Jun Ye

List of Publications by Citations

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376 papers	33,367 citations	96 h-index	171 g-index
449 ext. papers	40,490 ext. citations	8.7 avg, IF	7.23 L-index

#	Paper	IF	Citations
376	A high phase-space-density gas of polar molecules. *Science*, **2008**, 322, 231-5	33.3	1364
375	Optical atomic clocks. *Reviews of Modern Physics*, **2015**, 87, 637-701	40.5	867
374	Cold and ultracold molecules: science, technology and applications. *New Journal of Physics*, **2009**, 11, 055049	2.9	860
373	Direct link between microwave and optical frequencies with a 300 THz femtosecond laser comb. *Physical Review Letters*, **2000**, 84, 5102-5	7.4	789
372	Dark Matter Search Results from a One Ton-Year Exposure of XENON1T. *Physical Review Letters*, **2018**, 121, 111302	7.4	740
371	Colloquium: Femtosecond optical frequency combs. *Reviews of Modern Physics*, **2003**, 75, 325-342	40.5	709
370	Quantum-state controlled chemical reactions of ultracold potassium-rubidium molecules. *Science*, **2010**, 327, 853-7	33.3	673
369	An optical lattice clock with accuracy and stability at the 10(-18) level. *Nature*, **2014**, 506, 71-5	50.4	637
368	Observation of dipolar spin-exchange interactions with lattice-confined polar molecules. *Nature*, **2013**, 501, 521-5	50.4	508
367	First Dark Matter Search Results from the XENON1T Experiment. *Physical Review Letters*, **2017**, 119, 181301	7.4	485
366	Two-orbital S U(N) magnetism with ultracold alkaline-earth atoms. *Nature Physics*, **2010**, 6, 289-295	16.2	457
365	Dipolar collisions of polar molecules in the quantum regime. *Nature*, **2010**, 464, 1324-8	50.4	426
364	Systematic evaluation of an atomic clock at 2 □0(-18) total uncertainty. *Nature Communications*, **2015**, 6, 6896	17.4	421
363	A sub-40-mHz-linewidth laser based on a silicon single-crystal optical cavity. *Nature Photonics*, **2012**, 6, 687-692	33.9	402
362	Sr lattice clock at 1 x 10(-16) fractional uncertainty by remote optical evaluation with a Ca clock. *Science*, **2008**, 319, 1805-8	33.3	401
361	Cavity opto-mechanics using an optically levitated nanosphere. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1005-10	11.5	381
360	Controlling the quantum stereodynamics of ultracold bimolecular reactions. *Nature Physics*, **2011**, 7, 502-507	16.2	349

359	Broadband cavity ringdown spectroscopy for sensitive and rapid molecular detection. *Science*, **2006**, 311, 1595-9	33.3	343
358	Delivering the same optical frequency at two places: accurate cancellation of phase noise introduced by an optical fiber or other time-varying path. *Optics Letters*, **1994**, 19, 1777-9	3	328
357	Ultrasensitive detections in atomic and molecular physics: demonstration in molecular overtone spectroscopy. *Journal of the Optical Society of America B: Optical Physics*, **1998**, 15, 6	1.7	303
356	Phase-coherent frequency combs in the vacuum ultraviolet via high-harmonic generation inside a femtosecond enhancement cavity. *Physical Review Letters*, **2005**, 94, 193201	7.4	288
355	Trapping of Single Atoms in Cavity QED. *Physical Review Letters*, **1999**, 83, 4987-4990	7.4	286
354	Quantum state engineering and precision metrology using state-insensitive light traps. *Science*, **2008**, 320, 1734-8	33.3	285
353	Direct frequency comb spectroscopy in the extreme ultraviolet. *Nature*, **2012**, 482, 68-71	50.4	280
352	2D Magneto-optical trapping of diatomic molecules. *Physical Review Letters*, **2013**, 110, 143001	7.4	276
351	Cold molecule spectroscopy for constraining the evolution of the fine structure constant. *Physical Review Letters*, **2006**, 96, 143004	7.4	276
350	A quantum network of clocks. *Nature Physics*, **2014**, 10, 582-587	16.2	260
349	Efficient state transfer in an ultracold dense gas of heteronuclear molecules. *Nature Physics*, **2008**, 4, 622-626	16.2	238
348	Compact, thermal-noise-limited optical cavity for diode laser stabilization at 1x10(-15). *Optics Letters*, **2007**, 32, 641-3	3	234
347	Cavity-enhanced optical frequency comb spectroscopy: application to human breath analysis. *Optics Express*, **2008**, 16, 2387-97	3.3	231
346	Absolute measurement of a long, arbitrary distance to less than an optical fringe. *Optics Letters*, **2004**, 29, 1153-5	3	230
345	Quantum simulation. Spectroscopic observation of SU(N)-symmetric interactions in Sr orbital magnetism. *Science*, **2014**, 345, 1467-73	33.3	229
344	Remote transfer of ultrastable frequency references via fiber networks. *Review of Scientific Instruments*, **2007**, 78, 021101	1.7	223
343	New limits on coupling of fundamental constants to gravity using 87Sr optical lattice clocks. *Physical Review Letters*, **2008**, 100, 140801	7.4	217
342	Precision test of mass-ratio variations with lattice-confined ultracold molecules. *Physical Review Letters*, **2008**, 100, 043201	7.4	207

