Morgan Mitchell

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | SU(2)-in-SU(1,1) Nested Interferometer for High Sensitivity, Loss-Tolerant Quantum Metrology. Physical Review Letters, 2022, 128, 033601. | 2.9 | 21 |
| 2 | Single-domain Bose condensate magnetometer achieves energy resolution per bandwidth below â"• Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 5 |
| 3 | Improving Short-Term Stability in Optical Lattice Clocks by Quantum Nondemolition Measurement. Physical Review Letters, 2022, 128, 153201. | 2.9 | 5 |
| 4 | Miniature Biplanar Coils for Alkali-Metal-Vapor Magnetometry. Physical Review Applied, 2022, 18, . | 1.5 | 11 |
| 5 | Laser-written vapor cells for chip-scale atomic sensing and spectroscopy. Optics Express, 2022, 30, 27149. | 1.7 | 7 |
| 6 | Criticality-enhanced quantum sensing in ferromagnetic Bose-Einstein condensates: Role of readout measurement and detection noise. Physical Review A, 2021, 103, . | 1.0 | 13 |
| 7 | Autoheterodyne Characterization of Narrow-Band Photon Pairs. Physical Review Letters, 2021, 127, 043601. | 2.9 | 5 |
| 8 | Unconventional quantum correlations of light emitted by a single atom in free space. Physical Review A, 2021, 104, . | 1.0 | 1 |
| 9 | Device-independent randomness expansion with entangled photons. Nature Physics, 2021, 17, 452-456. | 6.5 | 39 |
| 10 | Squeezed-Light Enhancement and Backaction Evasion in a High Sensitivity Optically Pumped Magnetometer. Physical Review Letters, 2021, 127, 193601. | 2.9 | 22 |
| 11 | Scale-invariant spin dynamics and the quantum limits of field sensing. New Journal of Physics, 2020, 22, 053041. | 1.2 | 7 |
| 12 | Measurement-induced, spatially-extended entanglement in a hot, strongly-interacting atomic system. Nature Communications, 2020, 11, 2415. | 5.8 | 48 |
| 13 | Experimental Low-Latency Device-Independent Quantum Randomness. Physical Review Letters, 2020, 124, 010505. | 2.9 | 31 |
| 14 | <i>Colloquium</i> : Quantum limits to the energy resolution of magnetic field sensors. Reviews of Modern Physics, 2020, 92, . | 16.4 | 53 |
| 15 | Bose-Einstein Condensate Comagnetometer. Physical Review Letters, 2020, 124, 170401. | 2.9 | 11 |
| 16 | Loophole-Free Test of Einstein-Podolsky-Rosen Steering with One Bit of Faster-than-Light Communication. , 2020, , . | | 0 |
| 17 | Interferometric measurement of interhyperfine scattering lengths in Rb87. Physical Review A, 2019, 100, | 1.0 | 3 |
| 18 | Experimental measurement-dependent local Bell test with human free will Physical Review A 2019 99 | 10 | 2 |

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Maltese cross coupling to individual cold atoms in free space. Optics Express, 2019, 27, 31042. | 1.7 | 11 |
| 20 | Narrowband photon pairs with independent frequency tuning for quantum light-matter interactions. Optics Express, 2019, 27, 38463. | 1.7 | 5 |
| 21 | Entanglement and extreme planar spin squeezing. Physical Review A, 2018, 97, . | 1.0 | 16 |
| 22 | Signal Tracking Beyond the Time Resolution of an Atomic Sensor by Kalman Filtering. Physical Review Letters, 2018, 120, 040503. | 2.9 | 34 |
| 23 | Quantum-enhanced measurements without entanglement. Reviews of Modern Physics, 2018, 90, . | 16.4 | 257 |
| 24 | Multi-second magnetic coherence in a single domain spinor Bose–Einstein condensate. New Journal of Physics, 2018, 20, 053008. | 1.2 | 15 |
