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List of Publications by Year
in descending order

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	Spectroscopy on the electron-electric-dipole-momentâ€“sensitive states of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi mathvariant="normal">ThF</mml:mi><mml:mo>+</mml:mo></mml:msup></mml:math>. Physical Review A, 2022, 105, .	2.5	7
2	Resolving the gravitational redshift across a millimetre-scale atomic sample. Nature, 2022, 602, 420-424.	27.8	167
3	Disentangling Pauli Blocking of Atomic Decay from Cooperative Radiation and Atomic Motion in a 2D Fermi Gas. Physical Review Letters, 2022, 128, 093001.	7.8	2
4	Reactions between layer-resolved molecules mediated by dipolar spin exchange. Science, 2022, 375, 1299-1303.	12.6	18
5	Thermal noise and mechanical loss of SiO₂/Ta₂O₅ optical coatings at cryogenic temperatures. Optics Letters, 2021, 46, 592.	3.3	9
6	Extreme-ultraviolet frequency combs for precision metrology and attosecond science. Nature Photonics, 2021, 15, 175-186.	31.4	67
7	Measurement of the ²⁷Al⁺ and ⁸⁷Sr absolute optical frequencies. Metrologia, 2021, 58, 015017.	1.2	7
8	Toward a Tunable VUV Frequency Comb for 229mTh Nuclear Spectroscopy. , 2021, , .		1
9	Quantum Simulators: Architectures and Opportunities. PRX Quantum, 2021, 2, .	9.2	229
10	Dynamical Generation of Spin Squeezing in Ultracold Dipolar Molecules. Physical Review Letters, 2021, 126, 113401.	7.8	19
11	Experimental Constraint on Axionlike Particles over Seven Orders of Magnitude in Mass. Physical Review Letters, 2021, 126, 171301.	7.8	37
12	Floquet engineering ultracold polar molecules to simulate topological insulators. Physical Review A, 2021, 103, .	2.5	13
13	Realizing Hopf Insulators in Dipolar Spin Systems. Physical Review Letters, 2021, 127, 015301.	7.8	18
14	Dipole-Dipole Frequency Shifts in Multilevel Atoms. Physical Review Letters, 2021, 127, 013401.	7.8	9
15	Tuning of dipolar interactions and evaporative cooling in a three-dimensional molecular quantum gas. Nature Physics, 2021, 17, 1144-1148.	16.7	52
16	Detection and manipulation of the transverse motion of neutral molecules in a Stark decelerator. Measurement: Journal of the International Measurement Confederation, 2021, 183, 109888.	5.0	1
17	Ultrasensitive multispecies spectroscopic breath analysis for real-time health monitoring and diagnostics. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	43
18	Pauli blocking of atom-light scattering. Science, 2021, 374, 979-983.	12.6	9

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19	High Phase-Space Density of Laser-Cooled Molecules in an Optical Lattice. Physical Review Letters, 2021, 127, 263201.	7.8	26
20	Excess electronic recoil events in XENON1T. Physical Review D, 2020, 102, .	4.7	302
21	Quantum many-body physics with ultracold polar molecules: Nanostructured potential barriers and interactions. Physical Review A, 2020, 102, .	2.5	7
22	Noncollinear Enhancement Cavity for Record-High Out-coupling Efficiency of an Extreme-UV Frequency Comb. Physical Review Letters, 2020, 125, 093902.	7.8	20
23	Thermodynamics of a deeply degenerate SU(N)-symmetric Fermi gas. Nature Physics, 2020, 16, 1216-1221.	16.7	38
24	Observation of Efimov Universality across a Nonuniversal Feshbach Resonance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>39</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2020, 125, 243401.	7.8	23
25	Precision Metrology Meets Cosmology: Improved Constraints on Ultralight Dark Matter from Atom-Cavity Frequency Comparisons. Physical Review Letters, 2020, 125, 201302.	7.8	109
26	Half-minute-scale atomic coherence and high relative stability in a tweezer clock. Nature, 2020, 588, 408-413.	27.8	106
27	Dipolar evaporation of reactive molecules to below the Fermi temperature. Nature, 2020, 588, 239-243.	27.8	62
28	Resonant collisional shielding of reactive molecules using electric fields. Science, 2020, 370, 1324-1327.	12.6	64