341	Phase-stabilized, 1.5 W frequency comb at 2.8-4.8 microm. *Optics Letters*, **2009**, 34, 1330-2	3	206
340	Precision Measurement of the Electron Electric Dipole Moment Using Trapped Molecular Ions. *Physical Review Letters*, **2017**, 119, 153001	7.4	202
339	Tenfold reduction of Brownian noise in high-reflectivity optical coatings. *Nature Photonics*, **2013**, 7, 644-650	33.9	202
338	United time-frequency spectroscopy for dynamics and global structure. *Science*, **2004**, 306, 2063-8	33.3	199
337	Controlling the hyperfine state of rovibronic ground-state polar molecules. *Physical Review Letters*, **2010**, 104, 030402	7.4	197
336	Tunable superfluidity and quantum magnetism with ultracold polar molecules. *Physical Review Letters*, **2011**, 107, 115301	7.4	194
335	Prospects for a millihertz-linewidth laser. *Physical Review Letters*, **2009**, 102, 163601	7.4	194
334	Cold molecules: Progress in quantum engineering of chemistry and quantum matter. *Science*, **2017**, 357, 1002-1010	33.3	192
333	1.5 μm Lasers with Sub-10 mHz Linewidth. *Physical Review Letters*, **2017**, 118, 263202	7.4	192
332	A Fermi-degenerate three-dimensional optical lattice clock. *Science*, **2017**, 358, 90-94	33.3	182
331	Hyperfine structure and absolute frequency of the (87)Rb 5P(3/2) state. *Optics Letters*, **1996**, 21, 1280-2	3	182
330	Long-lived dipolar molecules and Feshbach molecules in a 3D optical lattice. *Physical Review Letters*, **2012**, 108, 080405	7.4	180
329	Optical frequency comb with submillihertz linewidth and more than 10 W average power. *Nature Photonics*, **2008**, 2, 355-359	33.9	180
328	Quantum computing with alkaline-Earth-metal atoms. *Physical Review Letters*, **2008**, 101, 170504	7.4	179
327	Phase-coherent optical pulse synthesis from separate femtosecond lasers. *Science*, **2001**, 293, 1286-9	33.3	176
326	Mid-infrared Fourier transform spectroscopy with a broadband frequency comb. *Optics Express*, **2010**, 18, 21861-72	3.3	173
325	Optical frequency synthesis based on mode-locked lasers. *Review of Scientific Instruments*, **2001**, 72, 3749-3771	1.7	166
324	Strong coupling of a mechanical oscillator and a single atom. *Physical Review Letters*, **2009**, 103, 063005	7.4	164

