

# Jun Ye

## List of Publications by Year in descending order

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440  
papers

45,419  
citations

1371

108  
h-index

2178

202  
g-index

449  
all docs

449  
docs citations

449  
times ranked

20047  
citing authors

#	ARTICLE	IF	CITATIONS
1	A High Phase-Space-Density Gas of Polar Molecules. <i>Science</i> , 2008, 322, 231-235.	12.6	1,570
2	Dark Matter Search Results from a One Ton-Year Exposure of XENON1T. <i>Physical Review Letters</i> , 2018, 121, 111302.	7.8	1,517
3	Optical atomic clocks. <i>Reviews of Modern Physics</i> , 2015, 87, 637-701.	45.6	1,421
4	Cold and ultracold molecules: science, technology and applications. <i>New Journal of Physics</i> , 2009, 11, 055049.	2.9	1,060
5	Direct Link between Microwave and Optical Frequencies with a 300 THz Femtosecond Laser Comb. <i>Physical Review Letters</i> , 2000, 84, 5102-5105.	7.8	1,030
6	Colloquium: Femtosecond optical frequency combs. <i>Reviews of Modern Physics</i> , 2003, 75, 325-342.	45.6	913
7	An optical lattice clock with accuracy and stability at the $10^{-18}$ level. <i>Nature</i> , 2014, 506, 71-75.	27.8	822
8	Quantum-State Controlled Chemical Reactions of Ultracold Potassium-Rubidium Molecules. <i>Science</i> , 2010, 327, 853-857.	12.6	775
9	First Dark Matter Search Results from the XENON1T Experiment. <i>Physical Review Letters</i> , 2017, 119, 181301.	7.8	757
10	Observation of dipolar spin-exchange interactions with lattice-confined polar molecules. <i>Nature</i> , 2013, 501, 521-525.	27.8	671
11	Systematic evaluation of an atomic clock at $2 \text{ \AA}^{-1}$ — $10^{-18}$ total uncertainty. <i>Nature Communications</i> , 2015, 6, 6896.	12.8	584
12	Two-orbital $SU(N)$ magnetism with ultracold alkaline-earth atoms. <i>Nature Physics</i> , 2010, 6, 289-295.	16.7	572
13	A sub-40-mHz-linewidth laser based on a silicon single-crystal optical cavity. <i>Nature Photonics</i> , 2012, 6, 687-692.	31.4	571
14	Sr Lattice Clock at $1 \text{ \AA}^{-1}$ — $10^{-16}$ Fractional Uncertainty by Remote Optical Evaluation with a Ca Clock. <i>Science</i> , 2008, 319, 1805-1808.	12.6	500
15	Dipolar collisions of polar molecules in the quantum regime. <i>Nature</i> , 2010, 464, 1324-1328.	27.8	494
16	Cavity opto-mechanics using an optically levitated nanosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1005-1010.	7.1	493
17	Broadband Cavity Ringdown Spectroscopy for Sensitive and Rapid Molecular Detection. <i>Science</i> , 2006, 311, 1595-1599.	12.6	447
18	A quantum network of clocks. <i>Nature Physics</i> , 2014, 10, 582-587.	16.7	435

