with a neighboring atom. <i>Physical Review A</i> , 2011, 83, .  | 1.0 | 10        |
| 79 | Coherent light in intense spatio-spectral twin beams. <i>Physical Review A</i> , 2016, 93, .   | 1.0 | 10        |
| 80 | Quantum statistical properties of optical phase conjugation. <i>Optics Communications</i> , 1991, 85, 261-266.   | 1.0 | 9         |
| 81 | Quantum statistics of two parametric processes with aligned idler beams. <i>Optics Communications</i> , 1996, 132, 549-556.  | 1.0 | 9         |
| 82 | Nonclassical light in symmetric nonlinear directional coupler. <i>European Physical Journal D</i> , 1997, 47, 629-636.   | 0.4 | 9         |
| 83 | Light squeezing at the transition to quantum chaos. <i>Physical Review E</i> , 1998, 57, 4023-4034.  | 0.8 | 9         |
| 84 | Statistical properties of multiphoton time-dependent three-boson coupled oscillators. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 1146.                    | 0.9 | 9         |
| 85 | Joint probability distributions of stimulated parametric down-conversion for controllable nonclassical fluctuations. <i>Optics Communications</i> , 2008, 281, 4705-4711.                      | 1.0 | 9         |
| 86 | Spatial properties of entangled photon pairs generated in nonlinear layered structures. <i>Physical Review A</i> , 2011, 84, .   | 1.0 | 9         |
| 87 | Absolute spectral calibration of an intensified CCD camera using twin beams. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, B1.                               | 0.9 | 9         |
| 88 | Analytical model of surface second-harmonic generation. <i>Scientific Reports</i> , 2019, 9, 4679.   | 1.6 | 9         |
| 89 | Experimental Quantification of the Entanglement of Noisy Twin Beams. <i>Physical Review Applied</i> , 2020, 14, .  | 1.5 | 9         |
| 90 | Quantum Statistics of the Optical Parametric Process for Arbitrary Initial States. <i>Journal of Modern Optics</i> , 1993, 40, 2105-2123.  | 0.6 | 8         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Entanglement in optical parametric down-conversion with losses and noise. Optics Communications, 2009, 282, 3918-3923.  | 1.0 | 8         |
| 92  | Spatial and spectral coherence in propagating high-intensity twin beams. Scientific Reports, 2015, 5, 14365.  | 1.6 | 8         |
| 93  | Nonclassicality in off-resonant Raman process. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2011-2020.                     | 0.9 | 8         |
| 94  | Forward and Backward Four-wave Mixing of Non-classical Light with Pump Depletion. Journal of Modern Optics, 1992, 39, 2405-2419.                              | 0.6 | 7         |
| 95  | Quantum Statistics of Stimulated Raman and Hyper-Raman Scattering of Squeezed Light with Pump Depletion. Journal of Modern Optics, 1992, 39, 1029-1041.       | 0.6 | 7         |
| 96  | Phase properties of the asymmetric nonlinear coupler. Journal of Modern Optics, 1998, 45, 2269-2279.  | 0.6 | 7         |
| 97  | Properties of pulsed entangled two-photon fields. European Physical Journal D, 1999, 7, 235-242.  | 0.6 | 7         |
| 98  | Random nonlinear layered structures as sources of photon pairs for quantum-information processing. Journal of Russian Laser Research, 2009, 30, 508.          | 0.3 | 7         |
| 99  | Randomly poled nonlinear crystals as a source of photon pairs. Physical Review A, 2011, 83, .   | 1.0 | 7         |
| 100 | Fano zeros in photoelectron spectra of an autoionization system interacting with a neighboring atom. Optics Express, 2011, 19, 17133.                         | 1.7 | 7         |
| 101 | Quantum Behavior of a PT-Symmetric Two-Mode System with Cross-Kerr Nonlinearity. Symmetry, 2019, 11, 1020.  | 1.1 | 7         |
| 102 | Influence of pump-field scattering on nonclassical-light generation in a photonic-band-gap nonlinear planar waveguide. Physical Review A, 2005, 71, .         | 1.0 | 6         |