323	Cavity-enhanced direct frequency comb spectroscopy: technology and applications. *Annual Review of Analytical Chemistry*, **2010**, 3, 175-205	12.5	159
322	Characterization of high-finesse mirrors: Loss, phase shifts, and mode structure in an optical cavity. *Physical Review A*, **2001**, 64,	2.6	155
321	Simple and compact 1-Hz laser system via an improved mounting configuration of a reference cavity. *Optics Letters*, **2005**, 30, 1815-7	3	152
320	Light Dark Matter Search with Ionization Signals in XENON1T. *Physical Review Letters*, **2019**, 123, 251801	7.4	147
319	Demonstration of 4.8 □10□17 stability at 1 s for two independent optical clocks. *Nature Photonics*, **2019**, 13, 714-719	33.9	143
318	Ultrasensitive frequency-modulation spectroscopy enhanced by a high-finesse optical cavity: theory and application to overtone transitions of C_2H_2 and C_2HD. *Journal of the Optical Society of America B: Optical Physics*, **1999**, 16, 2255	1.7	143
317	Gravitational wave detection with optical lattice atomic clocks. *Physical Review D*, **2016**, 94,	4.9	143
316	Evaporative cooling of the dipolar hydroxyl radical. *Nature*, **2012**, 492, 396-400	50.4	142
315	Spin-orbit-coupled fermions in an optical lattice clock. *Nature*, **2017**, 542, 66-70	50.4	139
314	Realizing fractional Chern insulators in dipolar spin systems. *Physical Review Letters*, **2013**, 110, 185302	7.4	138
313	Vacuum-ultraviolet frequency combs from below-threshold harmonics. *Nature Physics*, **2009**, 5, 815-820	16.2	137
312	High-sensitivity coherent anti-Stokes Raman scattering microscopy with two tightly synchronized picosecond lasers. *Optics Letters*, **2002**, 27, 1168-70	3	137
311	Phase space manipulation of cold free radical OH molecules. *Physical Review Letters*, **2003**, 91, 243001	7.4	135
310	Magnetoelectrostatic trapping of ground state OH molecules. *Physical Review Letters*, **2007**, 98, 253002	7.4	131
309	Comparison of two independent Sr optical clocks with 1□10(-17) stability at 10(3) s. *Physical Review Letters*, **2012**, 109, 230801	7.4	130
308	87Sr lattice clock with inaccuracy below 10 -15. *Physical Review Letters*, **2007**, 98, 083002	7.4	129
307	Excess electronic recoil events in XENON1T. *Physical Review D*, **2020**, 102,	4.9	128
306	Delivery of high-stability optical and microwave frequency standards over an optical fiber network. *Journal of the Optical Society of America B: Optical Physics*, **2003**, 20, 1459	1.7	127

305	Systematic study of the 87Srclock transition in an optical lattice. *Physical Review Letters*, **2006**, 96, 033003	7.4	126
304	Creation of a low-entropy quantum gas of polar molecules in an optical lattice. *Science*, **2015**, 350, 659-62	33.3	125
303	Magneto-optical trap for polar molecules. *Physical Review Letters*, **2008**, 101, 243002	7.4	124
302	Radio Frequency Magneto-Optical Trapping of CaF with High Density. *Physical Review Letters*, **2017**, 119, 103201	7.4	123
301	Cavity-enhanced direct frequency comb spectroscopy. *Applied Physics B: Lasers and Optics*, **2008**, 91, 397-414	1.9	122
300	Optical frequency combs: from frequency metrology to optical phase control. *IEEE Journal of Selected Topics in Quantum Electronics*, **2003**, 9, 1041-1058	3.8	120
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298	A quantum many-body spin system in an optical lattice clock. *Science*, **2013**, 341, 632-6	33.3	119
297	Many-body dynamics of dipolar molecules in an optical lattice. *Physical Review Letters*, **2014**, 113, 195302	7.4	119
296	Alkaline-earth-metal atoms as few-qubit quantum registers. *Physical Review Letters*, **2009**, 102, 110503	7.4	116
295	Suppression of collisional shifts in a strongly interacting lattice clock. *Science*, **2011**, 331, 1043-6	33.3	115
294	The absolute frequency of the87Sr optical clock transition. *Metrologia*, **2008**, 45, 539-548	2.1	114
293	Optical atomic coherence at the 1-second time scale. *Science*, **2006**, 314, 1430-3	33.3	114
292	Collective atomic scattering and motional effects in a dense coherent medium. *Nature Communications*, **2016**, 7, 11039	17.4	113
291	New frontiers for quantum gases of polar molecules. *Nature Physics*, **2017**, 13, 13-20	16.2	112
290	A degenerate Fermi gas of polar molecules. *Science*, **2019**, 363, 853-856	33.3	110
289	Quantum-noise-limited optical frequency comb spectroscopy. *Physical Review Letters*, **2011**, 107, 233002	7.4	107
288	Stabilization and frequency measurement of the I/sub 2/-stabilized Nd:YAG laser. *IEEE Transactions on Instrumentation and Measurement*, **1999**, 48, 583-586	5.2	103

