Christopher Perrella

List of Publications by Year
in descending order

32	368	759055 12	794469 19
papers	citations	h-index	g-index

32	32	32	503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Orthogonalizing the control of frequency combs for optical clockworks. Optics Letters, 2021, 46, 4972.	1.7	2
2	Using an injection-locked VCSEL to produce Fourier-transform-limited optical pulses. Optics Letters, 2021, 46, 412.	1.7	3
3	Ultrahigh-Resolution Direct-Frequency-Comb Spectrometer. Physical Review Applied, 2020, 14, .	1.5	9
4	Continuous High-Sensitivity and High-Bandwidth Atomic Magnetometer. Physical Review Applied, 2020, 14, .	1.5	33
5	Wide-bandwidth atomic magnetometry via instantaneous-phase retrieval. Physical Review Research, 2020, 2, .	1.3	21
6	Accurate Optical Number Density Measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mmultiscripts><mml:msub><mml:mi>CO</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mprescripts /><mml:none /><mml:mn>12</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:mmultiscripts><mml:msub><mml:mi>CO</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mprescripts	1.5	5
7	Spectral Broadening of a Single-Photon Transition in the Evanescent Field of an Exposed-Core Fiber. Physical Review Applied, 2019, 11, .	1.5	3
8	Ultrastable Optical Magnetometry. Physical Review Applied, 2019, 11, .	1.5	17
9	Dual-Color Magic-Wavelength Trap for Suppression of Light Shifts in Atoms. Physical Review Applied, 2019, 11, .	1.5	8
10	Dichroic Two-Photon Rubidium Frequency Standard. Physical Review Applied, 2019, 12, .	1.5	16
11	High-transmission fiber ring resonator for spectral filtering of master oscillator power amplifiers. OSA Continuum, 2019, 2, 2487.	1.8	3
12	Engineering Photon-Photon Interactions within Rubidium-Filled Waveguides. Physical Review Applied, 2018, 9, .	1.5	7
13	High-efficiency cold-atom transport into a waveguide trap. Physical Review Applied, 2018, 10, .	1.5	14
14	Simultaneous Observation of Nonlinear Magneto-Optical Rotation in the Temporal and Spectral Domains with an Electro-Optic Frequency Comb. Physical Review Applied, 2018, 10, .	1.5	11
15	Laser-Based Metastable Krypton Generation. Physical Review Letters, 2018, 121, 093201.	2.9	21
16	Number-Density Measurements of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow	1.5	12
17	Direct core structuring of microstructured optical fibers using focused ion beam milling. Optics Express, 2016, 24, 378.	1.7	25
18	Anomalous two-photon spectral features in warm rubidium vapor. Physical Review A, 2016, 94, .	1.0	0

#	Article	IF	Citations
19	Coherent radio-frequency detection for narrowband direct comb spectroscopy. Optics Express, 2016, 24, 4088.	1.7	1
20	Real-Time Dynamic Atomic Spectroscopy Using Electro-Optic Frequency Combs. Physical Review Applied, 2016, 6, .	1.5	17
21	Bidirectional microwave and optical signal dissemination. Optics Letters, 2016, 41, 1014.	1.7	2
22	Demonstration of an Exposed-Core Fiber Platform for Two-Photon Rubidium Spectroscopy. Physical Review Applied, 2015, 4, .	1.5	8
23	Hollow-core fibre frequency standard. , 2014, , .		0
24	Linewidth of collimated wavelength-converted emission in Rb vapour. Applied Physics B: Lasers and Optics, 2014, 117, 203-209.	1.1	12
25	Interferometric selection of frequency comb modes. Applied Physics B: Lasers and Optics, 2013, 113, 291-297.	1.1	1
26	High-efficiency cross-phase modulation in a gas-filled waveguide. Physical Review A, 2013, 88, .	1.0	31
27	High-resolution two-photon spectroscopy of rubidium within a confined geometry. Physical Review A, 2013, 87, .	1.0	31
28	Two-color rubidium fiber frequency standard. Optics Letters, 2013, 38, 2122.	1.7	13
29	Phase-sensitive imaging of cold atoms at the shot-noise limit. Applied Physics Letters, 2013, 102, .	1.5	4
30	Frequency evaluation of collimated blue light generated by wave mixing in Rb vapour. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 245503.	0.6	20
31	High-resolution optical spectroscopy in a hollow-core photonic crystal fiber. Physical Review A, 2012, 85, .	1.0	18
32	High resolution optical spectroscopy in hollow core fibre for use in atomic clocks. , 2011, , .		0