| 25 | Atom-resonant squeezed light from a tunable monolithic ppRKTP parametric amplifier. Optics Letters, 2018, 43, 643. | 1.7 | 5 |
| 26 | Challenging local realism with human choices. Nature, 2018, 557, 212-216. | 13.7 | 136 |
| 27 | Interferometric photodetection in silicon photonics for phase diffusion quantum entropy sources. Optics Express, 2018, 26, 31957. | 1.7 | 15 |
| 28 | Integrated Quantum Entropy Sources. , 2018, , . | | 0 |
| 29 | Simultaneous tracking of spin angle and amplitude beyond classical limits. Nature, 2017, 543, 525-528. | 13.7 | 59 |
| 30 | Entanglement-Enhanced Radio-Frequency Field Detection and Waveform Sensing. Physical Review Letters, 2017, 119, 043603. | 2.9 | 15 |
| 31 | Randomness in quantum mechanics: philosophy, physics and technology. Reports on Progress in Physics, 2017, 80, 124001. | 8.1 | 72 |
| 32 | Entanglement-Enhanced Phase Estimation without Prior Phase Information. Physical Review Letters, 2017, 118, 233603. | 2.9 | 11 |
| 33 | Sensitivity, quantum limits, and quantum enhancement of noise spectroscopies. Physical Review A, 2017, 95, . | 1.0 | 17 |
| 34 | Number-unconstrained quantum sensing. Quantum Science and Technology, 2017, 2, 044005. | 2.6 | 8 |
| 35 | Fully-resonant, tunable, monolithic frequency conversion as a coherent UVA source. Optics Express, 2017, 25, 1142. | 1.7 | 8 |
| 36 | Floquet theory for atomic light-shift engineering with near-resonant polychromatic fields. Optics Express, 2017, 25, 32550. | 1.7 | 8 |

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|----|--|-----|-----------|
| 37 | Self-tuning optical resonator. Optics Letters, 2017, 42, 5298. | 1.7 | 15 |
| 38 | A significant-loophole-free test of Bell's theorem with entangled photons. , 2017, , . | | 0 |
| 39 | Quantum entropy source on an InP photonic integrated circuit for random number generation. Optica, 2016, 3, 989. | 4.8 | 84 |
| 40 | Real-time shot-noise-limited differential photodetection for atomic quantum control. Optics Letters, 2016, 41, 2946. | 1.7 | 7 |
| 41 | Requirements for a loophole-free photonic Bell test using imperfect setting generators. Physical Review A, 2016, 93, . | 1.0 | 52 |
| 42 | Squeezed-light spin noise spectroscopy. Physical Review A, 2016, 93, . | 1.0 | 50 |
| 43 | From the first loophole-free Bell test to a Quantum Internet. , 2016, , . | | 0 |
| 44 | A strong loophole-free test of local realism. , 2016, , . | | 1 |
| 45 | Strong Loophole-Free Test of Local Realism. Physical Review Letters, 2015, 115, 250402. | 2.9 | 910 |
| 46 | Generation of Fresh and Pure Random Numbers for Loophole-Free Bell Tests. Physical Review Letters, 2015, 115, 250403. | 2.9 | 88 |
| 47 | Quantum Nondemolition Measurement Enables Macroscopic Leggett-Garg Tests. Physical Review Letters, 2015, 115, 200403. | 2.9 | 38 |
| 48 | Long-term laser frequency stabilization using fiber interferometers. Review of Scientific Instruments, 2015, 86, 073104. | 0.6 | 9 |
| 49 | Spontaneous \$mathcal{PT}\$ symmetry breaking of a ferromagnetic superfluid in a gradient field. Europhysics Letters, 2015, 111, 66001. | 0.7 | 3 |
| 50 | Passive Decoy-State Quantum Key Distribution with Coherent Light. Entropy, 2015, 17, 4064-4082. | 1.1 | 5 |
| 51 | Absolute frequency references at 1529 and 1560  nm using modulation transfer spectroscopy. Optics Letters, 2015, 40, 4731. | 1.7 | 17 |
| 52 | Significant-Loophole-Free Test of Bell's Theorem with Entangled Photons. Physical Review Letters, 2015, 115, 250401. | 2.9 | 932 |
