Ruvin Ferber

List of Publications by Year
in descending order

114 papers	1,971 citations	236925 25 h-index	345221 36 g-index
116 all docs	116 docs citations	116 times ranked	786 citing authors

#	Article	IF	Citations
1	Observation and modeling of bound-free transitions to the <i>X</i>1Î£+ and <i>a</i>3Î£+ states of KCs. Journal of Chemical Physics, 2022, 156, 114305.	3.0	3
2	The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si18.svg"><mml:mrow><mml:msup><mml:mi>a</mml:mi><mml:mn>3</mml:mn></mml:msup><mml:msup><mml:mstyle mathvariant="normal"><mml:mi>Î£</mml:mi></mml:mstyle><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:math> state of KCs revisited: Hyperfine structure analysis and potential refinement. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 283, 108124.	2.3	1
3	Cross-relaxation studies with optically detected magnetic resonances in nitrogen-vacancy centers in diamond in external magnetic field. Physical Review B, 2021, 103, .	3.2	3
4	Fourier-transform spectroscopy and relativistic electronic structure calculation on the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si28.svg"><mml:mrow><mml:msup><mml:mi>c</mml:mi><mml:mn>3</mml:mn></mml:msup><mml:msup><mml:mstyle mathvariant="normal"><mml:mi>Î£</mml:mi></mml:mstyle><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:math> state of KCs. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 276, 107902.	2.3	7
5	A Numbers-Based Approach to a Free Particleâ€™s Proper Spacetime. Foundations of Physics, 2021, 51, 1.	1.3	0
6	The branching ratio of intercombination <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si42.svg"><mml:mrow><mml:msup><mml:mi>A</mml:mi><mml:mn>1</mml:mn></mml:msup><mml:msup><mml:mstyle mathvariant="normal"><mml:mi>Î£</mml:mi></mml:mstyle><mml:mo>+</mml:mo></mml:msup><mml:mo>â^¼</mml:mo><mml:msu mathvariant="normal"><mml:mi>Î</mml:mi></mml:mstyle><mml:mo>â†'</mml:mo><mml:msup><mml:mi>a</mml:mi><mml:mn>3</m Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 256, 107291.	2.3	6
7	Dynamic of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mn>14</mml:mn></mml:mmultiscripts></mml:math> nuclear spin polarization in nitrogen-vacancy centers in diamond. Physical Review B, 2020, 102, .	3.2	14
8	Fourier-transform spectroscopy, relativistic electronic structure calculation, and coupled-channel deperturbation analysis of the fully mixed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:msup><mml:mspace width="0.16em" /><mml:mn>1</mml:mn></mml:msup><mml:msubsup><mml:mi mathvariant="normal">Î£</mml:mi><mml:mi>u</mml:mi><mml:mo>+</mml:mo></mml:msubsup></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>b</mml:mi>.	2.5	9
9	Hyperfine level structure in nitrogen-vacancy centers near the ground-state level anticrossing. Physical Review B, 2019, 100, .	3.2	14
10	Line Identification of Atomic and Ionic Spectra of Holmium in the Visible Spectral Range. II. Spectrum of Ho ii and Ho iii. Astrophysical Journal, Supplement Series, 2019, 240, 28.	7.7	10
11	Line Identification of Atomic and Ionic Spectra of Holmium in the Visible Spectral Range. I. Spectrum of Ho i. Astrophysical Journal, Supplement Series, 2019, 240, 27.	7.7	13
12	Detection of magnetic thin film impurity phases using nitrogen vacancy centers in diamond crystal. , 2019, , .		0
13	Fourier-transform spectroscopy, direct potential fit, and electronic structure calculations on the entirely perturbed (4) <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mspace width="0.16em" /><mml:mn>1</mml:mn></mml:msup><mml:mi mathvariant="normal">Î</mml:mi></mml:mrow></mml:math> state of RbCs. Physical Review A, 2018, 98, .	2.5	1
14	Line Identification of Atomic and Ionic Spectra of Holmium in the Near-UV. II. Spectra of Ho ii and Ho iii. Astrophysical Journal, Supplement Series, 2017, 228, 17.	7.7	11
15	Line Identification of Atomic and Ionic Spectra of Holmium in the Near-UV. Part I. Spectrum of Ho i. Astrophysical Journal, Supplement Series, 2017, 228, 16.	7.7	16
16	Level anti-crossing magnetometry with color centers in diamond. Proceedings of SPIE, 2017, , .	0.8	10
17	Energy and radiative properties of the (3)Î1 and (5)Î£+1 states of RbCs: Experiment and theory. Physical Review A, 2017, 96, .	2.5	5
18	Colloidal nanoparticle sorting and ordering on anodic alumina patterned surfaces using templated capillary force assembly. Surface and Coatings Technology, 2017, 326, 264-269.	4.8	10

