Filippo Levi

List of Publications by Year
in descending order

83	2,570	186265	197818
papers	citations	28 h-index	49 g-index

84	84	84	1679
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coherent phase transfer for real-world twin-field quantum key distribution. Nature Communications, 2022, 13, 157.	12.8	44
2	Optically Loaded Strontium Lattice Clock With a Single Multi-Wavelength Reference Cavity. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-9.	4.7	9
3	Intercontinental comparison of optical atomic clocks through very long baseline interferometry. Nature Physics, 2021, 17, 223-227.	16.7	31
4	Kr-Based Buffer Gas for Rb Vapor-Cell Clocks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1442-1447.	3.0	7
5	Loaded Microwave Cavity for Compact Vapor-Cell Clocks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 872-879.	3.0	4
6	INRIM Sr Optical Clock: An Optically Loaded Apparatus for High-Stability Metrology. , 2021, , .		1
7	Absolute frequency measurement of the ¹S₀â€“³P₀ transition of ¹⁷¹Yb with a link to international atomic time. Metrologia, 2020, 57, 035007.	1.2	46
8	Intensity Detection Noise in Pulsed Vapor-Cell Frequency Standards. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1074-1079.	3.0	12
9	Coherent Interferometry over Telecom Networks for Time-Frequency Distribution and Geophysical Sensing. , 2020, , .		1
10	Sideband-Enhanced Cold Atomic Source for Optical Clocks. Physical Review Applied, 2020, 13, .	3.8	23
11	Tunable UV spectrometer for Doppler broadening thermometry of mercury. Optics Letters, 2020, 45, 3693.	3.3	6
12	Common-clock very long baseline interferometry using a coherent optical fiber link. Optica, 2020, 7, 1031.	9.3	46
13	A Coherent Optical Fiber Link for Very Long Baseline Interferometry. , 2020, , .		0
14	Optical Frequency Transfer over Submarine Fibers. , 2020, , .		1
15	Spectral purity transfer with 5 Ã— 10^{â”17} instability at 1 s using a multibranch Er:fiber frequency comb. Metrologia, 2019, 56, 045008.	1.2	12
16	A Coherent Fibre Link for Space Geodesy. , 2019, , .		0
17	Optical Atomic Clocks: From International Timekeeping to Gravity Potential Measurement. , 2019, , .		0
18	Geodesy and metrology with a transportable optical clock. Nature Physics, 2018, 14, 437-441.	16.7	316

#	Article	IF	Citations
19	Time and Frequency Distribution over fibre for Geodesy, Seismology and Industry. , 2018, , .		1
20	Optical frequency transfer over submarine fiber links. Optica, 2018, 5, 893.	9.3	34
21	Ultrastable laser interferometry for earthquake detection with terrestrial and submarine cables. Science, 2018, 361, 486-490.	12.6	196
22	Metrological-grade tunable coherent source in the mid-infrared for molecular precision spectroscopy. , 2018, , .		0
23	Absolute frequency measurement of the ${{}^{1}}{{ext{S}}_{0}}$ â€“ ${{}^{3}}{{ext{P}}_{0}}$ transition of¹⁷¹Yb. Metrologia, 2017, 54, 102-112.	1.2	44
24	A VLBI experiment using a remote atomic clock via a coherent fibre link. Scientific Reports, 2017, 7, 40992.	3.3	91
25	CLONETS - clock network services: Strategy and innovation for clock services over optical-fibre networks. , 2017, , .		4
26	The Italian optical link for time and frequency. , 2017, , .		3
27	Multiple lasers stabilization on a single three color optical cavity. , 2017, , .		0
28	CLONETS â€“ Clock network services strategy and innovation for clock services over optical-fibre networks. , 2017, , .		3
29	A strontium optical lattice clock apparatus for precise frequency metrology and beyond. , 2017, , .		4
30	Laser intensity noise transfer for pulsed vapor-cell clocks with optical detection. , 2017, , .		1
31	Absolute frequency measurement of the ¹⁷¹Yb optical lattice clock at INRIM. , 2017, , .		0
32	Effect of a timebase mismatch in two-way optical frequency transfer. Metrologia, 2017, 54, 805-809.	1.2	5
33	Multiple wavelength stabilization on a single optical cavity using the offset sideband locking technique. Optics Letters, 2017, 42, 1970.	3.3	20
34	Comb-assisted cavity ring-down spectroscopy of a buffer-gas-cooled molecular beam. Physical Chemistry Chemical Physics, 2016, 18, 16715-16720.	2.8	23
35	Metrological characterization of INRIM's Yb lattice clock. , 2016, , .		0
36	Measuring absolute frequencies beyond the GPS limit via long-haul optical frequency dissemination. Optics Express, 2016, 24, 11865.	3.4	30

