Feng-Lei Hong

List of Publications by Year
in descending order

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236	5,517	109321	88630
papers	citations	35 h-index	70 g-index

237	237	237	3073
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laser frequency measurement in the short-wavelength region using an intermediate laser and a frequency noise cancellation method. Optics Letters, 2022, 47, 30.	3.3	1
2	Generation of 116ÂmW output power at 461 nm in a periodically poled lithium niobate waveguide. Japanese Journal of Applied Physics, 2022, 61, 020701.	1.5	2
3	Transfer of linewidth and frequency stability from an iodine-stabilized Nd:YAG laser to a quantum memory control laser through an optical frequency comb. Japanese Journal of Applied Physics, 2022, 61, 088003.	1.5	2
4	Towards generation of optical frequency comb in the short-wavelength visible region using periodically poled lithium niobate waveguides. Results in Optics, 2021, 2, 100035.	2.0	4
5	Current status of space gravitational wave antenna DECIGO and B-DECIGO. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	150
6	Spectral normalization in dual-comb spectroscopy of acetylene using a sealed gas cell and a liquid nitrogen trap. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1024.	2.1	3
7	Hyperfine structure of molecular iodine measured using a light source with a laser linewidth at the megahertz level. OSA Continuum, 2021, 4, 1452.	1.8	1
8	High-resolution spectroscopy of molecular iodine using a narrow-linewidth laser at telecom wavelength. , 2021, , .		0
9	Improved frequency ratio measurement with ⁸⁷Sr and ¹⁷¹Yb optical lattice clocks at NMIJ. Metrologia, 2021, 58, 015008.	1.2	8
10	Offset-locking-based frequency stabilization of external cavity diode lasers for long-distance quantum communication. Japanese Journal of Applied Physics, 2021, 60, 122001.	1.5	5
11	Coupling of a quantum memory and telecommunication wavelength photons for high-rate entanglement distribution in quantum repeaters. Optics Express, 2021, 29, 41522.	3.4	6
12	Development of an operational Yb optical lattice clock towards contribution to the International Atomic Time. , 2020, , .		0
13	Development of 19.8 MHz repetition rate optical frequency combs for dual-comb spectroscopy. Japanese Journal of Applied Physics, 2020, 59, 028002.	1.5	2
14	Frequency noise measurement and its uncertainty estimation of an optical frequency comb using a delay line interferometer. Measurement Science and Technology, 2020, 31, 125012.	2.6	4
15	Demonstration of the nearly continuous operation of an¹⁷¹Yb optical lattice clock for half a year. Metrologia, 2020, 57, 065021.	1.2	24
16	Absolute frequency and hyperfine structure of ¹²⁷I₂ transitions at 531.5â€‰â€‰nm by precision spectroscopy using a narrow-linewidth diode laser. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1027.	2.1	6
17	Iodine-stabilized laser at telecom wavelength using dual-pitch periodically poled lithium niobate waveguide. Optics Express, 2020, 28, 2166.	3.4	11
18	High-resolution spectroscopy and laser frequency stabilization using a narrow-linewidth planar-waveguide external cavity diode laser at 1063â€‰â€‰nm. Optics Letters, 2020, 45, 129.	3.3	9

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19	Ultra-Broadband Single-Branch Optical Frequency Comb Using a Periodically Poled Lithium Niobate Waveguide. , 2020, , .		0
20	Laser frequency stabilization using a 2-m-long iodine cell. , 2020, , .		0
21	Sr optical lattice clock assisted by optical frequency combs for contribution to International Atomic Time. , 2020, , .		0
22	Space gravitational-wave antennas DECIGO and B-DECIGO. International Journal of Modern Physics D, 2019, 28, 1845001.	2.1	73
23	Optical Frequency Metrology Study on Nonlinear Processes in a Waveguide Device for Ultrabroadband Comb Generation. Physical Review Applied, 2019, 11, .	3.8	19
24	Status report on an 171Yb optical lattice clock at NMIJ. , 2019, , .		0
25	An Iodine-Stabilized Laser using a 1542-nm Light Source. , 2019, , .		0
26	Evaluation of Fiber Noise Induced in Ultrastable Environments. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 2246-2252.	4.7	9
27	Narrow-linewidth and highly stable optical frequency comb realized with a simple electro-optic modulator system in a mode-locked Er:fiber laser. Japanese Journal of Applied Physics, 2019, 58, 038003.	1.5	10
28	Precision spectroscopy and frequency stabilization using coin-sized laser modules. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 631.	2.1	6
29	Development of 8-branch Er:fiber frequency comb for Sr and Yb optical lattice clocks. Optics Express, 2019, 27, 6404.	3.4	14
30	Primordial gravitational wave and DECIGO. , 2019, , .		4
31	Narrow-linewidth and highly stable optical frequency comb realized with a simple servo control system in a mode-locked Er:fiber laser. , 2019, , .		0
32	An iodine-stabilized laser at the telecom wavelength using a dual-pitch PPLN waveguide. , 2019, , .		0
33	Dual-Mode Operation of an Optical Lattice Clock Using Strontium and Ytterbium Atoms. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1069-1075.	3.0	13
34	Detection and Evaluation of Fiber Noise Induced in Ultra-Stable Environments. , 2018, , .		1
35	Uncertainty Evaluation of an ¹⁷¹Yb Optical Lattice Clock at NMIJ. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 2449-2458.	3.0	17
36	Evaluation of laser frequency offset locking using an electrical delay line. Applied Optics, 2018, 57, 5628.	1.8	13