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19	Fluorescent nanodiamond array deposition on porous anodized aluminum oxide using asperity assisted capillary force assembly. Proceedings of the Estonian Academy of Sciences, 2017, 66, 416.	1.5	2
20	Fourier-transform spectroscopy and deperturbation analysis of the spin-orbit coupled <i>A</i>1Î£+ and <i>b</i>3Î states of KRb. Journal of Chemical Physics, 2016, 144, 144310.	3.0	15
21	Ab initio multi-reference perturbation theory calculations of the ground and low-lying electronic states of the KRb molecule. Computational and Theoretical Chemistry, 2016, 1089, 35-42.	2.5	13
22	Spatial dynamics of laser-induced fluorescence in an intense laser beam: An experimental and theoretical study with alkali-metal atoms. Physical Review A, 2016, 93, .	2.5	2
23	Estimating the magnetic moment of microscopic magnetic sources from their magnetic field distribution in a layer of nitrogen-vacancy (NV) centres in diamond. EPJ Applied Physics, 2016, 73, 20701.	0.7	9
24	Alignment-to-orientation conversion in a magnetic field at nonlinear excitation of theD2line of rubidium: Experiment and theory. Physical Review A, 2015, 91, .	2.5	8
25	Longitudinal spin-relaxation in nitrogen-vacancy centers in electron irradiated diamond. Applied Physics Letters, 2015, 107, .	3.3	32
26	HIGH-RESOLUTION FOURIER TRANSFORM SPECTROSCOPY OF Nb i IN THE NEAR-INFRARED. Astrophysical Journal, Supplement Series, 2015, 221, 14.	7.7	9
27	Relaxation mechanisms affecting magneto-optical resonances in an extremely thin cell: Experiment and theory for the cesiumD1line. Physical Review A, 2015, 91, .	2.5	6
28	Investigation of the hyperfine structure of weak atomic Vanadium lines by means of Fourier transform spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 115005.	1.5	9
29	Laser synthesis of ultracold alkali metal dimers: optimization and control. Russian Chemical Reviews, 2015, 84, 1001-1020.	6.5	42
30	Fourier-transform spectroscopy and potential construction of the (2)1Î state in KCs. Journal of Chemical Physics, 2015, 142, 134309.	3.0	9
31	Magnetic Field Gradiometer with Sub-Micron Spatial Resolution Based on Caesium Vapour in an Extremely Thin Cell. Latvian Journal of Physics and Technical Sciences, 2015, 52, 3-10.	0.6	0
32	Potential construction of the B (1) 1 Î state in KCs based on Fourier-Transform spectroscopy data. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 151, 1-4.	2.3	9
33	HYPERFINE STRUCTURE CONSTANTS OF ENERGETICALLY HIGH-LYING LEVELS OF ODD PARITY OF ATOMIC VANADIUM. Astrophysical Journal, Supplement Series, 2014, 214, 9.	7.7	15
34	Extended Fourier-transform spectroscopy studies and deperturbation analysis of the spin-orbit coupledA1Î£+andb3Î states in RbCs. Journal of Chemical Physics, 2014, 141, 184309.	3.0	16
35	Fourier transform spectroscopy and extended deperturbation treatment of the spin-orbit-coupled<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:msup><mml:mspace width="0.16em" /><mml:mn>1</mml:mn></mml:msup><mml:msubsup><mml:mi>Î£</mml:mi><mml:mi>u</mml:mi><mml:mo>+</mml:mo></mml:msu xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>b</mml:mi><mml:msup><mml:mspace width="0.16em" /><	2.5	33
36	Fourier-transform spectroscopy of (4)1Î£+ â†’ <i>A</i>â€‰1Î£+ â^’ <i>b</i>â€‰3Î, <i>A</i>â€‰1Î£+ â^’ <i>b</i>â€‰3Î â†’ <i>X</i>1 $(1)^3Delta _1ightarrow b{,}^3Pi _{0^pm }$(1)3Î”1â†’bÎÂ±3 transitions in KCs and deperturbation treatment of <i>A</i>â€‰1Î£+ and <i>b</i>â€‰3Î states. Journal of Chemical Physics, 2013, 139, 244301.	3.0	22