#	ARTICLE	IF	CITATIONS
19	Delivering the same optical frequency at two places: accurate cancellation of phase noise introduced by an optical fiber or other time-varying path. <i>Optics Letters</i> , 1994, 19, 1777.	3.3	431
20	Phase-Coherent Frequency Combs in the Vacuum Ultraviolet via High-Harmonic Generation inside a Femtosecond Enhancement Cavity. <i>Physical Review Letters</i> , 2005, 94, 193201.	7.8	420
21	Controlling the quantum stereodynamics of ultracold bimolecular reactions. <i>Nature Physics</i> , 2011, 7, 502-507.	16.7	395
22	Direct frequency comb spectroscopy in the extreme ultraviolet. <i>Nature</i> , 2012, 482, 68-71.	27.8	385
23	Ultrasensitive detections in atomic and molecular physics: demonstration in molecular overtone spectroscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 6.	2.1	368
24	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 1.5 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \hat{\epsilon} \langle \text{mml:mtext} \rangle \langle \text{mml:mtext} \rangle \hat{\epsilon} \langle \text{mml:mtext} \rangle \langle \text{mml:mi} \rangle \hat{\Gamma} \langle \text{mml:math} \rangle$ Lasers with Sub-10ÅmHz Linewidth. <i>Physical Review Letters</i> , 2017, 118, 263202.	7.8	359
25	Light Dark Matter Search with Ionization Signals in XENON1T. <i>Physical Review Letters</i> , 2019, 123, 251801.	7.8	344
26	Quantum State Engineering and Precision Metrology Using State-Insensitive Light Traps. <i>Science</i> , 2008, 320, 1734-1738.	12.6	343
27	Trapping of Single Atoms in Cavity QED. <i>Physical Review Letters</i> , 1999, 83, 4987-4990.	7.8	330
28	Remote transfer of ultrastable frequency references via fiber networks. <i>Review of Scientific Instruments</i> , 2007, 78, 021101.	1.3	323
29	2D Magneto-Optical Trapping of Diatomic Molecules. <i>Physical Review Letters</i> , 2013, 110, 143001.	7.8	323
30	Cold molecules: Progress in quantum engineering of chemistry and quantum matter. <i>Science</i> , 2017, 357, 1002-1010.	12.6	320
31	Absolute measurement of a long, arbitrary distance to less than an optical fringe. <i>Optics Letters</i> , 2004, 29, 1153.	3.3	305
32	Excess electronic recoil events in XENON1T. <i>Physical Review D</i> , 2020, 102, .	4.7	302
33	Precision Measurement of the Electron's Electric Dipole Moment Using Trapped Molecular Ions. <i>Physical Review Letters</i> , 2017, 119, 153001.	7.8	298
34	Tenfold reduction of Brownian noise in high-reflectivity optical coatings. <i>Nature Photonics</i> , 2013, 7, 644-650.	31.4	297
35	Cold Molecule Spectroscopy for Constraining the Evolution of the Fine Structure Constant. <i>Physical Review Letters</i> , 2006, 96, 143004.	7.8	295
36	Phase-stabilized, 15 W frequency comb at 28â€“48 Î¼m. <i>Optics Letters</i> , 2009, 34, 1330.	3.3	294

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37	Compact, thermal-noise-limited optical cavity for diode laser stabilization at $1\text{Å}-10^{-15}$ . Optics Letters, 2007, 32, 641.	3.3	291
38	Spectroscopic observation of SU( $N$ )-symmetric interactions in Sr orbital magnetism. Science, 2014, 345, 1467-1473.	12.6	290
39	Demonstration of $4.8 \times 10^{-17}$ stability at $1\text{s}$ for two independent optical clocks. Nature Photonics, 2019, 13, 714-719.	31.4	287
40	Cavity-enhanced optical frequency comb spectroscopy: application to human breath analysis. Optics Express, 2008, 16, 2387.	3.4	286
41	A Fermi-degenerate three-dimensional optical lattice clock. Science, 2017, 358, 90-94.	12.6	283
42	Prospects for a Millihertz-Linewidth Laser. Physical Review Letters, 2009, 102, 163601.	7.8	277
43	New Limits on Coupling of Fundamental Constants to Gravity Using $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mmultiscripts} \langle \text{mml:mi} \rangle \text{Sr} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mn} \rangle 87 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle \text{Optical Lattice Clocks. Physical Review Letters, 2008, 100, 140801} \rangle$	7.8	261
44	Efficient state transfer in an ultracold dense gas of heteronuclear molecules. Nature Physics, 2008, 4, 622-626.	16.7	258
45	Tunable Superfluidity and Quantum Magnetism with Ultracold Polar Molecules. Physical Review Letters, 2011, 107, 115301.	7.8	257
46	United Time-Frequency Spectroscopy for Dynamics and Global Structure. Science, 2004, 306, 2063-2068.	12.6	244
47	Gravitational wave detection with optical lattice atomic clocks. Physical Review D, 2016, 94, .	4.7	242
48	Phase-Coherent Optical Pulse Synthesis from Separate Femtosecond Lasers. Science, 2001, 293, 1286-1289.	12.6	241
49	Precision Test of Mass-Ratio Variations with Lattice-Confined Ultracold Molecules. Physical Review Letters, 2008, 100, 043201.	7.8	239
50	Optical frequency comb with submillihertz linewidth and more than $10\text{ÅW}$ average power. Nature Photonics, 2008, 2, 355-359.	31.4	233
51	Mid-infrared Fourier transform spectroscopy with a broadband frequency comb. Optics Express, 2010, 18, 21861.	3.4	230
52	Quantum Simulators: Architectures and Opportunities. PRX Quantum, 2021, 2, .	9.2	229
53	Controlling the Hyperfine State of Rovibronic Ground-State Polar Molecules. Physical Review Letters, 2010, 104, 030402.	7.8	224
54	Optical frequency synthesis based on mode-locked lasers. Review of Scientific Instruments, 2001, 72, 3749-3771.	1.3	218