29	Sub-Doppler Cooling and Compressed Trapping of YO Molecules at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î¼</mml:mi><mml:mi mathvariant="normal">K</mml:mi></mml:mrow></mml:math> Temperatures. Physical Review X, 2020, 10, .	8.9	65
30	Second-Scale Coherence Measured at the Quantum Projection Noise Limit with Hundreds of Molecular Ions. Physical Review Letters, 2020, 124, 053201.	7.8	23
31	Continuous temporal ion detection combined with time-gated imaging: Normalization over a large dynamic range. Journal of Molecular Spectroscopy, 2020, 368, 111257.	1.2	5
32	Thermalization and Sub-Poissonian Density Fluctuations in a Degenerate Molecular Fermi Gas. Physical Review Letters, 2020, 124, 033401.	7.8	21
33	Fast Apparent Oscillations of Fundamental Constants. Annalen Der Physik, 2020, 532, 1900566.	2.4	8
34	Beyond the limits of conventional Stark deceleration. Physical Review Research, 2020, 2, .	3.6	4
35	Optical atomic clock comparison through turbulent air. Physical Review Research, 2020, 2, .	3.6	16
36	10-18 Optical Atomic Clock Comparisons within the Boulder Atomic Clock Network. , 2020, , .		0

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37	Demonstration of 4.8â€‰Ã—â€‰10â^'17 stability at 1â€‰s for two independent optical clocks. Nature Photonics, 2019, 13, 714-719.	31.4	287
38	Atoms and molecules in the search for time-reversal symmetry violation. Nature Reviews Physics, 2019, 1, 510-521.	26.6	40
39	Demonstration of a Timescale Based on a Stable Optical Carrier. Physical Review Letters, 2019, 123, 173201.	7.8	34
40	JILA SrI optical lattice clock with uncertainty of $2.0 imes 10^{-18}$. Metrologia, 2019, 56, 065004.	1.2	184
41	Seconds-scale coherence on an optical clock transition in a tweezer array. Science, 2019, 366, 93-97.	12.6	95
42	Engineering Quantum States of Matter for Atomic Clocks in Shallow Optical Lattices. Physical Review Letters, 2019, 123, 123401.	7.8	30
43	Coherent light brightens the quantum science frontier. Physics Today, 2019, 72, 48-49.	0.3	2
44	Cluster State Generation with Spin-Orbit Coupled Fermionic Atoms in Optical Lattices. Physical Review Letters, 2019, 122, 160402.	7.8	15
45	Visible and ultraviolet laser spectroscopy of ThF. Journal of Molecular Spectroscopy, 2019, 358, 1-16.	1.2	8
46	Constraining the Spin-Dependent WIMP-Nucleon Cross Sections with XENON1T. Physical Review Letters, 2019, 122, 141301.	7.8	183
47	SAGE: A proposal for a space atomic gravity explorer. European Physical Journal D, 2019, 73, 1.	1.3	75
48	Direct Frequency Comb Spectroscopy with an Immersion Grating. , 2019, , .		1
49	Variational Spin-Squeezing Algorithms on Programmable Quantum Sensors. Physical Review Letters, 2019, 123, 260505.	7.8	72
50	Precision Test of the Limits to Universality in Few-Body Physics. Physical Review Letters, 2019, 123, 233402.	7.8	37
51	Light Dark Matter Search with Ionization Signals in XENON1T. Physical Review Letters, 2019, 123, 251801.	7.8	344
52	Search for Light Dark Matter Interactions Enhanced by the Migdal Effect or Bremsstrahlung in XENON1T. Physical Review Letters, 2019, 123, 241803.	7.8	158
53	Rovibrational quantum state resolution of the C ₆₀ fullerene. Science, 2019, 363, 49-54.	12.6	67
54	A degenerate Fermi gas of polar molecules. Science, 2019, 363, 853-856.	12.6	198

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55	Broadband molecular spectroscopy with optical frequency combs. Journal of Molecular Spectroscopy, 2019, 355, 66-78.	1.2	50
56	Engineering spin squeezing in a 3D optical lattice with interacting spin-orbit-coupled fermions. Physical Review Research, 2019, 1, .	3.6	25
57	Comb-resolved spectroscopy with immersion grating in long-wave infrared. Optics Express, 2019, 27, 1911.	3.4	16
58	Crystalline optical cavity at 4â€‰â€‰K with thermal-noise-limited instability and ultralow drift. Optica, 2019, 6, 240.	9.3	111
59	Phase-Matched Extreme-Ultraviolet Frequency-Comb Generation. , 2019, , .		0