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37	Two-step frequency conversion for connecting distant quantum memories by transmission through an optical fiber. Japanese Journal of Applied Physics, 2018, 57, 062801.	1.5	11
38	A frequency-stabilized light source at 399 nm using an Yb hollow-cathode lamp. Japanese Journal of Applied Physics, 2018, 57, 062501.	1.5	8
39	Compact frequency-stabilized pump laser for wavelength conversion in long-distance quantum communication. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2023.	2.1	1
40	Frequency-Stabilized Pump Laser for Wavelength Conversion in Long-Distance Quantum Communication. , 2018, , .		0
41	Ultra-Compact Frequency-Stabilized Lasers at Visible Wavelengths. , 2018, , .		0
42	Optical Frequency Combs and Frequency-Stabilized Lasers. The Review of Laser Engineering, 2018, 46, 379.	0.0	0
43	A High-Speed-Controllable Fiber Comb Using a Compact Optical-Bench System. , 2018, , .		0
44	Erbium-Fiber-Based Visible Astro-Comb with 42-GHz Mode Spacing. , 2018, , .		3
45	Determination of the offset frequency of a broadband frequency comb generated in a waveguide-type periodically poled lithium niobate crystal. , 2018, , .		0
46	Offset Frequency Measurement of a Broadband Optical Comb Generated in a Waveguide-Type Periodically Poled Lithium Niobate Crystal. , 2018, , .		0
47	An 8-branch optical frequency comb for laser frequency stabilization and measurement in optical lattice clocks. , 2018, , .		0
48	Optical frequency standards for time and length applications. Measurement Science and Technology, 2017, 28, 012002.	2.6	61
49	Transition dipole-moment of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si25.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> band of acetylene measured with dual-comb Fourier-transform spectroscopy. Journal of Molecular Spectroscopy, 2017, 341, 10-16.	1.2	9
50	Iwakuni et al . Reply:. Physical Review Letters, 2017, 119, 069402.	7.8	3
51	The status of DECIGO. Journal of Physics: Conference Series, 2017, 840, 012010.	0.4	148
52	Compact and inexpensive iodine-stabilized diode laser system with an output at 531 nm for gauge block interferometers. Precision Engineering, 2017, 47, 528-531.	3.4	11
53	Space gravitational wave antenna DECIGO and B-DECIGO. CEAS Space Journal, 2017, 9, 371-377.	2.3	3
54	Development of an 8-branch optical frequency comb for laser frequency stabilization. , 2017, , .		0

