

Rudolf Grimm

List of Publications by Year in descending order

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176
papers

19,820
citations

16451

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177
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177
docs citations

177
times ranked

6058
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond-mean-field description of a trapped unitary Fermi gas with mass and population imbalance. Physical Review A, 2021, 103, .	2.5	12
2	Stability and breakdown of Fermi polarons in a strongly interacting Fermi-Bose mixture. Physical Review A, 2021, 103, .	2.5	25
3	Measurement of the dynamic polarizability of Dy atoms near the 626-nm intercombination line. Physical Review A, 2021, 104, .	2.5	3
4	Resonantly Interacting Fermi-Fermi Mixture of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Dy} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 161 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	7.8	27
5	Efimov States in an Ultracold Gas: How it Happened in the Laboratory. Few-Body Systems, 2019, 60, 1.	1.5	4
6	Breathing mode of a Bose-Einstein condensate repulsively interacting with a fermionic reservoir. Physical Review A, 2019, 99, .	2.5	19
7	Production of a degenerate Fermi-Fermi mixture of dysprosium and potassium atoms. Physical Review A, 2018, 98, .	2.5	51
8	Accurate Determination of the Dynamical Polarizability of Dysprosium. Physical Review Letters, 2018, 120, 223001.	7.8	29
9	Probing the Interface of a Phase-Separated State in a Repulsive Bose-Fermi Mixture. Physical Review Letters, 2018, 120, 243403.	7.8	51
10	Quantum Engineering of a Low-Entropy Gas of Heteronuclear Bosonic Molecules in an Optical Lattice. Physical Review Letters, 2017, 118, 073201.	7.8	59
11	Thermometry of a deeply degenerate Fermi gas with a Bose-Einstein condensate. Physical Review A, 2017, 95, .	2.5	25
12	Lifetime of Feshbach dimers in a Fermi-Fermi mixture of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mtext} \rangle \text{Li} \langle \text{mml:mtext} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mtext} \rangle \text{K} \langle \text{mml:mtext} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 40 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$.	2.5	15
13	Ultrafast many-body interferometry of impurities coupled to a Fermi sea. Science, 2016, 354, 96-99.	12.6	252
14	Finite-temperature effects on a triatomic Efimov resonance in ultracold cesium. Physical Review A, 2015, 91, .	2.5	15
15	Decoherence of Impurities in a Fermi Sea of Ultracold Atoms. Physical Review Letters, 2015, 115, 135302.	7.8	93
16	Ultracold Dipolar Molecules Composed of Strongly Magnetic Atoms. Physical Review Letters, 2015, 115, 203201.	7.8	76
17	Anisotropic Relaxation Dynamics in a Dipolar Fermi Gas Driven Out of Equilibrium. Physical Review Letters, 2014, 113, 263201.	7.8	29
18	Three-body parameter for Efimov states in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Li} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 6 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$. Physical Review A, 2014, 90, .	2.5	23

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19	Resonant atom-dimer collisions in cesium: Testing universality at positive scattering lengths. Physical Review A, 2014, 90, .	2.5	30
20	Observation of a Strong Atom-Dimer Attraction in a Mass-Imbalanced Fermi-Fermi Mixture. Physical Review Letters, 2014, 112, 075302.	7.8	52
21	Observation of the Second Triatomic Resonance in Efimov's Scenario. Physical Review Letters, 2014, 112, 190401.	7.8	120
22	Reaching Fermi Degeneracy via Universal Dipolar Scattering. Physical Review Letters, 2014, 112, 010404.	7.8	167
23	Ultracold Dense Samples of Dipolar RbCs Molecules in the Rovibrational and Hyperfine Ground State. Physical Review Letters, 2014, 113, 205301.	7.8	419
24	Quantum degenerate mixtures of strontium and rubidium atoms. Physical Review A, 2013, 88, .	2.5	109
25	Production of quantum-degenerate strontium gases. Physical Review A, 2013, 87, .	2.5	78
26	Feshbach resonances, weakly bound molecular states, and coupled-channel potentials for cesium at high magnetic fields. Physical Review A, 2013, 87, .	2.5	88
27	Second sound and the superfluid fraction in a Fermi gas with resonant interactions. Nature, 2013, 498, 78-81.	27.8	154
28	Laser Cooling to Quantum Degeneracy. Physical Review Letters, 2013, 110, 263003.	7.8	106
29	Collective Modes in a Unitary Fermi Gas across the Superfluid Phase Transition. Physical Review Letters, 2013, 110, 055303.	7.8	50
30	Resonant five-body recombination in an ultracold gas of bosonic atoms. New Journal of Physics, 2013, 15, 043040.	2.9	35
31	Higher-nodal collective modes in a resonantly interacting Fermi gas. Physical Review A, 2013, 87, .	2.5	15
32	Creation of Ultracold Sr_2 Molecules in the Electronic Ground State. Physical Review Letters, 2012, 109, 115302.	7.8	101
33	Towards the production of ultracold ground-state RbCs molecules: Feshbach resonances, weakly bound states, and the coupled-channel model. Physical Review A, 2012, 85, .	2.5	131
34	Metastability and coherence of repulsive polarons in a strongly interacting Fermi mixture. Nature, 2012, 485, 615-618.	27.8	372
35	Narrow-line magneto-optical trap for erbium. Physical Review A, 2012, 85, .	2.5	77
36	Bose-Einstein Condensation of Erbium. Physical Review Letters, 2012, 108, 210401.	7.8	660