60	Measuring Optical Frequency Ratios with Uncertainties Below 10â^'17 via the Boulder Atomic Clock Network. , 2019, , .		0
61	Imaging Optical Frequencies with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>100</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>Î¼ Precision and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1.1</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>Î¼ mathvariant="normal">m</mml:mi></mml:mrow></mml:math> Resolution. Physical Review Letters, 2018, 120, 103201.	7.8	128
62	Dynamics of interacting fermions under spinâ€“orbit coupling in an optical lattice clock. Nature Physics, 2018, 14, 399-404.	16.7	53
63	Direct measurements of DOCO isomers in the kinetics of OD + CO. Science Advances, 2018, 4, eaao4777.	10.3	22
64	Two Clock Transitions in Neutral Yb for the Highest Sensitivity to Variations of the Fine-Structure Constant. Physical Review Letters, 2018, 120, 173001.	7.8	56
65	Silicon Cavity at 4 Kelvin with Thermal Noise Limited Performance. , 2018, , .		0
66	A nozzle for high-density supersonic gas jets at elevated temperatures. Review of Scientific Instruments, 2018, 89, 113114.	1.3	7
67	3D Magneto-Optical Trap of Yttrium Monoxide. Physical Review Letters, 2018, 121, 213201.	7.8	137
68	An approach to spin-resolved molecular gas microscopy. New Journal of Physics, 2018, 20, 043031.	2.9	18
69	Emergence of multi-body interactions in a fermionic lattice clock. Nature, 2018, 563, 369-373.	27.8	60
70	Dark Matter Search Results from a One Ton-Year Exposure of XENON1T. Physical Review Letters, 2018, 121, 111302.	7.8	1,517
71	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.	4.7	136
72	Spectral analyses of trans- and cis-DOCO transients via comb spectroscopy. Molecular Physics, 2018, 116, 3710-3717.	1.7	7

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73	Phase-stabilized 100ÂmW frequency comb near 10ÂÎ¼m. Applied Physics B: Lasers and Optics, 2018, 124, 128.	2.2	29
74	Intrinsic backgrounds from Rn and Kr in the XENON100 experiment. European Physical Journal C, 2018, 78, 1.	3.9	15
75	Frequency Measurements of Superradiance from the Strontium Clock Transition. Physical Review X, 2018, 8, .	8.9	70
76	Enhancing radical molecular beams by skimmer cooling. Physical Chemistry Chemical Physics, 2018, 20, 11615-11621.	2.8	3
77	Phase-matched extreme-ultraviolet frequency-comb generation. Nature Photonics, 2018, 12, 387-391.	31.4	92
78	An optical frequency atomic clock based on quantum matter. , 2018, , .		0
79	Search for Electronic Recoil Event Rate Modulation with 4 Years of XENON100 Data. Physical Review Letters, 2017, 118, 101101.	7.8	49
80	Removing krypton from xenon by cryogenic distillation to the ppq level. European Physical Journal C, 2017, 77, 1.	3.9	35
81	OD + CO â†' D + CO2 branching kinetics probed with time-resolved frequency comb spectroscopy. Chemical Physics Letters, 2017, 683, 91-95.	2.6	8
82	One-dimensional magneto-optical compression of a cold CaF molecular beam. New Journal of Physics, 2017, 19, 033035.	2.9	15
83	New frontiers for quantum gases of polar molecules. Nature Physics, 2017, 13, 13-20.	16.7	167
84	Spinâ€“orbit-coupled fermions in an optical lattice clock. Nature, 2017, 542, 66-70.	27.8	195
85	A Fermi-degenerate three-dimensional optical lattice clock. Science, 2017, 358, 90-94.	12.6	283
86	Precision Measurement of the Electronâ€™s Electric Dipole Moment Using Trapped Molecular Ions. Physical Review Letters, 2017, 119, 153001.	7.8	298
87	Radio Frequency Magneto-Optical Trapping of CaF with High Density. Physical Review Letters, 2017, 119, 103201.	7.8	172
88	Cold molecules: Progress in quantum engineering of chemistry and quantum matter. Science, 2017, 357, 1002-1010.	12.6	320
89	Symplectic structure of statistical variational data assimilation. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 756-771.	2.7	5
90	Ultrastable Silicon Cavity in a Continuously Operating Closed-Cycle Cryostat at 4ÂK. Physical Review Letters, 2017, 119, 243601.	7.8	77