| 53 | Strong experimental guarantees in ultrafast quantum random number generation. Physical Review A, 2015, 91, . | 1.0 | 36 |
| 54 | Macroscopic Quantum State Analyzed Particle by Particle. Physical Review Letters, 2015, 114, 120402. | 2.9 | 9 |

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|----|---|------|-----------|
| 55 | Loophole-free Bell inequality violation using electron spins separated by 1.3 kilometres. Nature, 2015, 526, 682-686. | 13.7 | 1,762 |
| 56 | Generation, Characterization and Use of Atom-Resonant Indistinguishable Photon Pairs. Nano-optics and Nanophotonics, 2015, , 183-213. | 0.2 | 0 |
| 57 | Extreme spin squeezing for photons. New Journal of Physics, 2014, 16, 073027. | 1.2 | 7 |
| 58 | Theory of high gain cavity-enhanced spontaneous parametric down-conversion. Physical Review A, 2014, 90, . | 1.0 | 4 |
| 59 | Shot-noise-limited magnetometer with sub-picotesla sensitivity at room temperature. Review of Scientific Instruments, 2014, 85, 113108. | 0.6 | 36 |
| 60 | Ultra-fast quantum randomness generation by accelerated phase diffusion in a pulsed laser diode. Optics Express, 2014, 22, 1645. | 1.7 | 114 |
| 61 | Optimal signal recovery for pulsed balanced detection. Physical Review A, 2014, 90, . | 1.0 | 3 |
| 62 | Generation of Macroscopic Singlet States in a Cold Atomic Ensemble. Physical Review Letters, 2014, 113, 093601. | 2.9 | 55 |
| 63 | Atomic filtering for hybrid continuous-variable/discrete-variable quantum optics. Optics Express, 2014, 22, 25307. | 1.7 | 21 |
| 64 | Interferometric Measurement of the Biphoton Wave Function. Physical Review Letters, 2014, 113, 183602. | 2.9 | 28 |
| 65 | Ultrasensitive Atomic Spin Measurements with a Nonlinear Interferometer. Physical Review X, 2014, 4, . | 2.8 | 25 |
| 66 | Ultra-sensitive atomic spin measurements with a nonlinear interferometer. , 2014, , . | | 0 |
| 67 | Generation of planar squeezed states in atomic ensembles. , 2014, , . | | 0 |
| 68 | Ultrafast Quantum Random Number Generation Using Off-the-shelf Components. , 2014, , . | | 0 |
| 69 | Spin cooling via incoherent feedback in an ensemble of cold 87Rb atoms. , 2014, , . | | Ο |
| 70 | Certified quantum non-demolition measurement of atomic spins. , 2014, , . | | 0 |
| 71 | High-purity atom resonant pairs of indistinguishable photons via filtered down-conversion. , 2014, , . | | 0 |
| 72 | Simulation of non-Abelian gauge theories with optical lattices. Nature Communications, 2013, 4, 2615. | 5.8 | 165 |

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|----|--|------|-----------|
| 73 | Feedback Cooling of an Atomic Spin Ensemble. Physical Review Letters, 2013, 111, 103601. | 2.9 | 30 |
| 74 | Optical Spin Squeezing: Bright Beams as High-Flux Entangled Photon Sources. Physical Review Letters, 2013, 111, 143601. | 2.9 | 10 |
| 75 | Entanglement-enhanced probing of a delicate material system. Nature Photonics, 2013, 7, 28-32. | 15.6 | 132 |
| 76 | Quantum control of spin correlations in ultracold lattice gases. Physical Review A, 2013, 87, . | 1.0 | 30 |
| 77 | Certified quantum non-demolition measurement of a macroscopic material system. Nature Photonics, 2013, 7, 517-520. | 15.6 | 42 |
| 78 | Phase-stable source of polarization-entangled photons in a linear double-pass configuration. Optics Express, 2013, 21, 11943. | 1.7 | 37 |