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55	The CCL-K11 ongoing key comparison. Final report for the year 2014. Metrologia, 2017, 54, 04001-04001.	1.2	1
56	Research Activities of Optical Frequency Standards and Combs. Journal of the Institute of Electrical Engineers of Japan, 2017, 137, 418-421.	0.0	0
57	Modulation-Free Frequency-Stabilized Laser at 1.5 Î¼m Using a Narrow-Linewidth Diode Laser. , 2017, , .		0
58	Generation of five phase-locked harmonics in the continuous wave regime and its potential application to arbitrary optical waveform synthesis. , 2017, , .		0
59	Absolute frequency measurements and hyperfine structures of the molecular iodine transitions at 578â€‰â€‰nm. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 725.	2.1	20
60	Ortho-Para-Dependent Pressure Effects Observed in the Near Infrared Band of Acetylene by Dual-Comb Spectroscopy. Physical Review Letters, 2016, 117, 143902.	7.8	25
61	Second harmonic generation at 399 nm resonant on the ^1S_0â^'^1P1 transition of ytterbium using a periodically poled LiNbO_3 waveguide. Optics Express, 2016, 24, 12142.	3.4	21
62	Sub-Doppler laser spectroscopy of molecular iodine at 578 nm. , 2016, , .		0
63	Generation of a frequency comb spanning more than 36 octaves from ultraviolet to mid infrared. Optics Letters, 2016, 41, 3980.	3.3	47
64	High-Precision Spectroscopy Using Ultra-Compact Lasers. , 2016, , .		1
65	Improved Frequency Measurement of the ¹S₀â€“³P₀ Clock Transition in ⁸⁷Sr Using a Cs Fountain Clock as a Transfer Oscillator. Journal of the Physical Society of Japan, 2015, 84, 115002.	1.6	26
66	A Precise Frequency Comparison System Using an Optical Carrier. Electronics and Communications in Japan, 2015, 98, 19-27.	0.5	3
67	Laser Frequency Calibration System with Optical Frequency Comb Linked to National Standard of Frequency. Journal of the Japan Society for Precision Engineering, 2015, 81, 881-884.	0.1	0
68	Novel phase-locking schemes for the carrier envelope offset frequency of an optical frequency comb. Applied Physics Express, 2015, 8, 112402.	2.4	4
69	All-optically stabilized frequency comb. Applied Physics Express, 2015, 8, 122701.	2.4	6
70	Generation of five phase-locked harmonics by implementing a divide-by-three optical frequency divider. Optics Letters, 2015, 40, 5802.	3.3	11
71	Sub-Doppler resolution mid-infrared spectroscopy using a difference-frequency-generation source spectrally narrowed by laser linewidth transfer. Optics Letters, 2015, 40, 5467.	3.3	6
72	Improvements to the Volume Measurement of ²⁸Si Spheres to Determine the Avogadro Constant. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 1650-1656.	4.7	17

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73	Compact iodine-stabilized laser operating at 531 nm with stability at the 10^â˜’12 level and using a coin-sized laser module. Optics Express, 2015, 23, 20749.	3.4	24
74	Ultra-broadband dual-comb spectroscopy across 1.0â€“1.9 Âµm. Applied Physics Express, 2015, 8, 082402.	2.4	134
75	Visible to Mid-Infrared Frequency Comb Generation Using a Waveguide PPLN. , 2015, , .		0
76	Frequency-Control Characteristics of an Erbium-Based Mode-Locked Fiber Laser with an Optically Pumped Ytterbium Fiber. , 2015, , .		1
77	A compact iodine-stabilized diode laser at 531 nm. , 2015, , .		0
78	Frequency Division in the Optical Frequency Region and Generation of Phase-Locked High Harmonics. The Review of Laser Engineering, 2015, 43, 517.	0.0	0
79	Development and Applications of Time and Frequency Standards. Journal of the Japan Society for Precision Engineering, 2014, 80, 634-637.	0.1	0
80	Spectroscopy and frequency measurement of the⁸⁷Sr clock transition by laser linewidth transfer using an optical frequency comb. Applied Physics Express, 2014, 7, 012401.	2.4	44
81	Developments of optical lattice clock frequency standards and their remote comparisons. , 2014, , .		0
82	Frequency ratio measurement of ^171Yb and ^87Sr optical lattice clocks. Optics Express, 2014, 22, 7898.	3.4	40
83	Space-based detectors. General Relativity and Gravitation, 2014, 46, 1.	2.0	4
84	Evaluation of an ultra-stable laser system based on a linewidth transfer method for optical clocks. , 2014, , .		0
85	National standards of length for high-capacity optical fiber communication systems. Synthesiology, 2014, 7, 65-78.	0.2	1
86	National length standard supporting high-capacity optical fiber communication systems. Synthesiology, 2014, 7, 68-80.	0.2	1
87	Ultra-Broadband Near-Infrared Dual-Comb Spectroscopy. , 2014, , .		0
88	Study on a Precise Frequency Comparison System using an Optical Carrier. IEEJ Transactions on Electronics, Information and Systems, 2014, 134, 526-533.	0.2	0
89	Precision measurement with optical frequency combs and clocks. , 2013, , .		0
90	A Fabryâ€“PÃ©rot Etalon with an Ultralow Expansion Ceramic Spacer. Japanese Journal of Applied Physics, 2013, 52, 032402.	1.5	43