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55	Quantum Computing with Alkaline-Earth-Metal Atoms. <i>Physical Review Letters</i> , 2008, 101, 170504.	7.8	218
56	Long-Lived Dipolar Molecules and Feshbach Molecules in a 3D Optical Lattice. <i>Physical Review Letters</i> , 2012, 108, 080405.	7.8	207
57	Hyperfine structure and absolute frequency of the $^{87}\text{Rb}$ $5P_{3/2}$ state. <i>Optics Letters</i> , 1996, 21, 1280.	3.3	206
58	Cavity-Enhanced Direct Frequency Comb Spectroscopy: Technology and Applications. <i>Annual Review of Analytical Chemistry</i> , 2010, 3, 175-205.	5.4	202
59	A degenerate Fermi gas of polar molecules. <i>Science</i> , 2019, 363, 853-856.	12.6	198
60	Simple and compact 1-Hz laser system via an improved mounting configuration of a reference cavity. <i>Optics Letters</i> , 2005, 30, 1815.	3.3	195
61	Spin-orbit-coupled fermions in an optical lattice clock. <i>Nature</i> , 2017, 542, 66-70.	27.8	195
62	Strong Coupling of a Mechanical Oscillator and a Single Atom. <i>Physical Review Letters</i> , 2009, 103, 063005.	7.8	192
63	JILA SrI optical lattice clock with uncertainty of $2.0 \times 10^{-18}$ . <i>Metrologia</i> , 2019, 56, 065004.	1.2	184
64	Constraining the Spin-Dependent WIMP-Nucleon Cross Sections with XENON1T. <i>Physical Review Letters</i> , 2019, 122, 141301.	7.8	183
65	Characterization of high-finesse mirrors: Loss, phase shifts, and mode structure in an optical cavity. <i>Physical Review A</i> , 2001, 64, .	2.5	179
66	Radio Frequency Magneto-Optical Trapping of CaF with High Density. <i>Physical Review Letters</i> , 2017, 119, 103201.	7.8	172
67	Vacuum-ultraviolet frequency combs from below-threshold harmonics. <i>Nature Physics</i> , 2009, 5, 815-820.	16.7	171
68	Ultrasensitive frequency-modulation spectroscopy enhanced by a high-finesse optical cavity: theory and application to overtone transitions of $\text{C}_2\text{H}_2$ and $\text{C}_2\text{HD}$ . <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 2255.	2.1	170
69	Delivery of high-stability optical and microwave frequency standards over an optical fiber network. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 1459.	2.1	167
70	Realizing Fractional Chern Insulators in Dipolar Spin Systems. <i>Physical Review Letters</i> , 2013, 110, 185302.	7.8	167
71	New frontiers for quantum gases of polar molecules. <i>Nature Physics</i> , 2017, 13, 13-20.	16.7	167
72	Resolving the gravitational redshift across a millimetre-scale atomic sample. <i>Nature</i> , 2022, 602, 420-424.	27.8	167