287	Production of cold formaldehyde molecules for study and control of chemical reaction dynamics with hydroxyl radicals. *Physical Review A*, **2006**, 73,	2.6	102
286	Nuclear spin effects in optical lattice clocks. *Physical Review A*, **2007**, 76,	2.6	102
285	Cavity-enhanced optical frequency comb spectroscopy in the mid-infrared application to trace detection of hydrogen peroxide. *Applied Physics B: Lasers and Optics*, **2013**, 110, 163-175	1.9	101
284	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	101
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282	Measurement of optical Feshbach resonances in an ideal gas. *Physical Review Letters*, **2011**, 107, 073202	7.4	96
281	Molecular beam collisions with a magnetically trapped target. *Physical Review Letters*, **2008**, 101, 203203	7.4	96
280	Rabi spectroscopy and excitation inhomogeneity in a one-dimensional optical lattice clock. *Physical Review A*, **2009**, 80,	2.6	94
279	Coherent optical phase transfer over a 32-km fiber with 1 s instability at 10{-17}. *Physical Review Letters*, **2007**, 99, 153601	7.4	94
278	High-accuracy optical clock via three-level coherence in neutral bosonic 88Sr. *Physical Review Letters*, **2005**, 94, 173002	7.4	93
277	3D Magneto-Optical Trap of Yttrium Monoxide. *Physical Review Letters*, **2018**, 121, 213201	7.4	92
276	Ultracold polar molecules near quantum degeneracy. *Faraday Discussions*, **2009**, 142, 351-9; discussion 429-61	3.6	91
275	Collisional stability of fermionic Feshbach molecules. *Physical Review Letters*, **2008**, 100, 143201	7.4	91
274	Absolute frequency atlas of molecular I/sub 2/ lines at 532 nm. *IEEE Transactions on Instrumentation and Measurement*, **1999**, 48, 544-549	5.2	91
273	Reduction of residual amplitude modulation to 1 □10?□for frequency modulation and laser stabilization. *Optics Letters*, **2014**, 39, 1980-3	3	90
272	Full observation of single-atom dynamics in cavity QED. *Applied Physics B: Lasers and Optics*, **1999**, 68, 1095-1108	1.9	90
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270	Constraining the Spin-Dependent WIMP-Nucleon Cross Sections with XENON1T. *Physical Review Letters*, **2019**, 122, 141301	7.4	87

269	Mid-Infrared Time-Resolved Frequency Comb Spectroscopy of Transient Free Radicals. *Journal of Physical Chemistry Letters*, **2014**, 5, 2241-6	6.4	87
268	Single-atom cavity QED and optomicromechanics. *Physical Review A*, **2010**, 81,	2.6	87
267	Mode-locked fiber laser frequency-controlled with an intracavity electro-optic modulator. *Optics Letters*, **2005**, 30, 2948-50	3	86
266	Continuously tunable, precise, single frequency optical signal generator. *Optics Express*, **2002**, 10, 515-20	3.3	84
265	Precision spectroscopy of polarized molecules in an ion trap. *Science*, **2013**, 342, 1220-2	33.3	83
264	Femtosecond pulse amplification by coherent addition in a passive optical cavity. *Optics Letters*, **2002**, 27, 1848-50	3	82
263	Probing interactions between ultracold fermions. *Science*, **2009**, 324, 360-3	33.3	81
262	Narrow line photoassociation in an optical lattice. *Physical Review Letters*, **2006**, 96, 203201	7.4	81
261	Cooling and trapping of atomic strontium. *Journal of the Optical Society of America B: Optical Physics*, **2003**, 20, 968	1.7	81
260	High-performance near- and mid-infrared crystalline coatings. *Optica*, **2016**, 3, 647	8.6	81
259	Synthetic Spin-Orbit Coupling in an Optical Lattice Clock. *Physical Review Letters*, **2016**, 116, 035301	7.4	80
258	Vibration-induced elastic deformation of Fabry-Perot cavities. *Physical Review A*, **2006**, 74,	2.6	80
257	Sub-Doppler optical frequency reference at 1.064 microm by means of ultrasensitive cavity-enhanced frequency modulation spectroscopy of a C(2)HD overtone transition. *Optics Letters* , **1996**, 21, 1000-2	3	79
256	Suppressing the loss of ultracold molecules via the continuous quantum Zeno effect. *Physical Review Letters*, **2014**, 112, 070404	7.4	78
255	Efficient output coupling of intracavity high-harmonic generation. *Optics Letters*, **2008**, 33, 1099-101	3	78
254	Heteronuclear molecules in an optical dipole trap. *Physical Review A*, **2008**, 78,	2.6	78
253	Contribution of thermal noise to frequency stability of rigid optical cavity via Hertz-linewidth lasers. *Physical Review A*, **2006**, 73,	2.6	78
252	Gas-phase broadband spectroscopy using active sources: progress, status, and applications. *Journal of the Optical Society of America B: Optical Physics*, **2017**, 34, 104-129	1.7	77