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91	Spectroscopy of ^171Yb in an optical lattice based on laser linewidth transfer using a narrow linewidth frequency comb. Optics Express, 2013, 21, 7891.	3.4	46
92	Towards a new clock laser system using a ceramic cavity and laser linewidth transfer technique. , 2013, , .		0
93	Optical frequency measurement comparison using fiber laser combs between CMS and NMIJ. , 2013, , .		0
94	DECIGO PATHFINDER. International Journal of Modern Physics D, 2013, 22, 1341002.	2.1	7
95	Improved Absolute Frequency Measurement of the 171Yb Optical Lattice Clock towards the Redefinition of the Second. , 2013, , .		0
96	Narrow linewidth comb realized with a mode-locked fiber laser using an intra-cavity waveguide electro-optic modulator for high-speed control. Optics Express, 2012, 20, 13769.	3.4	80
97	Narrow linewidth laser system realized by linewidth transfer using a fiber-based frequency comb for the magneto-optical trapping of strontium. Optics Express, 2012, 20, 16010.	3.4	25
98	Optical frequency metrology with optical lattice clocks and optical frequency combs. , 2012, , .		0
99	Improved Absolute Frequency Measurement of the ^{171}Yb Optical Lattice Clock towards a Candidate for the Redefinition of the Second. Applied Physics Express, 2012, 5, 102401.	2.4	61
100	Toward an optical frequency comb with relative frequency uncertainty at 10â^'21-level. , 2012, , .		1
101	Progress of the 171Yb Optical Lattice Clock at NMIJ, AIST. , 2012, , .		0
102	Optical frequency metrology with ytterbium and strontium optical lattice clocks. , 2011, , .		0
103	A compact light source at 461 nm using a periodically poled LiNbO_3 waveguide for strontium magneto-optical trapping. Optics Express, 2011, 19, 2046.	3.4	23
104	THz-Spaced Raman Comb with An Accuracy Transferred from An Absolute Frequency. The Review of Laser Engineering, 2011, 39, 836-841.	0.0	0
105	Current status of the¹⁷¹Yb optical lattice clock at NMIJ, AIST. Proceedings of SPIE, 2011, , .	0.8	0
106	Optimization of the process variables for the synthesis of starchâ€based biodegradable resin using response surface methodology. Journal of Applied Polymer Science, 2011, 119, 1797-1804.	2.6	17
107	The CCL-K11 ongoing key comparison: final report for the year 2010. Metrologia, 2011, 48, 04001-04001.	1.2	1
108	The Japanese space gravitational wave antenna: DECIGO. Classical and Quantum Gravity, 2011, 28, 094011.	4.0	456

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109	Measuring Time Using Next Generation Atomic Clocks. Journal of the Society of Mechanical Engineers, 2011, 114, 858-859.	0.0	0
110	Octave-spanning Comb with a Wide Frequency Interval of Molecular Rotational Raman Transition. Journal of the Korean Physical Society, 2011, 59, 2953-2955.	0.7	0
111	Frequency Metrology with Optical Lattice Clocks. Japanese Journal of Applied Physics, 2010, 49, 080001.	1.5	2
112	Development of An 171Yb Optical Lattice Clock. The Review of Laser Engineering, 2010, 38, 500-504.	0.0	0
113	Yb Optical Lattice Clock at NMIJ, AIST. , 2010, , .		0
114	All-fiber-based frequency comb with an intra-cavity waveguide electro-optic modulator. , 2010, , .		1
115	ULTRAHIGH-REPETITION-RATE PULSE TRAIN WITH ABSOLUTE-PHASE CONTROL PRODUCED BY AN ADIABATIC RAMAN PROCESS. , 2010, , .		2
116	Precise Frequency Comparison System Using Bidirectional Optical Amplifiers. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 631-640.	4.7	34
117	Toward the Yb/Sr frequency ratio measurement: Development of the Sr optical lattice clock at NMIJ, AIST. , 2010, , .		0
118	Improvement of the ¹⁷¹Yb optical lattice clock at NMIJ, AIST. , 2010, , .		0
119	Low noise optical frequency synthesizer for optical lattice clocks. , 2010, , .		0
120	Fiber-based frequency combs with millihertz-level relative linewidths for optical lattice clocks. , 2010, , .		0
121	DECIGO and DECIGO pathfinder. Classical and Quantum Gravity, 2010, 27, 084010.	4.0	39
122	Fiber-comb-stabilized light source at 556 nm for magneto-optical trapping of ytterbium. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1388.	2.1	21
123	A multi-branch, fiber-based frequency comb with millihertz-level relative linewidths using an intra-cavity electro-optic modulator. Optics Express, 2010, 18, 1667.	3.4	181
124	Absolute frequency measurement of ¹⁷¹Yb in a one-dimensional optical lattice. , 2010, , .		0
125	Evaluation of the clock laser for an Yb lattice clock using an optic fiber comb. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 606-612.	3.0	28
126	Fiber-based frequency combs and optical lattice clocks. , 2010, , .		0