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37	Molecular spectroscopy for ground-state transfer of ultracold RbCs molecules. Physical Chemistry Chemical Physics, 2011, 13, 18926.	2.8	68
38	Feshbach resonances in the 6Li-40K Fermi-Fermi mixture: elastic versus inelastic interactions. European Physical Journal D, 2011, 65, 55-65.	1.3	42
39	Production of a dual-species Bose-Einstein condensate of Rb and Cs atoms. European Physical Journal D, 2011, 65, 3-9.	1.3	96
40	Topical issue on cold quantum matter. European Physical Journal D, 2011, 65, 1-2.	1.3	2
41	Efimov Resonances in Ultracold Quantum Gases. Few-Body Systems, 2011, 51, 113-133.	1.5	118
42	Observation of interference between two molecular Bose-Einstein condensates. New Journal of Physics, 2011, 13, 065027.	2.9	27
43	Superfluid quenching of the moment of inertia in a strongly interacting Fermi gas. New Journal of Physics, 2011, 13, 035003.	2.9	30
44	Hydrodynamic Expansion of a Strongly Interacting Fermi-Fermi Mixture. Physical Review Letters, 2011, 106, 115304.	7.8	69
45	Detection and manipulation of nuclear spin states in fermionic strontium. Physical Review A, 2011, 84, .	2.5	60
46	Pairing-gap, pseudogap, and no-gap phases in the radio-frequency spectra of a trapped unitary Li_6 gas. Physical Review A, 2011, 84, .	2.5	18
47	Universality of the Three-Body Parameter for Efimov States in Ultracold Cesium. Physical Review Letters, 2011, 107, 120401.	7.8	180
48	Collisions of ultracold trapped cesium Feshbach molecules. Laser Physics, 2010, 20, 23-31.	1.2	11
49	Double-degenerate Bose-Fermi mixture of strontium. Physical Review A, 2010, 82, .	2.5	94
50	Bose-Einstein condensation of Sr^{86} . Physical Review A, 2010, 82, .	2.5	40
51	All-optical production of a degenerate mixture of $RbLi_3$. Physical Review Letters, 2010, 106, 105701.	2.5	106
52	Pairing-gap, pseudogap, and no-gap phases in the radio-frequency spectra of a trapped unitary $RbLi_6$ and KLi_4 . Physical Review A, 2010, 82, .	2.5	50
53	Feshbach resonances in ultracold gases. Reviews of Modern Physics, 2010, 82, 1225-1286.	45.6	2,905
54	Magnetically Controlled Exchange Process in an Ultracold Atom-Dimer Mixture. Physical Review Letters, 2010, 104, 053201.	7.8	77