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91	First Dark Matter Search Results from the XENON1T Experiment. Physical Review Letters, 2017, 119, 181301.	7.8	757
92	Online ^{222} 222 Rn removal by cryogenic distillation in the XENON100 experiment. European Physical Journal C, 2017, 77, 1.	3.9	29
93	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1.5</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>Î¼<mathvariant="normal">m</mml:mi></mml:mrow></mml:math> Lasers with Sub-10ÂmHz Linewidth. Physical Review Letters, 2017, 118, 263202.	7.8	359
94	Controlling spin flips of molecules in an electromagnetic trap. Physical Review A, 2017, 96, .	2.5	27
95	The XENON1T dark matter experiment. European Physical Journal C, 2017, 77, 1.	3.9	157
96	Ultrastable lasers based on low thermal noise optical resonators. , 2017, , .		0
97	Gas-phase broadband spectroscopy using active sources: progress, status, and applications [Invited]. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 104.	2.1	105
98	Material radioassay and selection for the XENON1T dark matter experiment. European Physical Journal C, 2017, 77, 1.	3.9	36
99	1.5 Î¼m Lasers with sub 10 mHz Linewidth. , 2017, , .		5
100	High-performance near- and mid-infrared crystalline coatings. Optica, 2016, 3, 647.	9.3	132
101	A second generation of low thermal noise cryogenic silicon resonators. Journal of Physics: Conference Series, 2016, 723, 012031.	0.4	24
102	Sensitivity and resolution in frequency comb spectroscopy of buffer gas cooled polyatomic molecules. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	16
103	Gravitational wave detection with optical lattice atomic clocks. Physical Review D, 2016, 94, .	4.7	242
104	Optical atomic clock. , 2016, , .		1
105	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
106	Precision measurement and frequency metrology with ultracold atoms. National Science Review, 2016, 3, 189-200.	9.5	23
107	Continuous probing of cold complex molecules with infrared frequency comb spectroscopy. Nature, 2016, 533, 517-520.	27.8	92
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110	Optical cryogenic silicon resonators. , 2016, , .		0
111	Three-photon absorption in optical parametric oscillators based on OP-GaAs. Optics Letters, 2016, 41, 5405.	3.3	25
112	Doublon dynamics and polar molecule production in an optical lattice. Nature Communications, 2016, 7, 11279.	12.8	42
113	Synthetic Spin-Orbit Coupling in an Optical Lattice Clock. Physical Review Letters, 2016, 116, 035301.	7.8	99
114	Entanglement and spin squeezing in a network of distant optical lattice clocks. Physical Review A, 2016, 93, .	2.5	21
115	Collective atomic scattering and motional effects in a dense coherent medium. Nature Communications, 2016, 7, 11039.	12.8	145
116	Direct frequency comb measurement of OD + CO â†' DOCO kinetics. Science, 2016, 354, 444-448.	12.6	86
117	Low-loss crystalline coatings for the near- and mid-infrared. , 2016, , .		1
118	Broadband velocity modulation spectroscopy of ThF+ for use in a measurement of the electron electric dipole moment. Journal of Molecular Spectroscopy, 2016, 319, 1-9.	1.2	26
119	Advancements in Substrate-Transferred Crystalline Coatings. , 2016, , .		0
120	Laser stabilization on velocity dependent nonlinear dispersion of Sr atoms in an optical cavity. , 2015, , .		0
121	Optical Feshbach resonances: Field-dressed theory and comparison with experiments. Physical Review A, 2015, 92, .	2.5	39
122	Nonlinear spectroscopy of Sr atoms in an optical cavity for laser stabilization. Physical Review A, 2015, 92, .	2.5	22
123	Rotational State Microwave Mixing for Laser Cooling of Complex Diatomic Molecules. Physical Review Letters, 2015, 114, 223003.	7.8	77
124	Progress on the optical lattice clock. Comptes Rendus Physique, 2015, 16, 499-505.	0.9	10
125	Accurate removal of RAM from FM laser beams. , 2015, , .		3
126	Observation of Motion-Dependent Nonlinear Dispersion with Narrow-Linewidth Atoms in an Optical Cavity. Physical Review Letters, 2015, 114, 093002.	7.8	26