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127	A new clock laser system for an Yb optical lattice clock using a fibre-based frequency comb stabilized to a narrow linewidth laser at 1064 nm. , 2010, , .		0
128	Efficient 494-mW Sum-frequency Generation of 589-nm Light by Using a Periodically Poled LiNbO<inf>3</inf> Ridge Waveguide. , 2009, , .		0
129	Absolute frequency measurement of sub-Doppler molecular lines using a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>3.4</mml:mn><mml:mtext>â^'</mml:mtext><mml:mi>Î¼</mml:mi><mml:mtext>m</mml:mtext></mml:mrow></mml:math> spectrometer and a fiber-based frequency comb. Physical Review A, 2009, 80, .	2.5	33
130	Development of an ultra-narrow-linewidth laser for interrogating the ¹S<inf>0</inf> - ³P<inf>0</inf> Clock Transition in Yb atoms. , 2009, , .		0
131	Development of an Yb optical lattice clock using a fermionic isotope. Proceedings of SPIE, 2009, , .	0.8	1
132	DECIGO pathfinder. Classical and Quantum Gravity, 2009, 26, 094019.	4.0	18
133	Frequency Measurement Capability of a Fiber-Based Frequency Comb at 633 nm. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1234-1240.	4.7	22
134	Precise determination of the Doppler width of a rovibrational absorption line using a comb-locked diode laser. Comptes Rendus Physique, 2009, 10, 907-915.	0.9	35
135	Measuring the frequency of a Sr optical lattice clock using a 120 km coherent optical transfer. Optics Letters, 2009, 34, 692.	3.3	102
136	Doppler-free spectroscopy of molecular iodine using a frequency-stable light source at 578 nm. Optics Express, 2009, 17, 1652.	3.4	43
137	Efficient 494 mW sum-frequency generation of sodium resonance radiation at 589 nm by using a periodically poled Zn:LiNbO_3 ridge waveguide. Optics Express, 2009, 17, 17792.	3.4	65
138	DECIGO: The Japanese space gravitational wave antenna. Journal of Physics: Conference Series, 2009, 154, 012040.	0.4	30
139	A low-noise, octave-spanning optical frequency comb generated by a mode-locked fiber laser with an intracavity electro-optic modulator. , 2009, , .		0
140	High precision line profile measurements on 13C acetylene using a near infrared frequency comb spectrometer. Journal of Molecular Spectroscopy, 2008, 249, 95-99.	1.2	35
141	Optimized amplification of femtosecond optical pulses by dispersion management for octave-spanning optical frequency comb generation. Optics Communications, 2008, 281, 4484-4487.	2.1	23
142	Coherent optical frequency transfer over 50-km physical distance using a 120-km-long installed telecom fiber network. Optics Express, 2008, 16, 16459.	3.4	86
143	An iodine-stabilized Yb:YAG laser. , 2008, , .		0
144	Absorption line profile measurement of rovibrational transition of acetylene molecule using a fiber comb spectrometer. , 2008, , .		0

