

List of Publications by Year in  
Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Spectroscopy on the electron-electric-dipole-moment-sensitive states of ThF+. <i>Physical Review A</i> , <b>2022</b> , 105,	2.6	1
375	Resolving the gravitational redshift across a millimetre-scale atomic sample.. <i>Nature</i> , <b>2022</b> , 602, 420-424	50.4	15
374	Disentangling Pauli Blocking of Atomic Decay from Cooperative Radiation and Atomic Motion in a 2D Fermi Gas.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 093001	7.4	1
373	Reactions between layer-resolved molecules mediated by dipolar spin exchange.. <i>Science</i> , <b>2022</b> , 375, 1299-1303	33.3	0
372	High Phase-Space Density of Laser-Cooled Molecules in an Optical Lattice.. <i>Physical Review Letters</i> , <b>2021</b> , 127, 263201	7.4	2
371	Pauli blocking of atom-light scattering. <i>Science</i> , <b>2021</b> , 374, 979-983	33.3	3
370	Dynamical Generation of Spin Squeezing in Ultracold Dipolar Molecules. <i>Physical Review Letters</i> , <b>2021</b> , 126, 113401	7.4	4
369	Experimental Constraint on Axionlike Particles over Seven Orders of Magnitude in Mass. <i>Physical Review Letters</i> , <b>2021</b> , 126, 171301	7.4	5
368	Floquet engineering ultracold polar molecules to simulate topological insulators. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	1
367	Realizing Hopf Insulators in Dipolar Spin Systems. <i>Physical Review Letters</i> , <b>2021</b> , 127, 015301	7.4	2
366	Dipole-Dipole Frequency Shifts in Multilevel Atoms. <i>Physical Review Letters</i> , <b>2021</b> , 127, 013401	7.4	0
365	Thermal noise and mechanical loss of SiO/TaO optical coatings at cryogenic temperatures. <i>Optics Letters</i> , <b>2021</b> , 46, 592-595	3	4
364	Extreme-ultraviolet frequency combs for precision metrology and attosecond science. <i>Nature Photonics</i> , <b>2021</b> , 15, 175-186	33.9	18
363	Measurement of the $^{27}\text{Al}^+$ and $^{87}\text{Sr}$ absolute optical frequencies. <i>Metrologia</i> , <b>2021</b> , 58, 015017	2.1	1
362	Quantum Simulators: Architectures and Opportunities. <i>PRX Quantum</i> , <b>2021</b> , 2,	6.1	47
361	Detection and manipulation of the transverse motion of neutral molecules in a Stark decelerator. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 183, 109888	4.6	0
360	Ultrasensitive multispecies spectroscopic breath analysis for real-time health monitoring and diagnostics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	7

359	Half-minute-scale atomic coherence and high relative stability in a tweezer clock. <i>Nature</i> , <b>2020</b> , 588, 408-412	35.1	33
358	Dipolar evaporation of reactive molecules to below the Fermi temperature. <i>Nature</i> , <b>2020</b> , 588, 239-243	50.4	20
357	Resonant collisional shielding of reactive molecules using electric fields. <i>Science</i> , <b>2020</b> , 370, 1324-1327	33.3	20
356	Sub-Doppler Cooling and Compressed Trapping of YO Molecules at K Temperatures. <i>Physical Review X</i> , <b>2020</b> , 10,	9.1	23
355	Second-Scale Coherence Measured at the Quantum Projection Noise Limit with Hundreds of Molecular Ions. <i>Physical Review Letters</i> , <b>2020</b> , 124, 053201	7.4	11
354	Continuous temporal ion detection combined with time-gated imaging: Normalization over a large dynamic range. <i>Journal of Molecular Spectroscopy</i> , <b>2020</b> , 368, 111257	1.3	1
353	Thermalization and Sub-Poissonian Density Fluctuations in a Degenerate Molecular Fermi Gas. <i>Physical Review Letters</i> , <b>2020</b> , 124, 033401	7.4	13
352	Beyond the limits of conventional Stark deceleration. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	4
351	Optical atomic clock comparison through turbulent air. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	4
350	Excess electronic recoil events in XENON1T. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	128