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250	Continuous probing of cold complex molecules with infrared frequency comb spectroscopy. *Nature*, **2016**, 533, 517-20	50.4	74
249	Imaging Optical Frequencies with 100 □Hz Precision and 1.1 □m Resolution. *Physical Review Letters* , **2018**, 120, 103201	7.4	72
248	Cold state-selected molecular collisions and reactions. *Annual Review of Physical Chemistry*, **2014**, 65, 501-18	15.7	72
247	Direct frequency comb measurements of absolute optical frequencies and population transfer dynamics. *Physical Review Letters*, **2005**, 95, 023001	7.4	72
246	Simple piezoelectric-actuated mirror with 180 kHz servo bandwidth. *Optics Express*, **2010**, 18, 9739-46	3.3	71
245	Mid-infrared virtually imaged phased array spectrometer for rapid and broadband trace gas detection. *Optics Letters*, **2012**, 37, 3285-7	3	71
244	JILA SrI optical lattice clock with uncertainty of $2.0 times 10^{-18}$. *Metrologia*, **2019**, 56, 065004	2.1	70
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242	Chemical Imaging of Photoresists with Coherent Anti-Stokes Raman Scattering (CARS) Microscopy. *Journal of Physical Chemistry B*, **2004**, 108, 1296-1301	3.4	70
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237	Long-term carrier-envelope phase coherence. *Optics Letters*, **2002**, 27, 1436-8	3	69
236	Cavity-ringdown molecular spectroscopy based on an optical frequency comb at 1.45-1.65 microm. *Optics Letters*, **2007**, 32, 307-9	3	67
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234	Heisenberg-limited atom clocks based on entangled qubits. *Physical Review Letters*, **2014**, 112, 190403	7.4	66

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232	Prospects for the cavity-assisted laser cooling of molecules. *Physical Review A*, **2008**, 77,	2.6	65
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230	Accuracy comparison of absolute optical frequency measurement between harmonic-generation synthesis and a frequency-division femtosecond comb. *Physical Review Letters*, **2000**, 85, 3797-800	7.4	64
229	Rotational State Microwave Mixing for Laser Cooling of Complex Diatomic Molecules. *Physical Review Letters*, **2015**, 114, 223003	7.4	63
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227	Extreme ultraviolet radiation with coherence time greater than 1´s. *Nature Photonics*, **2014**, 8, 530-536	33.9	61
226	Control of four-level quantum coherence via discrete spectral shaping of an optical frequency comb. *Physical Review Letters*, **2008**, 100, 203001	7.4	61
225	OH hyperfine ground state: From precision measurement to molecular qubits. *Physical Review A*, **2006**, 74,	2.6	61
224	Cavity-enhanced similariton Yb-fiber laser frequency comb: 3 x 10(14) W/cm2 peak intensity at 136 MHz. *Optics Letters*, **2007**, 32, 2870-2	3	61
223	Narrow line cooling and momentum-space crystals. *Physical Review A*, **2004**, 70,	2.6	60
222	Optical frequency comb spectroscopy. *Faraday Discussions*, **2011**, 150, 23	3.6	59
221	Control of the frequency comb from a modelocked Erbium-doped fiber laser. *Optics Express*, **2002**, 10, 1404-10	3.3	59
220	Laser slowing of CaF molecules to near the capture velocity of a molecular MOT. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **2016**, 49, 174001	1.3	59
219	High resolution atomic coherent control via spectral phase manipulation of an optical frequency comb. *Physical Review Letters*, **2006**, 96, 153001	7.4	58
218	Sub-10-femtosecond active synchronization of two passively mode-locked Ti:sapphire oscillators. *Physical Review A*, **2001**, 64,	2.6	57
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216	Crystalline optical cavity at 4 K with thermal-noise-limited instability and ultralow drift. *Optica*, **2019**, 6, 240	8.6	57