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127	Optical atomic clocks. Reviews of Modern Physics, 2015, 87, 637-701.	45.6	1,421
128	Cavity-Enhanced Field-Free Molecular Alignment at a High Repetition Rate. Physical Review Letters, 2015, 114, 153001.	7.8	10
129	Prospects for a narrow line MOT in YO. New Journal of Physics, 2015, 17, 055008.	2.9	34
130	Systematic evaluation of an atomic clock at 2 Ã— 10âˆ’18 total uncertainty. Nature Communications, 2015, 6, 6896.	12.8	584
131	Creation of a low-entropy quantum gas of polar molecules in an optical lattice. Science, 2015, 350, 659-662.	12.6	164
132	Probing Buffer-Gas Cooled Molecules with Direct Frequency Comb Spectroscopy in the Mid-Infrared. , 2015, , .		0
133	Cavity-Enhanced Mid-IR Optical Frequency Comb Spectroscopy: Enhanced Time and Spectral Resolution. , 2015, , .		1
134	Ultrastable laser with average fractional frequency drift rate below 5 Ã— 10^âˆ’19/s. Optics Letters, 2014, 39, 5102.	3.3	56
135	Reduction of residual amplitude modulation to 1 Ã— 10^-6 for frequency modulation and laser stabilization. Optics Letters, 2014, 39, 1980.	3.3	125
136	Many-Body Dynamics of Dipolar Molecules in an Optical Lattice. Physical Review Letters, 2014, 113, 195302.	7.8	162
137	Probing many-body interactions in an optical lattice clock. Annals of Physics, 2014, 340, 311-351.	2.8	52
138	State-specific detection of trapped HfF+ by photodissociation. Journal of Molecular Spectroscopy, 2014, 300, 12-15.	1.2	23
139	An optical lattice clock with accuracy and stability at the 10âˆ’18 level. Nature, 2014, 506, 71-75.	27.8	822
140	Thermal noise in optical reference resonators. , 2014, , .		0
141	Prospects for frequency stabilization using collective effects of strontium atoms in an optical cavity. , 2014, , .		0
142	Mid-Infrared Time-Resolved Frequency Comb Spectroscopy of Transient Free Radicals. Journal of Physical Chemistry Letters, 2014, 5, 2241-2246.	4.6	110
143	Suppressing the Loss of Ultracold Molecules Via the Continuous Quantum Zeno Effect. Physical Review Letters, 2014, 112, 070404.	7.8	117
144	Extreme ultraviolet radiation with coherence time greater than 1Âs. Nature Photonics, 2014, 8, 530-536.	31.4	77

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145	Spectroscopic observation of SU(N)-symmetric interactions in Sr orbital magnetism. Science, 2014, 345, 1467-1473.	12.6	290
146	Cold State-Selected Molecular Collisions and Reactions. Annual Review of Physical Chemistry, 2014, 65, 501-518.	10.8	80
147	Heisenberg-Limited Atom Clocks Based on Entangled Qubits. Physical Review Letters, 2014, 112, 190403.	7.8	92
148	A quantum network of clocks. Nature Physics, 2014, 10, 582-587.	16.7	435
149	Cavity-Enhanced Direct Frequency Comb Spectroscopy. Springer Series in Optical Sciences, 2014, , 271-321.	0.7	13
150	Time Resolved Frequency Comb Spectroscopy for Studying Gas Phase Free Radical Kinetics. , 2014, , .		0
151	MolÃ©cules polaires ultrafroides dans le rÃ©gime quantique. , 2014, , 14-18.	0.1	0
152	Tenfold reduction of Brownian noise in high-reflectivity optical coatings. Nature Photonics, 2013, 7, 644-650.	31.4	297
153	Precision Spectroscopy of Polarized Molecules in an Ion Trap. Science, 2013, 342, 1220-1222.	12.6	96
154	A Quantum Many-Body Spin System in an Optical Lattice Clock. Science, 2013, 341, 632-636.	12.6	152
155	An exotic quantum object. Nature Physics, 2013, 9, 694-695.	16.7	2
156	Observation of dipolar spin-exchange interactions with lattice-confined polar molecules. Nature, 2013, 501, 521-525.	27.8	671
157	2D Magneto-Optical Trapping of Diatomic Molecules. Physical Review Letters, 2013, 110, 143001.	7.8	323
158	Realizing Fractional Chern Insulators in Dipolar Spin Systems. Physical Review Letters, 2013, 110, 185302.	7.8	167
159	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.	2.2	134
160	Electric-field-induced inelastic collisions between magnetically trapped hydroxyl radicals. Molecular Physics, 2013, 111, 1798-1804.	1.7	13