| 79 | Planar squeezing by quantum non-demolition measurement in cold atomic ensembles. New Journal of Physics, 2013, 15, 103031. | 1.2 | 24 |
| 80 | Macroscopic singlet states for gradient magnetometry. Physical Review A, 2013, 88, . | 1.0 | 42 |
| 81 | Fast and non-destructive vector field magnetometry with cold atomic ensembles. , 2013, , . | | 0 |
| 82 | A continuous source of cold spin-polarized cold atoms. , 2013, , . | | 0 |
| 83 | Real-time vector field tracking with a cold-atom magnetometer. Applied Physics Letters, 2013, 102, 173504. | 1.5 | 48 |
| 84 | Entanglement-enhanced probing of a delicate material system. , 2013, , . | | 1 |
| 85 | Simultaneous observation of super-Heisenberg scaling and spin squeezing in a nonlinear measurement of atomic spins. , 2013, , . | | 0 |
| 86 | Ultra-bright source of polarization-entangled photons in a linear double-pass configuration. , 2013, , . | | 0 |
| 87 | Near-resonant optical forces beyond the two-level approximation for a continuous source of spin-polarized cold atoms. Physical Review A, 2013, 87, . | 1.0 | 4 |
| 88 | Spin cooling via incoherent feedback in an ensemble of cold ⁸⁷ Rb atoms. , 2013, , . | | 0 |
| 89 | Quantum control of spin-correlations in ultracold lattice gases. , 2013, , . | | 0 |
| 90 | Quantum atom–light interfaces in the Gaussian description for spin-1 systems. New Journal of Physics, 2013, 15, 103007. | 1.2 | 29 |

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| 91 | Quantum metrology with cold atomic ensembles. EPJ Web of Conferences, 2013, 57, 03004. | 0.1 | Ο |
| 92 | Quantum control of spin-correlations in ultracold lattice gases. , 2013, , . | | 0 |
| 93 | Generation of planar quantum squeezing in an atomic ensemble. , 2013, , . | | 0 |
| 94 | Simultaneous observation of super-Heisenberg scaling and spin squeezing in a nonlinear measurement of atomic spins. , 2013, , . | | 0 |
| 95 | Entanglement-enhanced probing of a delicate material system. , 2013, , . | | 0 |
| 96 | Ultranarrow Faraday rotation filter at the Rb D_1 line. Optics Letters, 2012, 37, 524. | 1.7 | 78 |
| 97 | A high-brightness source of polarization-entangled photons optimized for applications in free space. Optics Express, 2012, 20, 9640. | 1.7 | 79 |
| 98 | Fast beam steering with full polarization control using a galvanometric optical scanner and polarization controller. Optics Express, 2012, 20, 12247. | 1.7 | 25 |
| 99 | Efficient Quantification of Non-Gaussian Spin Distributions. Physical Review Letters, 2012, 108, 183602. | 2.9 | 22 |
| 100 | Magnetic Sensitivity Beyond the Projection Noise Limit by Spin Squeezing. Physical Review Letters, 2012, 109, 253605. | 2.9 | 217 |
| 101 | Certified quantum non-demolition measurement of material systems. New Journal of Physics, 2012, 14, 085021. | 1.2 | 7 |
| 102 | Atomic Quantum Metrology with Polarization-Entangled States of Light. , 2012, , . | | 2 |
| 103 | Generation of a macroscopic singlet state in an atomic ensemble. , 2012, , . | | Ο |
| 104 | Spin Squeezing of Large-Spin Ensembles via Quantum Non-demolition Measurement. , 2012, , . | | 0 |
| 105 | High-performance narrowband filter for atom-resonant quantum light generation. , 2012, , . | | 0 |
| 106 | Generation of a macroscopic singlet state in an atomic ensemble. , 2012, , . | | 0 |
| 107 | Multipartite photonic entanglement generated from polarization squeezing at 795 nm. , 2012, , . | | 0 |