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214	Precision phase control of an ultrawide-bandwidth femtosecond laser: a network of ultrastable frequency marks across the visible spectrum. *Optics Letters*, **2000**, 25, 1675-7	3	54
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212	Piecewise adiabatic population transfer in a molecule via a wave packet. *Physical Review Letters*, **2008**, 101, 023601	7.4	53
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210	A dipolar gas of ultracold molecules. *Physical Chemistry Chemical Physics*, **2009**, 11, 9626-39	3.6	52
209	Output coupling methods for cavity-based high-harmonic generation. *Optics Express*, **2006**, 14, 8189-97	3.3	52
208	. *IEEE Transactions on Instrumentation and Measurement*, **1995**, 44, 151-154	5.2	52
207	Search for Light Dark Matter Interactions Enhanced by the Migdal Effect or Bremsstrahlung in XENON1T. *Physical Review Letters*, **2019**, 123, 241803	7.4	52
206	Cold free-radical molecules in the laboratory frame. *Physical Review A*, **2004**, 70,	2.6	51
205	Flexible and rapidly configurable femtosecond pulse generation in the mid-IR. *Optics Letters*, **2003**, 28, 370-2	3	51
204	Single-stage sub-Doppler cooling of alkaline earth atoms. *Physical Review Letters*, **2003**, 90, 193002	7.4	51
203	Optical spectrum analyzer with quantum-limited noise floor. *Physical Review Letters*, **2013**, 111, 093604	7.4	50
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201	Precise measurements of optical cavity dispersion and mirror coating properties via femtosecond combs. *Optics Express*, **2005**, 13, 882-8	3.3	50
200	Remote transfer of a high-stability and ultralow-jitter timing signal. *Optics Letters*, **2005**, 30, 1225-7	3	50
199	Controlling dipole-dipole frequency shifts in a lattice-based optical atomic clock. *Physical Review A*, **2004**, 69,	2.6	50
198	Demonstration of a HeNe/CH4-based optical molecular clock. *Optics Letters*, **2005**, 30, 570-2	3	49

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195	Ultrasensitive spectroscopy, the ultrastable lasers, the ultrafast lasers, and the seriously nonlinear fiber: a new alliance for physics and metrology. *IEEE Journal of Quantum Electronics*, **2001**, 37, 1482-1492	2	48
194	Ultrastable laser with average fractional frequency drift rate below 5 □10?□□/s. *Optics Letters*, **2014**, 39, 5102-5	3	47
193	Determination of Sr properties for a high-accuracy optical clock. *Physical Review A*, **2008**, 78,	2.6	47
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191	Quantum Simulators: Architectures and Opportunities. *PRX Quantum*, **2021**, 2,	6.1	47
190	Photoassociation adiabatic passage of ultracold Rb atoms to form ultracold Rb2 molecules. *Physical Review A*, **2007**, 75,	2.6	46
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187	Seconds-scale coherence on an optical clock transition in a tweezer array. *Science*, **2019**, 366, 93-97	33.3	43
186	Ultrastable Silicon Cavity in a Continuously Operating Closed-Cycle Cryostat at 4˝K. *Physical Review Letters*, **2017**, 119, 243601	7.4	43
185	Probing many-body interactions in an optical lattice clock. *Annals of Physics*, **2014**, 340, 311-351	2.5	43
184	Highly selective terahertz optical frequency comb generator. *Optics Letters*, **1997**, 22, 301-3	3	43
183	Cavity ringdown heterodyne spectroscopy: High sensitivity with microwatt light power. *Physical Review A*, **2000**, 61,	2.6	42
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181	Broadband velocity modulation spectroscopy of HfF+: Towards a measurement of the electron electric dipole moment. *Chemical Physics Letters*, **2012**, 546, 1-11	2.5	41
180	Precise frequency transfer through a fiber network by use of 1.5-microm mode-locked sources. *Optics Letters*, **2004**, 29, 1554-6	3	41

179	Cancellation of stark shifts in optical lattice clocks by use of pulsed Raman and electromagnetically induced transparency techniques. *Physical Review Letters*, **2006**, 97, 233001	7.4	40
178	Search for Electronic Recoil Event Rate Modulation with 4 Years of XENON100 Data. *Physical Review Letters*, **2017**, 118, 101101	7.4	39
177	Prospects for precision measurements of atomic helium using direct frequency comb spectroscopy. *European Physical Journal D*, **2008**, 48, 43-55	1.3	39
176	Efficient Stark deceleration of cold polar molecules. *European Physical Journal D*, **2004**, 31, 351-358	1.3	38
175	Dynamics in a two-level atom magneto-optical trap. *Physical Review A*, **2002**, 66,	2.6	38
174	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	1.7	38
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