349	Quantum many-body physics with ultracold polar molecules: Nanostructured potential barriers and interactions. <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	2
348	Noncollinear Enhancement Cavity for Record-High Out-Coupling Efficiency of an Extreme-UV Frequency Comb. <i>Physical Review Letters</i> , <b>2020</b> , 125, 093902	7.4	8
347	Thermodynamics of a deeply degenerate SU(N)-symmetric Fermi gas. <i>Nature Physics</i> , <b>2020</b> , 16, 1216-1221	16.2	14
346	Observation of Efimov Universality across a Nonuniversal Feshbach Resonance in $^{39}\text{K}$ . <i>Physical Review Letters</i> , <b>2020</b> , 125, 243401	7.4	4
345	Precision Metrology Meets Cosmology: Improved Constraints on Ultralight Dark Matter from Atom-Cavity Frequency Comparisons. <i>Physical Review Letters</i> , <b>2020</b> , 125, 201302	7.4	37
344	Fast Apparent Oscillations of Fundamental Constants. <i>Annalen Der Physik</i> , <b>2020</b> , 532, 1900566	2.6	4
343	Seconds-scale coherence on an optical clock transition in a tweezer array. <i>Science</i> , <b>2019</b> , 366, 93-97	33.3	43
342	Engineering Quantum States of Matter for Atomic Clocks in Shallow Optical Lattices. <i>Physical Review Letters</i> , <b>2019</b> , 123, 123401	7.4	18

341	Coherent light brightens the quantum science frontier. <i>Physics Today</i> , <b>2019</b> , 72,	0.9	1
340	Cluster State Generation with Spin-Orbit Coupled Fermionic Atoms in Optical Lattices. <i>Physical Review Letters</i> , <b>2019</b> , 122, 160402	7.4	9
339	Visible and ultraviolet laser spectroscopy of ThF. <i>Journal of Molecular Spectroscopy</i> , <b>2019</b> , 358, 1-16	1.3	6
338	Constraining the Spin-Dependent WIMP-Nucleon Cross Sections with XENON1T. <i>Physical Review Letters</i> , <b>2019</b> , 122, 141301	7.4	87
337	Demonstration of $4.8 \times 10^{-7}$ stability at 1 s for two independent optical clocks. <i>Nature Photonics</i> , <b>2019</b> , 13, 714-719	33.9	143
336	Atoms and molecules in the search for time-reversal symmetry violation. <i>Nature Reviews Physics</i> , <b>2019</b> , 1, 510-521	23.6	12
335	Demonstration of a Timescale Based on a Stable Optical Carrier. <i>Physical Review Letters</i> , <b>2019</b> , 123, 173201	7.4	17
334	JILA Sr optical lattice clock with uncertainty of $2.0 \times 10^{-18}$ . <i>Metrologia</i> , <b>2019</b> , 56, 065004	2.1	70
333	Engineering spin squeezing in a 3D optical lattice with interacting spin-orbit-coupled fermions. <i>Physical Review Research</i> , <b>2019</b> , 1,	3.9	12
332	Comb-resolved spectroscopy with immersion grating in long-wave infrared. <i>Optics Express</i> , <b>2019</b> , 27, 1911-1921	3.3	9
331	Crystalline optical cavity at 4 K with thermal-noise-limited instability and ultralow drift. <i>Optica</i> , <b>2019</b> , 6, 240	8.6	57
330	SAGE: A proposal for a space atomic gravity explorer. <i>European Physical Journal D</i> , <b>2019</b> , 73, 1	1.3	37
329	Direct Frequency Comb Spectroscopy with an Immersion Grating <b>2019</b> ,		1
328	Variational Spin-Squeezing Algorithms on Programmable Quantum Sensors. <i>Physical Review Letters</i> , <b>2019</b> , 123, 260505	7.4	29
327	Precision Test of the Limits to Universality in Few-Body Physics. <i>Physical Review Letters</i> , <b>2019</b> , 123, 233402	7.4	10
326	Light Dark Matter Search with Ionization Signals in XENON1T. <i>Physical Review Letters</i> , <b>2019</b> , 123, 251801	7.4	147
325	Search for Light Dark Matter Interactions Enhanced by the Migdal Effect or Bremsstrahlung in XENON1T. <i>Physical Review Letters</i> , <b>2019</b> , 123, 241803	7.4	52
324	Rovibrational quantum state resolution of the C fullerene. <i>Science</i> , <b>2019</b> , 363, 49-54	33.3	42

323	A degenerate Fermi gas of polar molecules. <i>Science</i> , <b>2019</b> , 363, 853-856	33.3	110