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37	Spectroscopic studies of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mo>(</mml:mo><mml:mn>4</mml:mn><mml:mo>)</mml:mo></mml:mrow> of RbCs and modeling of the optical cycle for ultracold<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi></mml:math>Â<mml:math xmlns:mml="http://www.w3.org/199. Physical Review A, 2013, 87, .	2.5	9
38	Fourier-transform spectroscopy and description of low-lying energy levels in the B(1)1Î state of RbCs. Journal of Chemical Physics, 2013, 138, 154304.	3.0	9
39	HIGH-RESOLUTION FOURIER TRANSFORM SPECTROSCOPY OF LANTHANUM IN Ar DISCHARGE IN THE NEAR-INFRARED. Astrophysical Journal, Supplement Series, 2013, 208, 18.	7.7	25
40	Dependence of the shapes of nonzero-field level-crossing signals in rubidium atoms on the laser frequency and power density. Physical Review A, 2013, 87, .	2.5	7
41	long-range coupling of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>X</mml:mi><mml:msup><mml:mspace width="0.16em" /><mml:mn>1</mml:mn></mml:msup><mml:msup><mml:mi>Î£</mml:mi><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>a</mml:mi><mml:msup><mml:mspace width="0.16em" /><mml:mn>3</mml:mn></mml:msup><mml:msup><mml:mi>Î£</mml:mi><mml:mo>+</mml:mo></mml:msup></mml:mrow>.	2.5	19
42	Coherent and incoherent processes responsible for various characteristics of nonlinear magneto-optical signals in rubidium atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 185003.	1.5	1
43	Photoassociative spectroscopy of resonances for systems with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>J</mml:mi><mml:mo>â¼</mml:mo><mml:mn>100</mml:mn></mml:mrow></mml:math>ob in K<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>molecules. Physical Review A, 2012, 85, .	2.5	6
44	Conversion of bright magneto-optical resonances into dark resonances at fixed laser frequency forD2excitation of atomic rubidium. Physical Review A, 2012, 85, .	2.5	18
45	B(1)1Î state of KCs: High-resolution spectroscopy and description of low-lying energy levels. Journal of Chemical Physics, 2012, 136, 064304.	3.0	17
46	Modeling of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mn>1</mml:mn></mml:msup><mml:msup><mml:mi>Î£</mml:mi><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>a</mml:mi></mml:math> Fourier transform spectroscopy and direct potential fit of a shelflike state: Application to E(4)1Î£+ KCs. Journal of Chemical Physics, 2011, 134, 104307.	2.5	22
47		3.0	29
48	Singlet and triplet potentials of the ground-state atom pair Rb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:math>Cs studied by Fourier-transform spectroscopy. Physical Review A, 2011, 83, .	2.5	40
49	Fourier-transform spectroscopy of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mn>1</mml:mn></mml:msup><mml:msubsup><mml:mi>Î£</mml:mi><mml:mrow><mml:mi>u</mml:mi>	2.5	41
50	Cascade coherence transfer and magneto-optical resonances at 455 nm excitation of cesium. Optics Communications, 2011, 284, 2863-2871.	2.1	7
51	Hyperfine structure of the 3d³4s4p⁶G multiplet of atomic vanadium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 215001.	1.5	13
52	Hyperfine structure study of atomic niobium with enhanced sensitivity of Fourier transform spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 205001.	1.5	19
53	Near-dissociation photoassociative production of deeply bound NaCs molecules. Physical Review A, 2010, 82, .	2.5	26
54	Hyperfine structure measurements of neutral niobium with Fourier transform spectroscopy. Astronomy and Astrophysics, 2010, 516, A70.	5.1	18