| 103 | Squeezed-light generation in a nonlinear planar waveguide with a periodic corrugation. Physical Review A, 2007, 76, .   | 1.0 | 6         |
| 104 | Pulsed-squeezed-light generation in a waveguide with second-subharmonic generation and periodic corrugation. Physical Review A, 2013, 87, .                   | 1.0 | 6         |
| 105 | Spatio-spectral characterization of twin-beam states of light for quantum state engineering. International Journal of Quantum Information, 2014, 12, 1560027. | 0.6 | 6         |
| 106 | Experimental identification of non-classicality of noisy twin beams and other related two-mode states. Scientific Reports, 2018, 8, 1460.                     | 1.6 | 6         |
| 107 | Mixedness, Coherence and Entanglement in a Family of Three-Qubit States. Entropy, 2022, 24, 324.  | 1.1 | 6         |
| 108 | Raman and Brillouin couplers with losses and phase mismatch. Journal of Modern Optics, 1999, 46, 1255-1276.   | 0.6 | 5         |

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|-----|--|-----|-----------|
| 109 | Two-mode squeezing in Raman couplers. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2000, 2, 10-20.   | 1.4 | 5         |
| 110 | Experimental verification of energy correlations in entangled photon pairs. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 319, 251-262.                         | 0.9 | 5         |
| 111 | Quantum Zeno effect in cascaded parametric down-conversion with losses. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 325, 16-20.                               | 0.9 | 5         |
| 112 | Joint distributions of multimode stimulated parametric down-conversion and controllable nonclassical effects. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 085501. | 0.6 | 5         |
| 113 | Squeezing and photon antibunching in second harmonic generation: an analytical approach. <i>Journal of Modern Optics</i> , 2012, 59, 555-564.  | 0.6 | 5         |
| 114 | Entanglement between an autoionizing system and a neighboring atom. <i>Physical Review A</i> , 2012, 85, .   | 1.0 | 5         |
| 115 | Generation of sub-Poissonian non-Gaussian states from multimode twin beams by photon-number-resolving detectors. <i>International Journal of Quantum Information</i> , 2014, 12, 1461017.            | 0.6 | 5         |
| 116 | Waves in spatio-spectral and -temporal coherence of evolving ultra-intense twin beams. <i>Scientific Reports</i> , 2019, 9, 4256.  | 1.6 | 5         |
| 117 | Interplay between quantum Zeno and anti-Zeno effects in a nondegenerate hyper-Raman nonlinear optical coupler. <i>Physical Review A</i> , 2021, 103, .   | 1.0 | 5         |
| 118 | Ideal pairing of the Stokes and anti-Stokes photons in the Raman process. <i>Physical Review A</i> , 2021, 103, .  | 1.0 | 5         |
| 119 | Quantum statistics and dynamics of nonlinear couplers. , 0, .  |     | 5         |
| 120 | Quantum statistical properties of superposition of squeezed and displaced states with thermal noise. , 0, .  |     | 5         |
| 121 | Non-classicality of optical fields as observed in photocount and photon-number distributions. <i>Optics Express</i> , 2020, 28, 32620.   | 1.7 | 5         |
| 122 | Electromagnetic concept of phase conjugation. <i>Journal of Modern Optics</i> , 1998, 45, 425-436.   | 0.6 | 4         |
| 123 | Codirectional simulation of contradirectional propagation. <i>Journal of Modern Optics</i> , 1999, 46, 801-811.  | 0.6 | 4         |
| 124 | Quantum statistical properties of superposition of squeezed and displaced states with thermal noise. <i>Journal of Modern Optics</i> , 1999, 46, 1621-1639.  | 0.6 | 4         |
| 125 | Characterization of a resonator using entangled two-photon states. <i>Optics Communications</i> , 2003, 221, 153-161.  | 1.0 | 4         |