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73	High-sensitivity coherent anti-Stokes Raman scattering microscopy with two tightly synchronized picosecond lasers. <i>Optics Letters</i> , 2002, 27, 1168.	3.3	164
74	Creation of a low-entropy quantum gas of polar molecules in an optical lattice. <i>Science</i> , 2015, 350, 659-662.	12.6	164
75	Comparison of Two Independent Sr Optical Clocks with $\Delta \nu / \nu < 10^{-17}$ at $\Delta \nu / \nu < 10^{-17}$ . <i>Physical Review Letters</i> , 2012, 109, 230801.	7.8	162
76	Many-Body Dynamics of Dipolar Molecules in an Optical Lattice. <i>Physical Review Letters</i> , 2014, 113, 195302.	7.8	162
77	Systematic Study of the Sr87 Clock Transition in an Optical Lattice. <i>Physical Review Letters</i> , 2006, 96, 033003.	7.8	161
78	Evaporative cooling of the dipolar hydroxyl radical. <i>Nature</i> , 2012, 492, 396-400.	27.8	160
79	Sr87 Lattice Clock with Inaccuracy below $10^{-15}$ . <i>Physical Review Letters</i> , 2007, 98, 083002.	7.8	159
80	Optical frequency combs: From frequency metrology to optical phase control. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003, 9, 1041-1058.	2.9	158
81	Search for Light Dark Matter Interactions Enhanced by the Migdal Effect or Bremsstrahlung in XENON1T. <i>Physical Review Letters</i> , 2019, 123, 241803.	7.8	158
82	The XENON1T dark matter experiment. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	157
83	Cavity-enhanced direct frequency comb spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2008, 91, 397-414.	2.2	155
84	Molecular Iodine Clock. <i>Physical Review Letters</i> , 2001, 87, 270801.	7.8	153
85	Magneto-optical Trap for Polar Molecules. <i>Physical Review Letters</i> , 2008, 101, 243002.	7.8	153
86	A Quantum Many-Body Spin System in an Optical Lattice Clock. <i>Science</i> , 2013, 341, 632-636.	12.6	152
87	Quantum-Noise-Limited Optical Frequency Comb Spectroscopy. <i>Physical Review Letters</i> , 2011, 107, 233002.	7.8	145
88	Collective atomic scattering and motional effects in a dense coherent medium. <i>Nature Communications</i> , 2016, 7, 11039.	12.8	145
89	Phase Space Manipulation of Cold Free Radical OH Molecules. <i>Physical Review Letters</i> , 2003, 91, 243001.	7.8	143
90	Magneto-electrostatic Trapping of Ground State OH Molecules. <i>Physical Review Letters</i> , 2007, 98, 253002.	7.8	142