322	Broadband molecular spectroscopy with optical frequency combs. <i>Journal of Molecular Spectroscopy</i> , <b>2019</b> , 355, 66-78	1.3	28
321	Imaging Optical Frequencies with 100 Hz Precision and 1.1 fs Resolution. <i>Physical Review Letters</i> , <b>2018</b> , 120, 103201	7.4	72
320	Dynamics of interacting fermions under spin-orbit coupling in an optical lattice clock. <i>Nature Physics</i> , <b>2018</b> , 14, 399-404	16.2	35
319	Sensitivity and Resolution in Frequency Comb Spectroscopy of Buffer Gas Cooled Polyatomic Molecules <b>2018</b> , 647-664		1
318	Direct measurements of DOCO isomers in the kinetics of OD + CO. <i>Science Advances</i> , <b>2018</b> , 4, eaao4777	14.3	18
317	Two Clock Transitions in Neutral Yb for the Highest Sensitivity to Variations of the Fine-Structure Constant. <i>Physical Review Letters</i> , <b>2018</b> , 120, 173001	7.4	31
316	Phase-stabilized 100 mW frequency comb near 10 THz. <i>Applied Physics B: Lasers and Optics</i> , <b>2018</b> , 124, 128	1.9	16
315	Intrinsic backgrounds from Rn and Kr in the XENON100 experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	11
314	Frequency Measurements of Superradiance from the Strontium Clock Transition. <i>Physical Review X</i> , <b>2018</b> , 8,	9.1	36
313	Enhancing radical molecular beams by skimmer cooling. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 11615-11621	3.6	3
312	Phase-matched extreme-ultraviolet frequency-comb generation. <i>Nature Photonics</i> , <b>2018</b> , 12, 387-391	33.9	53
311	A nozzle for high-density supersonic gas jets at elevated temperatures. <i>Review of Scientific Instruments</i> , <b>2018</b> , 89, 113114	1.7	4
310	3D Magneto-Optical Trap of Yttrium Monoxide. <i>Physical Review Letters</i> , <b>2018</b> , 121, 213201	7.4	92
309	An approach to spin-resolved molecular gas microscopy. <i>New Journal of Physics</i> , <b>2018</b> , 20, 043031	2.9	11
308	Emergence of multi-body interactions in a fermionic lattice clock. <i>Nature</i> , <b>2018</b> , 563, 369-373	50.4	37
307	Dark Matter Search Results from a One Ton-Year Exposure of XENON1T. <i>Physical Review Letters</i> , <b>2018</b> , 121, 111302	7.4	740
306	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> , <b>2018</b> , 2018, 1	5.4	101

305	Spectral analyses of trans- and cis-DOCO transients via comb spectroscopy. <i>Molecular Physics</i> , <b>2018</b> , 116, 3710-3717	1.7	5
304	Search for Electronic Recoil Event Rate Modulation with 4 Years of XENON100 Data. <i>Physical Review Letters</i> , <b>2017</b> , 118, 101101	7.4	39
303	Removing krypton from xenon by cryogenic distillation to the ppq level. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	26
302	OD + CO -iD + CO2 branching kinetics probed with time-resolved frequency comb spectroscopy. <i>Chemical Physics Letters</i> , <b>2017</b> , 683, 91-95	2.5	8
301	One-dimensional magneto-optical compression of a cold CaF molecular beam. <i>New Journal of Physics</i> , <b>2017</b> , 19, 033035	2.9	11
300	New frontiers for quantum gases of polar molecules. <i>Nature Physics</i> , <b>2017</b> , 13, 13-20	16.2	112
299	Spin-orbit-coupled fermions in an optical lattice clock. <i>Nature</i> , <b>2017</b> , 542, 66-70	50.4	139
298	A Fermi-degenerate three-dimensional optical lattice clock. <i>Science</i> , <b>2017</b> , 358, 90-94	33.3	182
297	Precision Measurement of the Electron's Electric Dipole Moment Using Trapped Molecular Ions. <i>Physical Review Letters</i> , <b>2017</b> , 119, 153001	7.4	202
296	Material radioassay and selection for the XENON1T dark matter experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	21
295	Radio Frequency Magneto-Optical Trapping of CaF with High Density. <i>Physical Review Letters</i> , <b>2017</b> , 119, 103201	7.4	123