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55	Determination of atomic scattering lengths from measurements of molecular binding energies near Feshbach resonances. Physical Review A, 2009, 79, .	2.5	81
56	All-optical production of a doubly degenerate Fermi-Fermi mixture. , 2009, , .		0
57	Lifetime of angular momentum in a rotating strongly interacting Fermi gas. Physical Review A, 2009, 79, .	2.5	5
58	Collisional Stability of K Immersed in a Strongly Interacting Fermi Gas of Li . Physical Review Letters, 2009, 103, 223203.	7.8	84
59	Observation of interspecies Feshbach resonances in an ultracold Rb-Cs mixture. Physical Review A, 2009, 79, .	2.5	101
60	Observation of an Efimov-like trimer resonance in ultracold atom-dimer scattering. Nature Physics, 2009, 5, 227-230.	16.7	213
61	Bose-Einstein Condensation of Strontium. Physical Review Letters, 2009, 103, 200401.	7.8	177
62	Evidence for Universal Four-Body States Tied to an Efimov Trimer. Physical Review Letters, 2009, 102, 140401.	7.8	182
63	Dark state experiments with ultracold, deeply-bound triplet molecules. Faraday Discussions, 2009, 142, 271.	3.2	6
64	Observation of an Efimov resonance in an ultracold mixture of atoms and weakly bound dimers. Journal of Physics: Conference Series, 2009, 194, 012064.	0.4	4
65	Ultracold Feshbach Molecules. , 2009, , .		0
66	Ultracold Triplet Molecules in the Rovibrational Ground State. Physical Review Letters, 2008, 101, 133005.	7.8	333
67	Cruising through molecular bound-state manifolds with radiofrequency. Nature Physics, 2008, 4, 223-226.	16.7	52
68	Exploring an Ultracold Fermi-Fermi Mixture: Interspecies Feshbach Resonances and Scattering Properties of LiK and LiK . Physical Review Letters, 2008, 101, 083002.	7.8	263
69	Metastable Feshbach Molecules in High Rotational States. Physical Review Letters, 2008, 100, 083002.	7.8	22
70	Collective oscillations of a Fermi gas in the unitarity limit: Temperature effects and the role of pair correlations. Physical Review A, 2008, 78, .	2.5	74
71	Collisions between Tunable Halo Dimers: Exploring an Elementary Four-Body Process with Identical Bosons. Physical Review Letters, 2008, 101, 023201.	7.8	51
72	Precision Measurements of Collective Oscillations in the BEC-BCS Crossover. Physical Review Letters, 2007, 98, 040401.	7.8	197

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73	Spectroscopy of ultracold trapped cesium Feshbach molecules. Physical Review A, 2007, 76, .	2.5	67
74	ÅœStÃ¼ckelberg Interferometry with Ultracold Molecules. Physical Review Letters, 2007, 99, 113201.	7.8	64
75	Finite-Temperature Collective Dynamics of a Fermi Gas in the BEC-BCS Crossover. Physical Review Letters, 2007, 99, 150403.	7.8	63
76	Dynamics of a strongly interacting Fermi gas: The radial quadrupole mode. Physical Review A, 2007, 76, .	2.5	47
77	New developments in strongly interacting fermi gases. , 2007, , .		0
78	Coherent Optical Transfer of Feshbach Molecules to a Lower Vibrational State. Physical Review Letters, 2007, 98, 043201.	7.8	154
79	Repulsively Bound Atom Pairs: Overview, Simulations and Links. AIP Conference Proceedings, 2006, , .	0.4	1
80	Experimental Evidence for Efimov Quantum States. AIP Conference Proceedings, 2006, , .	0.4	6
81	Evidence for Efimov quantum states in an ultracold gas of caesium atoms. Nature, 2006, 440, 315-318.	27.8	892
82	Repulsively bound atom pairs in an optical lattice. Nature, 2006, 441, 853-856.	27.8	491
83	Long-Lived Feshbach Molecules in a Three-Dimensional Optical Lattice. Physical Review Letters, 2006, 96, 050402.	7.8	140
84	Efficient creation of molecules from a cesium Bose-Einstein condensate. Europhysics Letters, 2005, 69, 706-712.	2.0	45
85	Two-Dimensional Gas of Cesium Atoms Confined by Evanescent Waves. , 2005, , 261-269.		0
86	A quantum revolution. Nature, 2005, 435, 1035-1036.	27.8	17
87	Inducing an optical Feshbach resonance via stimulated Raman coupling. Physical Review A, 2005, 71, .	2.5	85
88	Observation of Feshbach-Like Resonances in Collisions between Ultracold Molecules. Physical Review Letters, 2005, 94, 123201.	7.8	139
89	Precise Determination of Li6 Cold Collision Parameters by Radio-Frequency Spectroscopy on Weakly Bound Molecules. Physical Review Letters, 2005, 94, 103201.	7.8	234
90	Atom-Molecule Dark States in a Bose-Einstein Condensate. Physical Review Letters, 2005, 95, 063202.	7.8	156