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91	Optical Atomic Coherence at the 1-Second Time Scale. <i>Science</i> , 2006, 314, 1430-1433.	12.6	141
92	Nuclear spin effects in optical lattice clocks. <i>Physical Review A</i> , 2007, 76, .	2.5	140
93	The absolute frequency of the $^{87}\text{Sr}$ optical clock transition. <i>Metrologia</i> , 2008, 45, 539-548.	1.2	139
94	Suppression of Collisional Shifts in a Strongly Interacting Lattice Clock. <i>Science</i> , 2011, 331, 1043-1046.	12.6	138
95	3D Magneto-Optical Trap of Yttrium Monoxide. <i>Physical Review Letters</i> , 2018, 121, 213201.	7.8	137
96	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	136
97	Alkaline-Earth-Metal Atoms as Few-Qubit Quantum Registers. <i>Physical Review Letters</i> , 2009, 102, 110503.	7.8	135
98	Cavity-enhanced optical frequency comb spectroscopy in the mid-infrared application to trace detection of hydrogen peroxide. <i>Applied Physics B: Lasers and Optics</i> , 2013, 110, 163-175.	2.2	134
99	High-performance near- and mid-infrared crystalline coatings. <i>Optica</i> , 2016, 3, 647.	9.3	132
100	Stabilization and frequency measurement of the $I_{\text{sub } 2\text{/}}$ -stabilized Nd:YAG laser. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1999, 48, 583-586.	4.7	130
101	Imaging Optical Frequencies with $100\%$ Precision and $1.1\%$ Resolution. <i>Physical Review Letters</i> , 2018, 120, 103201.	7.8	128
102	Reduction of residual amplitude modulation to $1\text{ \AA} - 10^{-6}$ for frequency modulation and laser stabilization. <i>Optics Letters</i> , 2014, 39, 1980.	3.3	125
103	Rabi spectroscopy and excitation inhomogeneity in a one-dimensional optical lattice clock. <i>Physical Review A</i> , 2009, 80, .	2.5	124
104	Absolute frequency atlas of molecular $I_{\text{sub } 2\text{/}}$ lines at 532 nm. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1999, 48, 544-549.	4.7	117
105	Suppressing the Loss of Ultracold Molecules Via the Continuous Quantum Zeno Effect. <i>Physical Review Letters</i> , 2014, 112, 070404.	7.8	117
106	Mode-locked fiber laser frequency-controlled with an intracavity electro-optic modulator. <i>Optics Letters</i> , 2005, 30, 2948.	3.3	115
107	Coherent Optical Phase Transfer over a 32-km Fiber with $1\text{ \AA}$ Instability at $10^{17}$ Hz. <i>Physical Review Letters</i> , 2007, 99, 153601.	7.8	115
108	Subfemtosecond timing jitter between two independent, actively synchronized, mode-locked lasers. <i>Optics Letters</i> , 2002, 27, 312.	3.3	114

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109	Continuously tunable, precise, single frequency optical signal generator. <i>Optics Express</i> , 2002, 10, 515.	3.4	111
110	Efficient output coupling of intracavity high-harmonic generation. <i>Optics Letters</i> , 2008, 33, 1099.	3.3	111
111	Measurement of Optical Feshbach Resonances in an Ideal Gas. <i>Physical Review Letters</i> , 2011, 107, 073202.	7.8	111
112	Crystalline optical cavity at 4â€‰%â€‰K with thermal-noise-limited instability and ultralow drift. <i>Optica</i> , 2019, 6, 240.	9.3	111
113	Mid-Infrared Time-Resolved Frequency Comb Spectroscopy of Transient Free Radicals. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2241-2246.	4.6	110
114	Precision Metrology Meets Cosmology: Improved Constraints on Ultralight Dark Matter from Atom-Cavity Frequency Comparisons. <i>Physical Review Letters</i> , 2020, 125, 201302.	7.8	109
115	Femtosecond pulse amplification by coherent addition in a passive optical cavity. <i>Optics Letters</i> , 2002, 27, 1848.	3.3	107
116	High-Accuracy Optical Clock via Three-Level Coherence in Neutral Bosonic Sr88. <i>Physical Review Letters</i> , 2005, 94, 173002.	7.8	106
117	Production of cold formaldehyde molecules for study and control of chemical reaction dynamics with hydroxyl radicals. <i>Physical Review A</i> , 2006, 73, .	2.5	106
118	Half-minute-scale atomic coherence and high relative stability in a tweezer clock. <i>Nature</i> , 2020, 588, 408-413.	27.8	106
119	Gas-phase broadband spectroscopy using active sources: progress, status, and applications [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 104.	2.1	105
120	Introduction to Ultracold Molecules: New Frontiers in Quantum and Chemical Physics. <i>Chemical Reviews</i> , 2012, 112, 4801-4802.	47.7	104
121	Collisional Stability of Fermionic Feshbach Molecules. <i>Physical Review Letters</i> , 2008, 100, 143201.	7.8	103
122	Contribution of thermal noise to frequency stability of rigid optical cavity via Hertz-linewidth lasers. <i>Physical Review A</i> , 2006, 73, .	2.5	102
123	Mid-infrared virtually imaged phased array spectrometer for rapid and broadband trace gas detection. <i>Optics Letters</i> , 2012, 37, 3285.	3.3	102
124	Single-atom cavity QED and optomechanics. <i>Physical Review A</i> , 2010, 81, .	2.5	101
125	Sub-Doppler optical frequency reference at 1064 $\mu\text{m}$ by means of ultrasensitive cavity-enhanced frequency modulation spectroscopy of a C <sub>2</sub> H <sub>2</sub> overtone transition. <i>Optics Letters</i> , 1996, 21, 1000.	3.3	100
126	Molecular Beam Collisions with a Magnetically Trapped Target. <i>Physical Review Letters</i> , 2008, 101, 203203.	7.8	100