| 108 | Atom-Resonant Heralded Single Photons by Interaction-Free Measurement. Physical Review Letters, 2011, 106, 053602. | 2.9 | 70 |

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|-----|--|------|-----------|
| 109 | Fast optical source for quantum key distribution based on semiconductor optical amplifiers. Optics Express, 2011, 19, 3825. | 1.7 | 11 |
| 110 | True random numbers from amplified quantum vacuum. Optics Express, 2011, 19, 20665. | 1.7 | 128 |
| 111 | Collaboration and precision in quantum measurement. Physics Today, 2011, 64, 72-73. | 0.3 | 0 |
| 112 | Interaction-based quantum metrology showing scaling beyond the Heisenberg limit. Nature, 2011, 471, 486-489. | 13.7 | 185 |
| 113 | Experimental light-squeezing-enhanced magnetometry. , 2011, , . | | 0 |
| 114 | High resolution magnetic vector-field imaging with cold atomic ensembles. Applied Physics Letters, 2011, 98, 074101. | 1.5 | 34 |
| 115 | Interaction-based quantum metrology giving a scaling beyond the Heisenberg limit. , 2011, , . | | 0 |
| 116 | Improvement of an atomic measurement by multi-photon interference. , 2011, , . | | 0 |
| 117 | Many-particle pairwise entanglement induced by temporal anti-correlation of a Stokes parameter. , 2011, , . | | 0 |
| 118 | Generation of a macroscopic singlet state in an atomic ensemble. , 2011, , . | | 0 |
| 119 | Active and passive optical sources for QKD. , 2011, , . | | 0 |
| 120 | Generation of a macroscopic singlet state in an atomic ensemble. , 2011, , . | | 0 |
| 121 | Quantum-Light-Enhanced Optical Magnetometry. , 2011, , . | | 0 |
| 122 | Compact optical sources for quantum communications. , 2011, , . | | 0 |
| 123 | Sub-Projection-Noise Sensitivity in Broadband Atomic Magnetometry. Physical Review Letters, 2010, 104, 093602. | 2.9 | 119 |
| 124 | Resonant interaction of a single atom with single photons from a down-conversion source. Physical Review A, 2010, 81, . | 1.0 | 16 |
| 125 | Quantum Nondemolition Measurement of Large-Spin Ensembles by Dynamical Decoupling. Physical Review Letters, 2010, 105, 093602. | 2.9 | 65 |
| 126 | Squeezed-Light Optical Magnetometry. Physical Review Letters, 2010, 105, 053601. | 2.9 | 163 |

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| 127 | Generation of macroscopic singlet states in atomic ensembles. New Journal of Physics, 2010, 12, 053007. | 1.2 | 53 |
| 128 | Nonlinear metrology with a quantum interface. New Journal of Physics, 2010, 12, 093016. | 1.2 | 39 |
| 129 | 100 MHz Amplitude and Polarization Modulated Optical Source for Free-Space Quantum Key Distribution at 850 nm. Journal of Lightwave Technology, 2010, 28, 2572-2578. | 2.7 | 23 |
| 130 | Polarization change induced by a galvanometric optical scanner. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 1946. | 0.8 | 16 |
| 131 | NOON states from cavity-enhanced down-conversion: high quality and super-resolution. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A25. | 0.9 | 15 |
| 132 | 100 MHz Amplitude and Polarization Modulated Optical Source for Free-Space Quantum Communications at 850 nm. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 297-304. | 0.2 | 0 |
| 133 | Parametric down-conversion from a wave-equation approach: Geometry and absolute brightness. Physical Review A, 2009, 79, . | 1.0 | 12 |
| 134 | Rubidium resonant squeezed light from a diode-pumped optical parametric oscillator. , 2009, , . | | 1 |