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91	Crossover from a Molecular Bose-Einstein Condensate to a Degenerate Fermi Gas. Physical Review Letters, 2004, 92, 120401.	7.8	593
92	Observation of the Pairing Gap in a Strongly Interacting Fermi Gas. Science, 2004, 305, 1128-1130.	12.6	708
93	Thermal equilibrium and efficient evaporation of an ultracold atom-molecule mixture. Physical Review A, 2004, 69, .	2.5	32
94	Collective Excitations of a Degenerate Gas at the BEC-BCS Crossover. Physical Review Letters, 2004, 92, 203201.	7.8	507
95	Optimized production of a cesium Bose-Einstein condensate. Applied Physics B: Lasers and Optics, 2004, 79, 1013-1019.	2.2	71
96	Tuning the Scattering Length with an Optically Induced Feshbach Resonance. Physical Review Letters, 2004, 93, 123001.	7.8	471
97	Two-Dimensional Bose-Einstein Condensate in an Optical Surface Trap. Physical Review Letters, 2004, 92, 173003.	7.8	158
98	EXPERIMENTS WITH A BOSE-EINSTEIN CONDENSATE OF CESIUM ATOMS. , 2004, , .		1
99	Crossover to 2D in a double-evanescent wave trap. European Physical Journal Special Topics, 2004, 116, 241-245.	0.2	0
100	Laser-Cooled Ions and Atoms in a Storage Ring. Hyperfine Interactions, 2003, 146/147, 189-195.	0.5	0
101	New method to measure the friction force of electron coolers in heavy-ion storage rings. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 498, 16-21.	1.6	3
102	Bose-Einstein Condensation of Cesium. Science, 2003, 299, 232-235.	12.6	397
103	Bose-Einstein Condensation of Molecules. Science, 2003, 302, 2101-2103.	12.6	989
104	Pure Gas of Optically Trapped Molecules Created from Fermionic Atoms. Physical Review Letters, 2003, 91, 240402.	7.8	268
105	Three-Body Recombination at Large Scattering Lengths in an Ultracold Atomic Gas. Physical Review Letters, 2003, 91, 123201.	7.8	197
106	Evanescent-Wave Trapping and Evaporative Cooling of an Atomic Gas at the Crossover to Two Dimensions. Physical Review Letters, 2003, 90, 173001.	7.8	49
107	Preparation of a Pure Molecular Quantum Gas. Science, 2003, 301, 1510-1513.	12.6	356
108	Laser-Cooled Ions and Atoms in a Storage Ring. , 2003, , 189-195.		0