294	Cold molecules: Progress in quantum engineering of chemistry and quantum matter. <i>Science</i> , <b>2017</b> , 357, 1002-1010	33.3	192
293	Symplectic structure of statistical variational data assimilation. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2017</b> , 143, 756-771	6.4	3
292	Ultrastable Silicon Cavity in a Continuously Operating Closed-Cycle Cryostat at 4 K. <i>Physical Review Letters</i> , <b>2017</b> , 119, 243601	7.4	43
291	First Dark Matter Search Results from the XENON1T Experiment. <i>Physical Review Letters</i> , <b>2017</b> , 119, 181301	7.4	485
290	Online ( <sup>222</sup> Rn) removal by cryogenic distillation in the XENON100 experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	21
289	1.5 $\mu$ m Lasers with Sub-10 mHz Linewidth. <i>Physical Review Letters</i> , <b>2017</b> , 118, 263202	7.4	192
288	Controlling spin flips of molecules in an electromagnetic trap. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	20

287	The XENON1T dark matter experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	99
286	Gas-phase broadband spectroscopy using active sources: progress, status, and applications. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2017</b> , 34, 104-129	1.7	77
285	1.5 E <sup>h</sup> Lasers with sub 10 mHz Linewidth <b>2017</b> ,		2
284	Three-photon absorption in optical parametric oscillators based on OP-GaAs. <i>Optics Letters</i> , <b>2016</b> , 41, 5405-5408	3	19
283	Doublon dynamics and polar molecule production in an optical lattice. <i>Nature Communications</i> , <b>2016</b> , 7, 11279	17.4	31
282	Synthetic Spin-Orbit Coupling in an Optical Lattice Clock. <i>Physical Review Letters</i> , <b>2016</b> , 116, 035301	7.4	80
281	Entanglement and spin squeezing in a network of distant optical lattice clocks. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	11
280	Collective atomic scattering and motional effects in a dense coherent medium. <i>Nature Communications</i> , <b>2016</b> , 7, 11039	17.4	113
279	Direct frequency comb measurement of OD + CO $\rightarrow$ iDOCO kinetics. <i>Science</i> , <b>2016</b> , 354, 444-448	33.3	65
278	Broadband velocity modulation spectroscopy of ThF <sup>+</sup> for use in a measurement of the electron electric dipole moment. <i>Journal of Molecular Spectroscopy</i> , <b>2016</b> , 319, 1-9	1.3	18
277	High-performance near- and mid-infrared crystalline coatings. <i>Optica</i> , <b>2016</b> , 3, 647	8.6	81
276	A second generation of low thermal noise cryogenic silicon resonators. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 723, 012031	0.3	15
275	Sensitivity and resolution in frequency comb spectroscopy of buffer gas cooled polyatomic molecules. <i>Applied Physics B: Lasers and Optics</i> , <b>2016</b> , 122, 1	1.9	12
274	Gravitational wave detection with optical lattice atomic clocks. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	143
273	Optical atomic clock <b>2016</b> ,		1
272	Laser slowing of CaF molecules to near the capture velocity of a molecular MOT. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2016</b> , 49, 174001	1.3	59
271	Precision measurement and frequency metrology with ultracold atoms. <i>National Science Review</i> , <b>2016</b> , 3, 189-200	10.8	13
270	Continuous probing of cold complex molecules with infrared frequency comb spectroscopy. <i>Nature</i> , <b>2016</b> , 533, 517-20	50.4	74

269	Quantum Network of Atom Clocks: A Possible Implementation with Neutral Atoms. <i>Physical Review Letters</i> , <b>2016</b> , 117, 060506	7.4	19
268	Light scattering from dense cold atomic media. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	44
267	Observation of motion-dependent nonlinear dispersion with narrow-linewidth atoms in an optical cavity. <i>Physical Review Letters</i> , <b>2015</b> , 114, 093002	7.4	20
266	Optical atomic clocks. <i>Reviews of Modern Physics</i> , <b>2015</b> , 87, 637-701	40.5	867