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145	Development of a light source with a sub-hertz linewidth for an Yb optical lattice clock. , 2008, , .		0
146	Frequency comparison of two fiber-based frequency combs at 633 nm. , 2008, , .		2
147	Magneto-optical trapping of Yb atoms using an intercombination transition with an optical frequency comb: For realizing an Yb optical lattice clock. , 2008, , .		0
148	Optical Frequency Stability Measurement of an External Cavity Blue Diode Laser with an Optical Frequency Comb. Japanese Journal of Applied Physics, 2008, 47, 8856-8858.	1.5	13
149	New Limits on Coupling of Fundamental Constants to Gravity Using<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Sr</mml:mi><mml:mprescripts /><mml:none /><mml:mn>87</mml:mn></mml:mmultiscripts></mml:math>Optical Lattice Clocks. Physical Review Letters, 2008, 100, 140801.	7.8	261
150	The Japanese space gravitational wave antenna; DECIGO. Journal of Physics: Conference Series, 2008, 120, 032004.	0.4	34
151	DECIGO pathfinder. Journal of Physics: Conference Series, 2008, 120, 032005.	0.4	5
152	The Japanese space gravitational wave antenna - DECIGO. Journal of Physics: Conference Series, 2008, 122, 012006.	0.4	46
153	Dispersion management of femtosecond pulse amplification for octave-spanning optical frequency comb generation. , 2008, , .		0
154	Octave-spanning comb generation and optical frequency measurement using mode-locked fiber lasers. The Review of Laser Engineering, 2008, 36, 26-27.	0.0	0
155	DECIGO: THE JAPANESE SPACE GRAVITATIONAL WAVE ANTENNA. , 2008, , .		0
156	Precise time and frequency transfer link used for the uncertainty evaluation of Sr. optical lattice clock. Proceedings of SPIE, 2007, , .	0.8	0
157	Present status of the development of an Yb optical lattice clock at NMIJ/AIST (National Metrology) Tj ETQq1 1 0.784314 rgBT /Overlock SPIE, 2007, , .	0.8	7
158	Frequency Measurement of an Optical Lattice Clock. LEOS Summer Topical Meeting, 2007, , .	0.0	0
159	Present Status of the Development of the Yb Optical Lattice Clock at NMIJ/AIST. LEOS Summer Topical Meeting, 2007, , .	0.0	2
160	Optical Frequency Synthesis From a Cryogenic Sapphire Oscillator Using a Fiber-Based Frequency Comb. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 632-636.	4.7	11
161	Development of an Optical Lattice Clock in NMIJ, AIST. , 2006, , .		0
162	Optical Lattice Clock: Precision Frequency Measurement. , 2006, , .		0

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163	Long-term measurement of optical frequencies using a simple, robust and low-noise fiber based frequency comb. Optics Express, 2006, 14, 5223.	3.4	185
164	Displacement metrology with sub-pm resolution in air based on a fs-comb wavelength synthesizer. Optics Express, 2006, 14, 5984.	3.4	52
165	Doppler-free spectroscopy using a continuous-wave optical frequency synthesizer. Applied Optics, 2006, 45, 4910.	2.1	23
166	Optical Frequency Measurement Using Chirped-Mirror-Dispersion-Controlled Mode-Locked Ti:Al2O3Laser. Japanese Journal of Applied Physics, 2006, 45, 5051-5062.	1.5	6
167	Improved Frequency Measurement of a One-Dimensional Optical Lattice Clock with a Spin-Polarized Fermionic87Sr Isotope. Journal of the Physical Society of Japan, 2006, 75, 104302.	1.6	110
168	Displacement metrology setup with sub-pm stability in air utilizing a fs-comb based wavelength synthesizer. , 2006, , .		0
169	A light source for the ¹S<inf>0</inf>-³P<inf>0</inf> optical clock transition in ytterbium. , 2006, , .		0
170	Absolute frequency measurement of optical lattice clock. The Review of Laser Engineering, 2006, 34, 5-6.	0.0	0
171	Phase-shifting laser diode interferometry with equal phase steps using a Fabry-Perot cavity. , 2005, , .		0
172	An optical lattice clock. Nature, 2005, 435, 321-324.	27.8	688
173	Stability Degradation Factors Evaluated by Phase Noise Measurement in an Optical-Microwave Frequency Link Using an Optical Frequency Comb. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 763-766.	4.7	10
174	Absolute frequency measurement of an acetylene-stabilized laser at 1542 nm without carrier-envelope offset frequency control. , 2005, , .		0
175	Phase-shifting interferometry with equal phase steps by use of a frequency-tunable diode laser and a Fabryâ€“Perot cavity. Applied Optics, 2005, 44, 5403.	2.1	22
176	Frequency measurement of acetylene-stabilized lasers using a femtosecond optical comb without carrier-envelope offset frequency control. Optics Express, 2005, 13, 1958.	3.4	33
177	Frequency measurement of a Sr lattice clock using an SI-second-referenced optical frequency comb linked by a global positioning system (GPS). Optics Express, 2005, 13, 5253.	3.4	20
178	Phase-locked widely tunable optical single-frequency generator based on a femtosecond comb. Optics Letters, 2005, 30, 2323.	3.3	69
179	An accurate optical frequency measurement system using an optical frequency comb and an acetylene-stabilized laser. , 2005, , .		1
180	SIMULATE ION TRAPS WITH NEUTRAL ATOMS: STARK ATOM CHIP AND OPTICAL LATTICE CLOCK. , 2005, , .		0