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109	Sympathetic Cooling with Two Atomic Species in an Optical Trap. Physical Review Letters, 2002, 88, 253001.	7.8	121
110	Cold-atom gas at very high densities in an optical surface microtrap. Physical Review A, 2002, 66, .	2.5	23
111	Magnetic Field Control of Elastic Scattering in a Cold Gas of Fermionic Lithium Atoms. Physical Review Letters, 2002, 89, 273202.	7.8	61
112	Resonator-enhanced optical dipole trap for fermionic lithium atoms. Optics Letters, 2001, 26, 1837.	3.3	41
113	Mixture of ultracold lithium and cesium atoms in an optical dipole trap. Applied Physics B: Lasers and Optics, 2001, 73, 791-799.	2.2	75
114	Evaporative cooling of cesium atoms in the gravito-optical surface trap. Comptes Rendus Physique, 2001, 2, 625-631.	0.1	1
115	Kristalliner Ionenstrahl im Mini-Speicherring. Physik Journal, 2001, 57, 16-17.	0.1	0
116	Laser-trapped atoms as a precision target for the storage ring TSR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 441, 81-86.	1.6	5
117	Laser cooling of fast stored ions in barrier buckets. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 441, 209-218.	1.6	13
118	Anomalous behaviour of laser cooled fast ion beams. , 2000, 127, 223-235.		14
119	Optical and evaporative cooling of caesium atoms in the gravito-optical surface trap. Journal of Modern Optics, 2000, 47, 2755-2767.	1.3	26
120	Very long storage times and evaporative cooling of cesium atoms in a quasioleostatic dipole trap. Physical Review A, 2000, 62, .	2.5	25
121	Optical Dipole Traps for Neutral Atoms. Advances in Atomic, Molecular and Optical Physics, 2000, , 95-170.	2.3	1,042
122	Atom- und MolekÄ¼lphysik: Optische Dipolfallen: Experimente mit ultrakalten Atomen und anderen kleinen Teilchen im LichtkÄ¼fig. Physik Journal, 1999, 55, 41-47.	0.1	2
123	Cold inelastic collisions between lithium and cesium in a two-species magneto-optical trap. European Physical Journal D, 1999, 7, 331.	1.3	40
124	Simple scheme for tunable frequency offset locking of two lasers. Review of Scientific Instruments, 1999, 70, 242-243.	1.3	108
125	Bunched laser cooling of a stored weak 7Li^+ ion beam in a pure triplet state. , 1998, 115, 53-56.		0
126	First demonstration of "white-light" laser cooling of a stored ion beam. , 1998, 115, 47-52.		0

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127	Magneto-optic trapping of lithium using semiconductor lasers. Optics Communications, 1998, 158, 263-272.	2.1	43
128	Optical traps for quantum gases. Applied Physics B: Lasers and Optics, 1998, 67, 709-718.	2.2	15
129	Generation of a hollow laser beam for atom trapping using an axicon. Optics Communications, 1998, 147, 67-70.	2.1	143
130	Gravito-optical atom trap based on a conical hollow beam. Europhysics Letters, 1998, 43, 510-515.	2.0	26
131	Manipulation of spin-polarized atoms in an optical dipole-force trap. Europhysics Letters, 1998, 44, 700-706.	2.0	8
132	Optically induced spin precession and echo in an atomic beam. Physical Review A, 1998, 58, 3993-3998.	2.5	19
133	Transverse Laser Cooling of a Fast Stored Ion Beam through Dispersive Coupling. Physical Review Letters, 1998, 81, 2052-2055.	7.8	48
134	“White-light” Laser Cooling of a Fast Stored Ion Beam. Physical Review Letters, 1998, 80, 2129-2132.	7.8	25
135	Rapid adiabatic passage in laser cooling of fast stored ion beams. Physical Review A, 1998, 58, 2242-2251.	2.5	12
136	Short-Distance Atomic Beam Deceleration with a Stimulated Light Force. Physical Review Letters, 1997, 78, 1420-1423.	7.8	96
137	Surface Trap for Cs atoms based on Evanescent-Wave Cooling. Physical Review Letters, 1997, 79, 2225-2228.	7.8	184
138	Laserkühlung von Ionenstrahlen in allen Raumrichtungen. Physik Journal, 1997, 53, 135-136.	0.1	0
139	Test of special relativity in a heavy ion storage ring. , 1997, , 131-139.		0
140	Preparation of relativistic 7Li^+ ion beams for precision experiments at storage rings. , 1997, 108, 241-250.		2
141	Ion beam preparation of 7Li^+ for precision experiments at heavy ion storage rings. Nuclear Physics A, 1997, 626, 499-509.	1.5	1
142	Non-magnetic atom trap based on a 3D bichromatic optical superlattice. Optics Communications, 1997, 137, 406-412.	2.1	14
143	<title>Cooling atoms in dark gravitational laser traps</title>. , 1996, , .		0
144	Laser-cooled and trapped atoms as a precision target for heavy ion beams. Hyperfine Interactions, 1996, 99, 127-133.	0.5	3