265	Cavity-enhanced field-free molecular alignment at a high repetition rate. <i>Physical Review Letters</i> , <b>2015</b> , 114, 153001	7.4	8
264	Prospects for a narrow line MOT in YO. <i>New Journal of Physics</i> , <b>2015</b> , 17, 055008	2.9	30
263	Systematic evaluation of an atomic clock at 2 $\times 10^{-18}$ total uncertainty. <i>Nature Communications</i> , <b>2015</b> , 6, 6896	17.4	421
262	Creation of a low-entropy quantum gas of polar molecules in an optical lattice. <i>Science</i> , <b>2015</b> , 350, 659-663	33.3	125
261	Optical Feshbach resonances: Field-dressed theory and comparison with experiments. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	24
260	Nonlinear spectroscopy of Sr atoms in an optical cavity for laser stabilization. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	16
259	Rotational State Microwave Mixing for Laser Cooling of Complex Diatomic Molecules. <i>Physical Review Letters</i> , <b>2015</b> , 114, 223003	7.4	63
258	Progress on the optical lattice clock. <i>Comptes Rendus Physique</i> , <b>2015</b> , 16, 499-505	1.4	9
257	Accurate removal of RAM from FM laser beams <b>2015</b> ,		2
256	Cavity-Enhanced Mid-IR Optical Frequency Comb Spectroscopy: Enhanced Time and Spectral Resolution <b>2015</b> ,		1
255	State-specific detection of trapped HfF <sup>+</sup> by photodissociation. <i>Journal of Molecular Spectroscopy</i> , <b>2014</b> , 300, 12-15	1.3	18
254	An optical lattice clock with accuracy and stability at the 10 <sup>-18</sup> level. <i>Nature</i> , <b>2014</b> , 506, 71-5	50.4	637
253	Mid-Infrared Time-Resolved Frequency Comb Spectroscopy of Transient Free Radicals. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 2241-6	6.4	87
252	Suppressing the loss of ultracold molecules via the continuous quantum Zeno effect. <i>Physical Review Letters</i> , <b>2014</b> , 112, 070404	7.4	78



251	Extreme ultraviolet radiation with coherence time greater than 1's. <i>Nature Photonics</i> , <b>2014</b> , 8, 530-536	33.9	61
250	Quantum simulation. Spectroscopic observation of SU(N)-symmetric interactions in Sr orbital magnetism. <i>Science</i> , <b>2014</b> , 345, 1467-73	33.3	229
249	Cold state-selected molecular collisions and reactions. <i>Annual Review of Physical Chemistry</i> , <b>2014</b> , 65, 501-18	15.7	72
248	Heisenberg-limited atom clocks based on entangled qubits. <i>Physical Review Letters</i> , <b>2014</b> , 112, 190403	7.4	66
247	A quantum network of clocks. <i>Nature Physics</i> , <b>2014</b> , 10, 582-587	16.2	260
246	Ultrastable laser with average fractional frequency drift rate below $5 \times 10^{-18}$ /s. <i>Optics Letters</i> , <b>2014</b> , 39, 5102-5	3	47
245	Reduction of residual amplitude modulation to $1 \times 10^{-10}$ for frequency modulation and laser stabilization. <i>Optics Letters</i> , <b>2014</b> , 39, 1980-3	3	90
244	Many-body dynamics of dipolar molecules in an optical lattice. <i>Physical Review Letters</i> , <b>2014</b> , 113, 195302	7.4	119
243	Probing many-body interactions in an optical lattice clock. <i>Annals of Physics</i> , <b>2014</b> , 340, 311-351	2.5	43
242	Cavity-Enhanced Direct Frequency Comb Spectroscopy. <i>Springer Series in Optical Sciences</i> , <b>2014</b> , 271-321	10.5	12
241	Molécules polaires ultrafroides dans le régime quantique <b>2014</b> , 14-18	0.1	
240	Tenfold reduction of Brownian noise in high-reflectivity optical coatings. <i>Nature Photonics</i> , <b>2013</b> , 7, 644-650	33.9	202
239	Trace Water Vapor Analysis in Specialty Gases: Sensor and Spectroscopic Approaches <b>2013</b> , 195-249		2
238	Precision spectroscopy of polarized molecules in an ion trap. <i>Science</i> , <b>2013</b> , 342, 1220-2	33.3	83
237	A quantum many-body spin system in an optical lattice clock. <i>Science</i> , <b>2013</b> , 341, 632-6	33.3	119