161	Optical Spectrum Analyzer with Quantum-Limited Noise Floor. Physical Review Letters, 2013, 111, 093604.	7.8	58
162	High Brightness XUV Frequency Combs via Intracavity High Harmonic Generation. EPJ Web of Conferences, 2013, 41, 11006.	0.3	1

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163	Fourier Transform Direct Frequency Comb Spectroscopy in the Near- and Mid-Infrared. , 2013, , .		0
164	Crystalline coatings for ultra-low-noise optical cavities. , 2013, , .		0
165	Phase Coherent Extreme Ultraviolet Radiation. , 2013, , .		0
166	Mid-infrared virtually imaged phased array spectrometer for rapid and broadband trace gas detection. Optics Letters, 2012, 37, 3285.	3.3	102
167	Full phase stabilization of a Yb:fiber femtosecond frequency comb via high-bandwidth transducers. Optics Letters, 2012, 37, 2196.	3.3	53
168	Anisotropic Polarizability of Ultracold Polar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">K</mml:mi><mml:mprescripts /><mml:none /><mml:mn>40</mml:mn></mml:mmultiscripts><mml:mmultiscripts><mml:mi>Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>87</mml:mn></mml:mmultiscripts></mml:math>Molecules. Physical Review Letters, 2012, 109, 230403.	7.8	85
169	Microwave state transfer and adiabatic dynamics of magnetically trapped polar molecules. Physical Review A, 2012, 85, .	2.5	19
170	Phase Stabilization of a Yb:fiber Frequency Comb via High-Bandwidth Transducers. , 2012, , .		0
171	Evaporative cooling of the dipolar hydroxyl radical. Nature, 2012, 492, 396-400.	27.8	160
172	Hydrogen-Peroxide-Enhanced Nonthermal Plasma Effluent for Biomedical Applications. IEEE Transactions on Plasma Science, 2012, 40, 1984-1991.	1.3	45
173	Broadband velocity modulation spectroscopy of HfF+: Towards a measurement of the electron electric dipole moment. Chemical Physics Letters, 2012, 546, 1-11.	2.6	49
174	Operating a ⁸⁷Sr optical lattice clock with high precision and at high density. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 416-425.	3.0	34
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176	A sub-40-mHz-linewidth laser based on a silicon single-crystal optical cavity. Nature Photonics, 2012, 6, 687-692.	31.4	571
177	Introduction to Ultracold Molecules: New Frontiers in Quantum and Chemical Physics. Chemical Reviews, 2012, 112, 4801-4802.	47.7	104
178	Comparison of Two Independent Sr Optical Clocks with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:mo mathvariant="bold">Ã—</mml:mo><mml:msup><mml:mn>10</mml:mn><mml:mrow><mml:mo>â^'</mml:mo><mml:mn>17</mml:mn></mml:mrow></mml:msup></mml:math>at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>10</mml:mn><mml:mn>3</mml:mn></mml:msup><mml:mtext>â€‰</mml:mtext><mml:mtext mathvariant="bold">s</mml:mtext></mml:math>. Physical Review Letters, 2012, 109, 230801.	7.8	162
179	Long-Lived Dipolar Molecules and Feshbach Molecules in a 3D Optical Lattice. Physical Review Letters, 2012, 108, 080405.	7.8	207
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182	Extreme Nonlinear Optics in a Femtosecond Enhancement Cavity. Physical Review Letters, 2011, 107, 183903.	7.8	78
183	Cold heteromolecular dipolar collisions. Physical Chemistry Chemical Physics, 2011, 13, 19059.	2.8	85
184	Optical frequency comb spectroscopy. Faraday Discussions, 2011, 150, 23.	3.2	90
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186	Power optimization of XUV frequency combs for spectroscopy applications [Invited]. Optics Express, 2011, 19, 23483.	3.4	51
187	Broadband phase noise suppression in a Yb-fiber frequency comb. Optics Letters, 2011, 36, 743.	3.3	27
188	Broadband Phase-Noise Suppression in a Yb-based Optical Frequency Comb. , 2011, , .		0
189	1.5 Octave Highly Coherent Fiber Frequency Comb. , 2011, , .		0
190	Broadband Direct Frequency Comb Spectroscopy in the Mid-Infrared. , 2011, , .		0
191	Polar molecules in the quantum regime. Physics Today, 2011, 64, 27-31.	0.3	39
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