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145	White-light laser cooling of ions in a storage ring. <i>Hyperfine Interactions</i> , 1996, 99, 259-265.	0.5	11
146	Electron cooling and recombination experiments with an adiabatically expanded electron beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 369, 11-22.	1.6	64
147	Transverse laser cooling of a radio-frequency bunched ion beam in the storage ring TSR. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 383, 634-636.	1.6	16
148	Efficient, Indirect Transverse Laser Cooling of a Fast Stored Ion Beam. <i>Physical Review Letters</i> , 1996, 77, 623-626.	7.8	46
149	Gravitational laser trap for atoms with evanescent-wave cooling. <i>Optics Communications</i> , 1995, 119, 652-662.	2.1	103
150	Crystalline Ion Beams. <i>Annual Review of Nuclear and Particle Science</i> , 1995, 45, 391-428.	10.2	48
151	Stimulated magneto-optical force in the dressed-atom picture. <i>Physical Review A</i> , 1994, 50, 2517-2527.	2.5	6
152	Coherent beam splitter for atoms based on a bichromatic standing light wave. <i>Optics Letters</i> , 1994, 19, 658.	3.3	52
153	Rectified dipole force in a bichromatic standing light wave. <i>Optics Communications</i> , 1993, 102, 155-165.	2.1	11
154	Sub-Doppler manifestation of the magneto-optical radiation force. <i>Optics Communications</i> , 1993, 98, 54-60.	2.1	5
155	Die magnetooptische Lichtkraft. <i>Physik Journal</i> , 1993, 49, 888-889.	0.1	0
156	Laser cooling of stored high-velocity ions by means of the spontaneous force. <i>Physical Review A</i> , 1993, 48, 2127-2144.	2.5	42
157	Observation of the Magneto-Optical Radiation Force by Laser Spectroscopy. <i>Europhysics Letters</i> , 1992, 20, 101-106.	2.0	12
158	Laser spectroscopy with a cooler ring at the esr (GSI) and the TSR (MPI Heidelberg). <i>Hyperfine Interactions</i> , 1992, 74, 277-285.	0.5	1
159	A strong magneto-optical force exerted on neutral atoms. <i>Journal De Physique II</i> , 1992, 2, 593-599.	0.9	7
160	Dipole force rectification in a monochromatic laser field. <i>Optics Communications</i> , 1991, 84, 18-22.	2.1	23
161	Behaviour of the friction force in a bichromatic standing light wave. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1991, 24, L539-L543.	1.5	3
162	Rectification of the gradient force acting on a three-level atom in a bichromatic standing light wave. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1991, 24, 3733-3740.	1.5	16

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163	Observation of a Strong Rectified Dipole Force in a Bichromatic Standing Light Wave. Physical Review Letters, 1990, 65, 3210-3210.	7.8	3
164	Light-pressure-induced nonlinear dispersion of a laser field interacting with an atomic gas. Physical Review A, 1990, 42, 2890-2905.	2.5	7
165	Observation of a strong rectified dipole force in a bichromatic standing light wave. Physical Review Letters, 1990, 65, 1415-1418.	7.8	81
166	Measurement of the Effect of Resonant Light Pressure on the Dispersion Curve of a Gas of Two-Level Atoms. , 1990, , 447-451.		0
167	Light-pressure-induced line-shape asymmetry of the saturation dip in an atomic gas. Physical Review Letters, 1989, 63, 232-235.	7.8	20
168	The effect of resonant light pressure in saturation spectroscopy. Applied Physics B, Photophysics and Laser Chemistry, 1989, 49, 179-189.	1.5	43
169	Observation of Light-Pressure-Induced Line-Shape Asymmetries of Saturated Absorption and Dispersion Resonances. , 1989, , 40-43.		0
170	Raman heterodyne Ramsey spectroscopy in a Samarium atomic beam. Applied Physics B, Photophysics and Laser Chemistry, 1988, 45, 77-82.	1.5	10
171	Light-pressure-induced nonlinear dispersion in a Doppler-broadened medium: theory and experimental proposal. Journal of the Optical Society of America B: Optical Physics, 1988, 5, 1655.	2.1	10
172	Observation of Light-Pressure-Induced Dispersion in Yb Vapor. Physical Review Letters, 1988, 61, 2308-2311.	7.8	12
173	Raman heterodyne ramsey spectroscopy in local space and velocity space. , 1987, , 249-263.		1
174	Evaporative cooling in optical dipole traps. , 0, , .		0
175	Molecular BEC and the crossover to a fermionic superfluid. , 0, , .		0
176	Forty years of Efimov physics: How a bizarre prediction turned into a hot topic. Physics Magazine, 0, 3, .	0.1	118