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181	Accurate Frequency Atlas of 1.5 Â¿m Band of Acetylene Measured by a Mode-Locked Fiber Laser. , 2004, , .		2
182	Rubidium-stabilized diode laser for high-precision interferometer. Optical Engineering, 2004, 43, 900.	1.0	15
183	Frequency reproducibility of an iodine-stabilized Nd:YAG laser at 532 nm. Optics Communications, 2004, 235, 377-385.	2.1	49
184	Optical Frequency Measurements and Standards at Near Infrared. , 2004, , .		0
185	Frequency measurements and hyperfine structure of the R(85)33â€“0 transition of molecular iodine with a femtosecond optical comb. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 88.	2.1	21
186	Frequency stabilization of a 1319-nm Nd:YAG laser by saturation spectroscopy of molecular iodine. Optics Letters, 2004, 29, 1733.	3.3	17
187	Frequency metrology with a turnkey all-fiber system. Optics Letters, 2004, 29, 2467.	3.3	191
188	Phase locking of a continuous-wave optical parametric oscillator to an optical frequency comb for optical frequency synthesis. IEEE Journal of Quantum Electronics, 2004, 40, 929-936.	1.9	18
189	Results from international comparisons at the bipm providing a world-wide reference network of /sup 127/ I/sub 2/ stabilized frequency-doubled nd:yag lasers. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 236-239.	4.7	12
190	Comparison of independent optical frequency measurements using a portable iodine-stabilized nd:yag laser. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 240-244.	4.7	16
191	Broad-spectrum frequency comb generation and carrier-envelope offset frequency measurement by second-harmonic generation of a mode-locked fiber laser. Optics Letters, 2003, 28, 1516.	3.3	92
192	Absolute frequency measurement of an acetylene-stabilized laser at 1542 nm. Optics Letters, 2003, 28, 2324.	3.3	64
193	Broad-spectrum frequency comb generation and carrier-envelope offset frequency measurement using the second harmonic generation of a mode-locked fiber laser. , 2003, , .		0
194	Compact I2-Stabilized Frequency-Doubled Nd:YAG Laser for Long Gauge Block Interferometer. Japanese Journal of Applied Physics, 2003, 42, 2867-2871.	1.5	21
195	OPTICAL FREQUENCY MEASUREMENT USING AN ULTRAFAST MODE-LOCKED LASER AT NMIJ/AIST. , 2002, , .		10
196	OPTICAL FREQUENCY STANDARD AT 1.5 Âμm BASED ON DOPPLER-FREE ACETYLENE ABSORPTION. , 2002, , .		11
197	Vibration dependence of the tensor spinâ€“spin and scalar spinâ€“spin hyperfine interactions by precision measurement of hyperfine structures of ^127I_2 near 532 nm. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 946.	2.1	21
198	Hyperfine structure and absolute frequency determination of the R(121)35-0 and P(142)37-0 transitions of near 532 nm. Optics Communications, 2002, 212, 89-95.	2.1	11

#	Article	IF	Citations
199	Rotation dependence of electric quadrupole hyperfine interaction in the ground state of molecular iodine by high-resolution laser spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 379.	2.1	46
200	Rotation dependence of the excited-state electric quadrupole hyperfine interaction by high-resolution laser spectroscopy of ^127I_2. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1416.	2.1	21
201	Gauge block interferometer using three frequency-stabilized lasers. , 2001, 4401, 288.		12
202	Frequency control of a chirped-mirror-dispersion-controlled mode-locked Ti:Al 2 O 3 laser for comparison between microwave and optical frequencies. , 2001, , .		5
203	Frequency reproducibility of I 2 -stabilized Nd:YAG lasers. , 2001, , .		8
204	Accurate frequency atlas of molecular iodine near 532 nm measured by an optical frequency comb generator. Optics Communications, 2001, 200, 209-215.	2.1	23
205	Portable I/sub 2/-stabilized Nd:YAG laser for international comparisons. IEEE Transactions on Instrumentation and Measurement, 2001, 50, 486-489.	4.7	48
206	International comparison of127I2-stabilized frequency-doubled Nd:YAG lasers between the BIPM, the NRLM and the BNM-INM, October 2000. Metrologia, 2001, 38, 567-572.	1.2	16
207	International comparisons of He-Ne lasers stabilized with127I2at Â = 633 nm (July 1997). Part VIII: Comparison of NIM (China), NRLM (Japan), KRISS (Republic of Korea) and BIPM lasers at Â = 633 nm. Metrologia, 2001, 38, 181-186.	1.2	9
208	Optical frequency link between an acetylene stabilized laser at 1542 nm and an Rb stabilized laser at 778 nm using a two-color mode-locked fiber laser. Optics Communications, 2000, 183, 181-187.	2.1	55
209	Hyperfine structures of the R(122)35-0 and P(84)33-0 transitions of near 532 nm. Optics Communications, 2000, 183, 101-108.	2.1	31
210	Modulation-Free Saturated Dispersion Spectroscopy of I2Using a Common-Path Two-Colour Interferometer with a Nd:YAG Laser. Japanese Journal of Applied Physics, 2000, 39, 1918-1919.	1.5	2
211	Collisional Quenching Rates by He, N2and CH4for the 4D3/2State in SrII. Japanese Journal of Applied Physics, 1999, 38, 3747-3748.	1.5	0
212	Frequency comparison of /sup 127/I/sub 2/-stabilized Nd:YAG lasers. IEEE Transactions on Instrumentation and Measurement, 1999, 48, 532-536.	4.7	37
213	Stabilization and frequency measurement of the I/sub 2/-stabilized Nd:YAG laser. IEEE Transactions on Instrumentation and Measurement, 1999, 48, 583-586.	4.7	130
214	Determination of Collisional Quenching Rate for the 4D3/2State in SrII. Japanese Journal of Applied Physics, 1998, 37, 5767-5771.	1.5	1
215	Nonlinear optics to measure the frequency of iodine-stabilized Nd:YAG. , 1998, , .		0
216	<title>Portable I2-stabilized Nd:YAG laser for wavelength standards at 532 nm and 1064 nm</title>. , 1998, , .		11