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127	Probing Interactions Between Ultracold Fermions. <i>Science</i> , 2009, 324, 360-363.	12.6	99
128	Synthetic Spin-Orbit Coupling in an Optical Lattice Clock. <i>Physical Review Letters</i> , 2016, 116, 035301.	7.8	99
129	Full observation of single-atom dynamics in cavity QED. <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 1095-1108.	2.2	98
130	Vibration-induced elastic deformation of Fabry-Perot cavities. <i>Physical Review A</i> , 2006, 74, .	2.5	98
131	Narrow Line Photoassociation in an Optical Lattice. <i>Physical Review Letters</i> , 2006, 96, 203201.	7.8	98
132	Cooling and trapping of atomic strontium. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003, 20, 968.	2.1	96
133	Precision Spectroscopy of Polarized Molecules in an Ion Trap. <i>Science</i> , 2013, 342, 1220-1222.	12.6	96
134	Ultracold polar molecules near quantum degeneracy. <i>Faraday Discussions</i> , 2009, 142, 351.	3.2	95
135	Seconds-scale coherence on an optical clock transition in a tweezer array. <i>Science</i> , 2019, 366, 93-97.	12.6	95
136	Heteronuclear molecules in an optical dipole trap. <i>Physical Review A</i> , 2008, 78, .	2.5	92
137	Heisenberg-Limited Atom Clocks Based on Entangled Qubits. <i>Physical Review Letters</i> , 2014, 112, 190403.	7.8	92
138	Continuous probing of cold complex molecules with infrared frequency comb spectroscopy. <i>Nature</i> , 2016, 533, 517-520.	27.8	92
139	Phase-matched extreme-ultraviolet frequency-comb generation. <i>Nature Photonics</i> , 2018, 12, 387-391.	31.4	92
140	Nonlinear phase noise generated in airâ€silica microstructure fiber and its effect on carrier-envelope phase. <i>Optics Letters</i> , 2002, 27, 445.	3.3	91
141	Optical frequency comb spectroscopy. <i>Faraday Discussions</i> , 2011, 150, 23.	3.2	90
142	Simple piezoelectric-actuated mirror with 180 kHz servo bandwidth. <i>Optics Express</i> , 2010, 18, 9739.	3.4	89
143	Direct frequency comb measurement of OD + CO â† DOCO kinetics. <i>Science</i> , 2016, 354, 444-448.	12.6	86
144	Cold heteromolecular dipolar collisions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 19059.	2.8	85