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37	Ytterbium optical lattice clock at INRIM. , 2015, , .		1
38	A coherent fiber link for very long baseline interferometry. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2015, 62, 1907-1912.	3.0	27
39	Accuracy evaluation of ITCsF2: a nitrogen cooled caesium fountain. Metrologia, 2014, 51, 270-284.	1.2	113
40	First accuracy evaluation of NIST-F2. Metrologia, 2014, 51, 174-182.	1.2	153
41	Yellow laser performance of Dy^3+ in co-doped Dy,Tb:LiLuF_4. Optics Letters, 2014, 39, 6628.	3.3	91
42	Efficient frequency doubling at 399â€‰â€‰nm. Applied Optics, 2014, 53, 3388.	1.8	28
43	Industrialisation approach of the pop atomic clock for application to GNSS. , 2014, , .		3
44	Distributed Raman Optical Amplification in Phase Coherent Transfer of Optical Frequencies. IEEE Photonics Technology Letters, 2013, 25, 1711-1714.	2.5	20
45	Ramsey-fringe shape in an alkali-metal vapor cell with buffer gas. Physical Review A, 2013, 88, .	2.5	11
46	Active disturbance rejection control of temperature for ultrastable optical cavities. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 273-280.	3.0	17
47	A high sensitivity fiber optic gyroscope on multiplexed telecommunication network. , 2013, , .		0
48	Improved set-up for the ytterbium optical clock at INRIM. , 2013, , .		2
49	Optical frequency link between Torino and Firenze for remote comparison between Yb and Sr optical clocks. , 2012, , .		1
50	Realization of an ultrastable 578-nm laser for an Yb lattice clock. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 426-431.	3.0	29
51	Active Disturbance Rejection Control: Application to the temperature stabilization of ultra-stable cavities. , 2012, , .		1
52	Pulsed optically pumped rubidium clock with high frequency-stability performance. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 457-462.	3.0	24
53	Enhanced temperature sensitivity in vapor-cell frequency standards. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2646-2654.	3.0	35
54	Microwave cavities for vapor cell frequency standards. Review of Scientific Instruments, 2011, 82, 074703.	1.3	32

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55	Planar-waveguide external cavity laser stabilization for an optical link with 10⁻¹⁹ frequency stability. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 2582-2587.	3.0	43
56	Medium-long term frequency stability of pulsed vapor cell clocks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1524-1534.	3.0	26
57	Cryogenic fountain development at NIST and INRIM: preliminary characterization. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 600-605.	3.0	20
58	Pulsed optically pumped Rb clock with optical detection: First results. , 2010, , .		4
59	Multistep preparation into a single Zeeman sublevel in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>Rb</mml:mtext><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>87</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>vapor	2.5	14
60	Pulsed optically pumped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>87</mml:mn></mml:mmultiscripts></mml:math>vapor cell frequency standard: A multilevel approach. Physical Review A, 2009, 79, .	2.5	47
61	The cryogenic fountain ITCsF2. , 2009, , .		3
62	RF spectrum of a carrier with a random phase modulation of arbitrary slope. Metrologia, 2008, 45, 313-324.	1.2	65
63	Electronics for the Pulsed Rubidium Clock: Design and Characterization. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1731-1740.	3.0	32
64	Frequency-Stability Performances of the Pulsed Optically Pumped Rubidium Clock: Recent Results and Future Perspectives. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 378-382.	4.7	15
65	Microwave leakage-induced frequency shifts in the primary frequency Standards NIST-F1 and IEN-CSF1. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 2376-2385.	3.0	32
66	The pulsed rubidium clock. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 525-529.	3.0	24
67	Power dependence of the frequency bias caused by spurious components in the microwave spectrum in atomic fountains. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2006, 53, 1584-1589.	3.0	25
68	Physics characterization and frequency stability of the pulsed rubidium maser. Physical Review A, 2006, 74, .	2.5	53
69	Spin-exchange frequency shift in alkali-metal-vapor cell frequency standards. Physical Review A, 2006, 73, .	2.5	35
70	Stark-shift measurement of theS1âˆ•22,F=3â†'F=4hyperfine transition ofCs133. Physical Review A, 2005, 71, .	2.5	23
71	Low-noise electronic design for the /sup 87/Rb coherent population trapping maser. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2005, 52, 1923-1930.	3.0	7
72	Measurement of the blackbody radiation shift of theCs133hyperfine transition in an atomic fountain. Physical Review A, 2004, 70, .	2.5	29

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73	Pulsed optically pumped frequency standard. Physical Review A, 2004, 70, .	2.5	51
74	Blackbody radiation shift of theCs133hyperfine transition frequency. Physical Review A, 2004, 69, .	2.5	30
75	Coherent-population-trapping maser: Noise spectrum and frequency stability. Physical Review A, 2004, 70, .	2.5	32
76	IEN-CsF1 accuracy evaluation and two-way frequency comparison. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2004, 51, 1216-1224.	3.0	25
77	Propagation and density effects in the coherent-population-trapping maser. Physical Review A, 2002, 65, .	2.5	22
78	Slow light and superluminality in the coherent population trapping maser. Physical Review A, 2002, 66, .	2.5	19
79	Rabi resonances in the Î› excitation scheme. Physical Review A, 2002, 66, .	2.5	30
80	Subcollisional linewidth observation in the coherent-population-trapping Rb maser. Physical Review A, 2002, 65, .	2.5	12
81	Theory of the coherent population trapping maser: â€‚A strong-field self-consistent approach. Physical Review A, 2000, 62, .	2.5	23
82	Coherent microwave emission in cesium under coherent population trapping. Physical Review A, 1999, 59, R12-R15.	2.5	35
83	Coherent population trapping in cesium: Dark lines and coherent microwave emission. Physical Review A, 1998, 58, 2345-2358.	2.5	185