| 126 | Measurement-based tailoring of Anderson localization of partially coherent light. <i>Physical Review A</i> , 2014, 89, .   | 1.0 | 4         |



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|-----|---|-----|-----------|
| 127 | Entanglement and nonclassicality in four-mode Gaussian states generated via parametric down-conversion and frequency up-conversion. Scientific Reports, 2016, 6, 33802.                           | 1.6 | 4         |
| 128 | Kerr-like behaviour of second harmonic generation in the far-off resonant regime. Optics Communications, 2018, 414, 146-153.  | 1.0 | 4         |
| 129 | Intense spectrally broad-band twin beams from poled nonlinear crystals. Scientific Reports, 2018, 8, 15350.   | 1.6 | 4         |
| 130 | Two-beam light with simultaneous anticorrelations in photon-number fluctuations and sub-Poissonian statistics. Physical Review A, 2021, 104, .  | 1.0 | 4         |
| 131 | Compound Twin Beams Without the Need of Genuine Photon-Number-Resolving Detection. Physical Review Applied, 2021, 16, .   | 1.5 | 4         |
| 132 | Time-Dependent Laser Cavity Perturbation Theory: Exploring Future Nano-Structured Photonic Devices in Semi-Analytic way. Journal of Lightwave Technology, 2022, 40, 4735-4745.                    | 2.7 | 4         |
| 133 | Phase properties of two-mode gaussian light fields with application to Raman scattering. Journal of Modern Optics, 2000, 47, 1399-1417.   | 0.6 | 3         |
| 134 | Quantum Nonlocality of Photon Pairs in Interference in a Mach-Zehnder Interferometer. European Physical Journal D, 2003, 53, 335-349.   | 0.4 | 3         |
| 135 | Quantum state propagation in linear photonic bandgap structures. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 110-114.   | 1.4 | 3         |
| 136 | Joint probability distributions for optical parametric down-conversion. Journal of the European Optical Society-Rapid Publications, 2006, 1, .  | 0.9 | 3         |
| 137 | Advanced Neutron Imaging and Sensing. Advances in Imaging and Electron Physics, 2006, 142, 53-157.  | 0.1 | 3         |
| 138 | Quantum statistics of optical parametric processes with squeezed reservoirs. Optics Communications, 2013, 308, 274-281.   | 1.0 | 3         |
| 139 | Higher-order stochastic quasi-phase-matching in spontaneous parametric down-conversion. Optics Communications, 2013, 306, 113-116.  | 1.0 | 3         |
| 140 | Electromagnetically induced transparency for a double Fano-profile system. European Physical Journal D, 2014, 68, 1.  | 0.6 | 3         |
| 141 | Joint photon and wave statistics in nonlinear optical couplers. Optics Communications, 2014, 326, 10-19.  | 1.0 | 3         |
| 142 | Long-time joint spectra and entanglement of two photoelectrons originating in interacting auto-ionization systems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 115007. | 0.6 | 3         |
| 143 | Retrieving the covariance matrix of an unknown two-mode Gaussian state by means of a reference twin beam. Optics Communications, 2016, 375, 29-33.  | 1.0 | 3         |
| 144 | Two-beam light with $\hat{a}^{\text{TM}}$ checked-pattern $\hat{a}^{\text{TM}}$ photon-number distributions. Optics Express, 2021, 29, 29704.   | 1.7 | 3         |

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|-----|--|-----|-----------|
| 145 | Nonclassicality criteria for $N$ -dimensional optical fields detected by quadratic detectors. <i>Physical Review A</i> , 2022, 105, .  | 1.0 | 3         |
| 146 | Dynamics of excitations in molecular condensates under the influence of an ultrashort pulse. <i>Journal of Physics A</i> , 1997, 30, 8105-8117.  | 1.6 | 2         |
| 147 | Interplay of creation, propagation, and relaxation of an excitation in a dimer. <i>Chemical Physics</i> , 1998, 236, 157-179.  | 0.9 | 2         |
| 148 | The $1/N$ -expansion, Quantum-Classical Correspondence and Nonclassical States Generation in Dissipative Higher-Order Anharmonic Oscillators. <i>Physica Scripta</i> , 2000, 61, 7-16. | 1.2 | 2         |