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145	Antisymmetric Polarizability of Ultracold Polar Molecules. Physical Review Letters, 2012, 109, 230403.	7.8	85
146	Cavity-ringdown molecular spectroscopy based on an optical frequency comb at 145-165 $\mu\text{m}$ . Optics Letters, 2007, 32, 307.	3.3	84
147	Cavity-enhanced similariton Yb-fiber laser frequency comb: $3\text{Å}-10^{14}\text{ W/cm}^2$ peak intensity at 136 MHz. Optics Letters, 2007, 32, 2870.	3.3	84
148	Detailed analysis of coherence collapse in semiconductor lasers. IEEE Journal of Quantum Electronics, 1993, 29, 2421-2432.	1.9	83
149	Accuracy Comparison of Absolute Optical Frequency Measurement between Harmonic-Generation Synthesis and a Frequency-Division Femtosecond Comb. Physical Review Letters, 2000, 85, 3797-3800.	7.8	83
150	Direct Frequency Comb Measurements of Absolute Optical Frequencies and Population Transfer Dynamics. Physical Review Letters, 2005, 95, 023001.	7.8	81
151	Precision Spectroscopy and Density-Dependent Frequency Shifts in Ultracold Sr. Physical Review Letters, 2005, 94, 153001.	7.8	80
152	Cold State-Selected Molecular Collisions and Reactions. Annual Review of Physical Chemistry, 2014, 65, 501-518.	10.8	80
153	Long-term carrier-envelope phase coherence. Optics Letters, 2002, 27, 1436.	3.3	79
154	Direct frequency comb spectroscopy. Advances in Atomic, Molecular and Optical Physics, 2008, 55, 1-60.	2.3	78
155	Extreme Nonlinear Optics in a Femtosecond Enhancement Cavity. Physical Review Letters, 2011, 107, 183903.	7.8	78
156	Sub-Doppler molecular-iodine transitions near the dissociation limit (523-498 nm). Optics Letters, 2002, 27, 571.	3.3	77
157	Control of the frequency comb from a modelocked Erbium-doped fiber laser. Optics Express, 2002, 10, 1404.	3.4	77
158	Narrow line cooling and momentum-space crystals. Physical Review A, 2004, 70, .	2.5	77
159	Chemical Imaging of Photoresists with Coherent Anti-Stokes Raman Scattering (CARS) Microscopy. Journal of Physical Chemistry B, 2004, 108, 1296-1301.	2.6	77
160	Extreme ultraviolet radiation with coherence time greater than 1 $\text{Å}$ s. Nature Photonics, 2014, 8, 530-536.	31.4	77
161	Rotational State Microwave Mixing for Laser Cooling of Complex Diatomic Molecules. Physical Review Letters, 2015, 114, 223003.	7.8	77
162	Ultrastable Silicon Cavity in a Continuously Operating Closed-Cycle Cryostat at 4 $\text{K}$ . Physical Review Letters, 2017, 119, 243601.	7.8	77

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163	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.	1.5	75
164	SAGE: A proposal for a space atomic gravity explorer. European Physical Journal D, 2019, 73, 1.	1.3	75
165	Remote transfer of a high-stability and ultralow-jitter timing signal. Optics Letters, 2005, 30, 1225.	3.3	74
166	Period-doubling route to chaos in a semiconductor laser with weak optical feedback. Physical Review A, 1993, 47, 2249-2252.	2.5	73
167	Synchronization of two passively mode-locked, picosecond lasers within 20 fs for coherent anti-Stokes Raman scattering microscopy. Review of Scientific Instruments, 2002, 73, 2843-2848.	1.3	72
168	Precise Control of Molecular Dynamics with a Femtosecond Frequency Comb. Physical Review Letters, 2007, 98, 113004.	7.8	72
169	Variational Spin-Squeezing Algorithms on Programmable Quantum Sensors. Physical Review Letters, 2019, 123, 260505.	7.8	72
170	Prospects for the cavity-assisted laser cooling of molecules. Physical Review A, 2008, 77, .	2.5	70
171	Frequency Measurements of Superradiance from the Strontium Clock Transition. Physical Review X, 2018, 8, .	8.9	70
172	High Resolution Atomic Coherent Control via Spectral Phase Manipulation of an Optical Frequency Comb. Physical Review Letters, 2006, 96, 153001.	7.8	69
173	Control of Four-Level Quantum Coherence via Discrete Spectral Shaping of an Optical Frequency Comb. Physical Review Letters, 2008, 100, 203001.	7.8	69
174	Output coupling methods for cavity-based high-harmonic generation. Optics Express, 2006, 14, 8189.	3.4	68
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