236	Observation of dipolar spin-exchange interactions with lattice-confined polar molecules. <i>Nature</i> , <b>2013</b> , 501, 521-5	50.4	508
235	2D Magneto-optical trapping of diatomic molecules. <i>Physical Review Letters</i> , <b>2013</b> , 110, 143001	7.4	276
234	Realizing fractional Chern insulators in dipolar spin systems. <i>Physical Review Letters</i> , <b>2013</b> , 110, 185302	7.4	138

233	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> , <b>2013</b> , 110, 163-175	1.9	101
232	Electric-field-induced inelastic collisions between magnetically trapped hydroxyl radicals. <i>Molecular Physics</i> , <b>2013</b> , 111, 1798-1804	1.7	11
231	Optical spectrum analyzer with quantum-limited noise floor. <i>Physical Review Letters</i> , <b>2013</b> , 111, 093604	7.4	50
230	High Brightness XUV Frequency Combs via Intracavity High Harmonic Generation. <i>EPJ Web of Conferences</i> , <b>2013</b> , 41, 11006	0.3	0
229	Evaporative cooling of the dipolar hydroxyl radical. <i>Nature</i> , <b>2012</b> , 492, 396-400	50.4	142
228	. <i>IEEE Transactions on Plasma Science</i> , <b>2012</b> , 40, 1984-1991	1.3	35
227	Broadband velocity modulation spectroscopy of HFF+: Towards a measurement of the electron electric dipole moment. <i>Chemical Physics Letters</i> , <b>2012</b> , 546, 1-11	2.5	41
226	Operating a (87)Sr optical lattice clock with high precision and at high density. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2012</b> , 59, 416-25	3.2	33
225	A sub-40-mHz-linewidth laser based on a silicon single-crystal optical cavity. <i>Nature Photonics</i> , <b>2012</b> , 6, 687-692	33.9	402
224	Comparison of two independent Sr optical clocks with $10^{-17}$ stability at $10(3)$ s. <i>Physical Review Letters</i> , <b>2012</b> , 109, 230801	7.4	130
223	Long-lived dipolar molecules and Feshbach molecules in a 3D optical lattice. <i>Physical Review Letters</i> , <b>2012</b> , 108, 080405	7.4	180
222	Direct frequency comb spectroscopy in the extreme ultraviolet. <i>Nature</i> , <b>2012</b> , 482, 68-71	50.4	280
221	Mid-infrared virtually imaged phased array spectrometer for rapid and broadband trace gas detection. <i>Optics Letters</i> , <b>2012</b> , 37, 3285-7	3	71
220	Full phase stabilization of a Yb:fiber femtosecond frequency comb via high-bandwidth transducers. <i>Optics Letters</i> , <b>2012</b> , 37, 2196-8	3	45
219	Anisotropic polarizability of ultracold polar $40\text{K}87\text{Rb}$ molecules. <i>Physical Review Letters</i> , <b>2012</b> , 109, 230403	40.3	69
218	Microwave state transfer and adiabatic dynamics of magnetically trapped polar molecules. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	17
217	Power optimization of XUV frequency combs for spectroscopy applications [Invited]. <i>Optics Express</i> , <b>2011</b> , 19, 23483-93	3.3	32
216	Broadband phase noise suppression in a Yb-fiber frequency comb. <i>Optics Letters</i> , <b>2011</b> , 36, 743-5	3	21

215	Polar molecules in the quantum regime. <i>Physics Today</i> , <b>2011</b> , 64, 27-31	0.9	35
214	Controlling the quantum stereodynamics of ultracold bimolecular reactions. <i>Nature Physics</i> , <b>2011</b> , 7, 502-507	16.2	349
213	State-dependent lattices for quantum computing with alkaline-earth-metal atoms. <i>European Physical Journal D</i> , <b>2011</b> , 65, 207-217	1.3	19
212	Extreme nonlinear optics in a femtosecond enhancement cavity. <i>Physical Review Letters</i> , <b>2011</b> , 107, 183903	7.4	52
211	Cold heteromolecular dipolar collisions. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 19059-66	3.6	77
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12	Highly selective terahertz optical frequency comb generator: errata. <i>Optics Letters</i> , <b>1997</b> , 22, 746	3	2
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