| 135 | Better-than-Heisenberg scaling of sensitivity with light and cold atomic ensembles. , 2009, , . | | 0 |
| 136 | Ultra-sensitive Faraday rotation measurements from an atom-light quantum interface. , 2009, , . | | 0 |
| 137 | Polarization-based light-atom quantum interface with an all-optical trap. Physical Review A, 2009, 79, . | 1.0 | 58 |
| 138 | A single ion interacting with single spontaneous parametric down-conversion photons. , 2009, , . | | 0 |
| 139 | Narrow-band filter for quantum light. , 2009, , . | | 0 |
| 140 | Unified description of inhomogeneities, dissipation and transport in quantum light–atom interfaces. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 195502. | 0.6 | 21 |
| 141 | Demonstrating Heisenberg-limited unambiguous phase estimation without adaptive measurements. New Journal of Physics, 2009, 11, 073023. | 1.2 | 99 |
| 142 | An entangled photon source for resonant single-photon–single-atom interaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 114002. | 0.6 | 17 |
| 143 | Tunable narrowband entangled photon pair source for resonant single-photon single-atom interaction. Optics Letters, 2009, 34, 55. | 1.7 | 55 |
| 144 | Narrowband tunable filter based on velocity-selective optical pumping in an atomic vapor. Optics Letters, 2009, 34, 1012. | 1.7 | 53 |

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| 145 | Ultra-bright narrow-band down-conversion source for atom-photon interaction. , 2009, , . | | Ο |
| 146 | How to perform the most accurate possible phase measurements. Physical Review A, 2009, 80, . | 1.0 | 139 |
| 147 | Quantum-Enhanced Measurements of Atomic Spin. , 2009, , . | | 0 |
| 148 | Ultra-Bright Narrow-Band Down-Conversion Source for Atom-Photon Interaction. , 2009, , . | | 0 |
| 149 | Bright filter-free source of indistinguishable photon pairs. Optics Express, 2008, 16, 18145. | 1.7 | 70 |
| 150 | Spatial entanglement of paired photons generated in cold atomic ensembles. Physical Review A, 2008, 78, . | 1.0 | 8 |
| 151 | Rubidium resonant squeezed light from a diode-pumped optical-parametric oscillator. Physical Review A, 2008, 78, . | 1.0 | 36 |
| 152 | Detecting hidden differences via permutation symmetries. Physical Review A, 2008, 78, . | 1.0 | 19 |
| 153 | Hamiltonian design in atom-light interactions with rubidium ensembles: A quantum-information toolbox. Physical Review A, 2008, 77, . | 1.0 | 29 |
| 154 | Narrowband ⁸⁷ Rb Resonant Downconversion Source for Quantum Memories. , 2007, , . | | 0 |
| 155 | Cold ⁸⁷ Rb ensembles: non-Gaussian state detection and spin tomography. , 2007, , | | 0 |
| 156 | Spin squeezing experiments in a cold ensemble of ⁸⁷ Rb. , 2007, , . | | 0 |
| 157 | Multiparticle State Tomography: Hidden Differences. Physical Review Letters, 2007, 98, 043601. | 2.9 | 36 |
| 158 | Simple Proof of Equivalence between Adiabatic Quantum Computation and the Circuit Model. Physical Review Letters, 2007, 99, 070502. | 2.9 | 161 |
| 159 | Inhomogeneities in atom-light interfaces and spin squeezing dynamics. , 2007, , . | | 0 |
| 160 | A pair photon source for heralded single-photon - single-atom interaction. , 2007, , . | | 0 |
| 161 | Classical dispersion-cancellation interferometry. Optics Express, 2007, 15, 8797. | 1.7 | 50 |
| 162 | A double-slit â€~which-way' experiment on the complementarity–uncertainty debate. New Journal of Physics, 2007, 9, 287-287. | 1.2 | 131 |