| 149 | Experimental Tests of Energy and Time Entanglement. <i>European Physical Journal A</i> , 2005, 23, 143-150.  | 0.2 | 2         |
| 150 | Effects of pump depletion on spatial and spectral properties of parametric down-conversion. , 2015, , .  |     | 2         |
| 151 | Noise Reduction in Photon Counting by Exploiting Spatial Correlations. <i>Physical Review Applied</i> , 2017, 8, .   | 1.5 | 2         |
| 152 | Reconstruction of Joint Photon-Number Distributions of Twin Beams Incorporating Spatial Noise Reduction. <i>Physical Review Applied</i> , 2018, 10, .                                  | 1.5 | 2         |
| 153 | Quasidistribution of phases. <i>Optics Communications</i> , 2019, 437, 373-376.  | 1.0 | 2         |
| 154 | Phase properties of the asymmetric nonlinear coupler. , 0, .   |     | 2         |
| 155 | Raman and Brillouin couplers with losses and phase mismatch. , 0, .  |     | 2         |
| 156 | Vectorial electromagnetic theory of degenerate four-wave mixing in isotropic Kerr-like media. <i>Journal of Optics</i> , 1998, 7, 1043-1052.   | 0.5 | 1         |
| 157 | Sub-poissonian light in third-harmonic generation: Quantum predictions via classical trajectories. <i>European Physical Journal D</i> , 2000, 50, 717-726.                             | 0.4 | 1         |
| 158 | Nonlinear Phenomena in Quantum Optics. , 0, , 491-601.   |     | 1         |
| 159 | Photon Statistics of Nonclassical Fields. <i>Advances in Chemical Physics</i> , 2007, , 405-459.   | 0.3 | 1         |
| 160 | Spontaneous Parametric Down-Conversion in Nonlinear Layered Structures. <i>Progress in Optics</i> , 2014, 59, 89-158.  | 0.4 | 1         |
| 161 | Evolution of spatio-spectral coherence properties of twin beam states in the high-gain regime. , 2015, , .   |     | 1         |
| 162 | Waves in intensity coherence of evolving intense twin beams. <i>Physical Review A</i> , 2020, 101, .   | 1.0 | 1         |

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|-----|--|-----|-----------|
| 163 | Polarization dynamics of grating-based spin-lasers. , 2022, , .  |     | 1         |
| 164 | Dynamics of excitations in molecular condensates. European Physical Journal D, 1999, 49, 1027-1037.  | 0.4 | 0         |
| 165 | <title>Treatment of dentinal tubules by Nd:YAG laser</title>. , 2005, , .  |     | 0         |
| 166 | <title>Photon statistics and spatial properties of photon pairs generated by spontaneous parametric down-conversion</title>. , 2005, 5945, 594501. |     | 0         |
| 167 | <title>Nonclassical-light generation in a photonic-band-gap nonlinear planar waveguide</title>. , 2005, , .  |     | 0         |
| 168 | <title>Generation of the Schrodinger-cat states in the codirectional Kerr nonlinear coupler</title>. , 2005, 5945, 28.                             |     | 0         |
| 169 | Photocount measurements as a tool for investigation of non-classical properties of twin beams. , 2008, , .   |     | 0         |
| 170 | Angular uncertainty of momentum correlations in parametric fluorescence. Journal of Russian Laser Research, 2009, 30, 540.                         | 0.3 | 0         |
| 171 | Generation of entangled photon pairs in periodically poled nonlinear crystals. , 2009, , .   |     | 0         |
| 172 | Correlations in far field of photons emitted by parametric fluorescence. , 2010, , .   |     | 0         |
| 173 | Intense ultra-broadband down-conversion from randomly poled nonlinear crystals. , 2011, , .  |     | 0         |
| 174 | Generation of squeezed states by parametric fluorescence. , 2012, , .  |     | 0         |
| 175 | Spatial and spectral properties of second harmonic generation in a periodically poled KTP waveguide. , 2012, , .                                   |     | 0         |
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