#	Article	IF	Citations
217	A CompactI2-Stabilized 532 nm Nd:YAG Laser. Japanese Journal of Applied Physics, 1997, 36, 4333-4334.	1.5	6
218	Inverted fine structure in highly excited2FRydberg states of indium. Physical Review A, 1995, 51, 1994-1998.	2.5	2
219	Laser and Microwave Study of Fine and Hyperfine Structures in High Rydbeg States of Indium. Japanese Journal of Applied Physics, 1994, 33, 1696-1700.	1.5	1
220	Instability in a CO_2 sequence-band laser with a saturable absorber and vibration-to-vibration energy transfer processes. Journal of the Optical Society of America B: Optical Physics, 1993, 10, 265.	2.1	1
221	Laser instability as a method to study relaxation processes among highly excited vibrational levels. , 1992, , .		0
222	Observation of instabilities in hot-band oscillation of a CO_2 laser with a saturable absorber. Journal of the Optical Society of America B: Optical Physics, 1992, 9, 1305.	2.1	3
223	Instability and chaos in two-mode oscillation of aCO2laser modulated by a saturable absorber. Physical Review A, 1991, 43, 1498-1501.	2.5	13
224	Chaotic passive Q-switching pulsation in a N_2O laser with a saturable absorber. Journal of the Optical Society of America B: Optical Physics, 1989, 6, 1378.	2.1	9
225	Passive Q-switching instability and bistability of a N_2O laser with intracavity saturable absorber. Journal of the Optical Society of America B: Optical Physics, 1988, 5, 2315.	2.1	6
226	Deterministic Chaos in PassiveQ-Switching Pulsation of a CO2Laser with Saturable Absorber. Physical Review Letters, 1988, 61, 1042-1042.	7.8	3
227	Deterministic Chaos in PassiveQ-Switching Pulsation of a CO2Laser with Saturable Absorber. Physical Review Letters, 1988, 60, 2266-2268.	7.8	73
228	FIRST OBSERVATION OF DETERMINISTIC CHAOS IN PASSIVE Q-SWITCHING PULSATION. Journal De Physique Colloque, 1988, 49, C2-413-C2-416.	0.2	0
229	Frequency comparison of /sup 127/I/sub 2/-stabilized Nd:YAG lasers. , 0, , .		0
230	Frequency uncertainty of I/sub 2/-stabilized Nd:YAG lasers. , 0, , .		0
231	Extension of frequency atlas of molecular iodine at 532 nm. , 0, , .		2
232	Optical frequency measurement by a one-octave optical frequency comb generated by an ultra-fast mode-locked laser and a photonic-crystal fiber. , 0, , .		0
233	An arbitrary optical single-frequency generator based on a femtosecond frequency comb. , 0, , .		1
234	Optical lattice clock. , 0, , .		0

#	Article	IF	Citations
235	Absolute frequency measurement of an acetylene-stabilized laser at 1542 nm. , 0, , .		0
236	One-Dimensional Optical Lattice Clock with a Fermionic¹⁷¹Yb Isotope. Applied Physics Express, 0, 2, 072501.	2.4	91