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|-----|--|------|-----------|
| 163 | Quantum Light - Matter Interactions with Cold Ensembles. , 2007, , . | | Ο |
| 164 | Cold atomic ensembles for quantum interfaces: new interactions , 2007, , . | | 0 |
| 165 | Interaction Free Spectroscopy with Single Photons. , 2007, , . | | 0 |
| 166 | Metrology with entangled states. , 2005, , . | | 10 |
| 167 | Limitations of quantum process tomography. , 2005, 5631, 60. | | 1 |
| 168 | Indistinguishability of entangled photons generated with achromatic phase matching. Physical Review A, 2005, 71, . | 1.0 | 15 |
| 169 | Quantum process tomography on vibrational states of atoms in an optical lattice. Physical Review A, 2005, 72, . | 1.0 | 46 |
| 170 | Conditions for spin squeezing in a cold87Rb ensemble. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S548-S552. | 1.4 | 41 |
| 171 | Experimental generation of entangled states by post-selected linear-optics operations. , 2004, , IMG5. | | 0 |
| 172 | Super-resolving phase measurements with a multiphoton entangled state. Nature, 2004, 429, 161-164. | 13.7 | 720 |
| 173 | Quantum process tomography and the search for decoherence-free subspaces. , 2004, 5436, 223. | | 1 |
| 174 | Diagnosis, Prescription, and Prognosis of a Bell-State Filter by Quantum Process Tomography. Physical Review Letters, 2003, 91, 120402. | 2.9 | 91 |
| 175 | Scaling considerations in ground-state quantum computation. Physical Review A, 2002, 65, . | 1.0 | 16 |
| 176 | Entangled photon apparatus for the undergraduate laboratory. American Journal of Physics, 2002, 70, 898-902. | 0.3 | 60 |
| 177 | Entangled photons, nonlocality, and Bell inequalities in the undergraduate laboratory. American Journal of Physics, 2002, 70, 903-910. | 0.3 | 108 |
| 178 | Energy barrier to decoherence. Physical Review A, 2001, 63, . | 1.0 | 24 |
| 179 | Dynamics of atom-mediated photon-photon scattering. Physical Review A, 2000, 62, . | 1.0 | 24 |
| 180 | Causality and negative group delays in a simple bandpass amplifier. American Journal of Physics, 1998, 66, 14-19. | 0.3 | 146 |

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|-----|---|-----|-----------|
| 181 | Negative group delay and "fronts―in a causal system: An experiment with very low frequency bandpass amplifiers. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 230, 133-138. | 0.9 | 139 |
| 182 | Superluminality and amplifiers. Progress in Crystal Growth and Characterization of Materials, 1996, 33, 319-325. | 1.8 | 20 |
| 183 | Superluminality and parelectricity: The ammonia maser revisited. Applied Physics B: Lasers and Optics, 1995, 60, 259-265. | 1.1 | 13 |
| 184 | Superluminal and parelectric effects in rubidium vapour and ammonia gas. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1995, 7, 279-295. | 1.0 | 11 |
| 185 | Quantitative topographic analysis of fractal surfaces by scanning tunneling microscopy. Journal of Materials Research, 1990, 5, 2244-2254. | 1.2 | 147 |
| 186 | Conditions for a QND measurement of spin in cold /sup 87/Rb. , 0, , . | | 0 |
| 187 | Manipulating and measuring single atoms in the Maltese cross geometry. Open Research Europe, 0, 1, 102. | 2.0 | 0 |
| 188 | Cavity-enhanced atomic polarization rotation measurements. Optics Express, 0, , . | 1.7 | 1 |
| 189 | Manipulating and measuring single atoms in the Maltese cross geometry. Open Research Europe, 0, 1, 102. | 2.0 | 2 |