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55	Nonlinear magneto-optical resonances at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mi>Î</mml:mi></mml:msup></mml:mrow></mml:math>state	2.5	16
56	of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>D</mml:mi><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>state of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>85</mml:mn></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>87</mml:mn></mml:mmultiscripts></mml:math>	2.5	8
57	Spectroscopic data, spin-orbit functions, and revised analysis of strong perturbative interactions for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:msup><mml:mi>â€,</mml:mi><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msup></mml:mrow></mml:math>state of KCs.	2.5	46
58	Fourier-transform spectroscopy and coupled-channels deperturbation treatment of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:msup><mml:mi>â€,</mml:mi><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msup></mml:mrow></mml:math>state of KCs. Physical Review A, 2010, 81, .	2.5	33
59	Analogue of oscillation theorem for nonadiabatic diatomic states: application to the Aâ€‰1Î£+ and bâ€‰3Î states of KCs. Physical Chemistry Chemical Physics, 2010, 12, 4809.	2.8	13
60	MODELLING MAGNETO-OPTICAL RESONANCES IN ATOMIC RUBIDIUM AT D1 EXCITATION IN EXTREMELY THIN CELLS WHILE MAINTAINING A SELF-CONSISTENT SET OF THEORETICAL PARAMETERS. , 2010, , .		0
61	Solution of the fully-mixed-state problem: Direct deperturbation analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:mspace width="0.2em" /><mml:mmultiscripts><mml:mi>Î£</mml:mi><mml:none /><mml:mo>+</mml:mo><mml:mprescripts /><mml:none /><mml:mn>1</mml:mn></mml:mmultiscripts><mml:mo>â€“</mml:mo><mml:mi>b</mml:mi><mml:mspace	2.5	47
62	Nonlinear magneto-optical resonances atD1excitation ofR85bandR87bfor partially resolved hyperfineFlevels. Physical Review A, 2009, 79, .	2.5	22
63	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>X</mml:mi><mml:mtext>â€‰</mml:mtext><mml:msup><mml:mrow><mml:mmultiscripts><mml:mi /><mml:none /><mml:mn>1</mml:mn></mml:mmultiscripts></mml:mrow><mml:mo>+</mml:mo></mml:msup></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>a</mml:mi><mml:mtext>â€‰</mml:mtext><mml:msup><mml:mrow><mml:mmultiscripts><mml:mi /><mml:none />	2.5	40
64	Spin-orbit, radial, and angular coupling effects in the NaRb excited states. , 2009, , .		0
65	Title is missing!. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 189802-189802.	1.5	1
66	The ground electronic state of KCs studied by Fourier transform spectroscopy. Journal of Chemical Physics, 2008, 128, 244316.	3.0	38
67	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>F</mml:mi></mml:math>-resolved magneto-optical resonances in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>D</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:mrow></mml:math>excitation of cesium: Experiment and theory. Physical Review A, 2008, 78, .	2.5	22
68	Coherent effects in Cs (nD) states in the presence of an external electric field. , 2007, , .		0
69	Radiative lifetimes of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>â€“</mml:mo><mml:mn>3</mml:mn></mml:mrow><mml:mo>)</mml:mo></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>â€“</mml:mo><mml:mn>4</mml:mn></mml:mrow><mml:mo>)</mml:mo></mml:mrow></mml:math>states of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Î</mml:mi><mml:mprescripts /><mml:none /><mml:mn>1</mml:mn></mml:mmultiscripts></mml:math>state of NaCs: Experiment and theory. Physical Review A, 2007, 76, .	2.5	6
70	Publisher's Note: Deperturbation treatment of theAÎ£+1â€“bÎ3complex of NaRb and prospects for ultracold molecule formation inXÎ£+1(v=0;J=0) [Phys. Rev. A75, 042503 (2007)]. Physical Review A, 2007, 75, .	2.5	2
71	<title>Level-crossing spectroscopy of the 7, 9, and 10D states of Cs in an external electric field</title>. , 2007, , .		0
72	Level-crossing spectroscopy of the 7, 9, and10D5â•2states ofCs133and validation of relativistic many-body calculations of the polarizabilities and hyperfine constants. Physical Review A, 2007, 75, .	2.5	30

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73	Deperturbation treatment of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>X</mml:mi><mml:mspace width="0.2em" /><mml:mmultiscripts><mml:mi mathvariant="bold-italic">Î£</mml:mi><mml:none /><mml:mo>+</mml:mo><mml:mprescripts /><mml:none /><mml:mn>1</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> complex of NaRb and prospects for ultracold molecule formation inXÎ£+1(v=0;J=0). Physical Review A, 2007, 75, .	2.5	102
74	Deperturbation treatment of theAÎ£+1â€“bÎ3complex of NaRb and prospects for ultracold molecule formation inXÎ£+1(v=0;J=0). Physical Review A, 2007, 75, .	2.5	45
75	The BÎ1 state of NaCs: High resolution laser induced fluorescence spectroscopy and potential construction. Journal of Chemical Physics, 2007, 127, 224302.	3.0	19
76	Optical Non-Contact Electric Field Mapping by LIF in Cs Vapor. , 2007, , .		0
77	High resolution spectroscopy and potential determination of the (3)Î1 state of NaCs. Journal of Chemical Physics, 2006, 124, 174310.	3.0	23
78	The coupling of the X1Î£+and a3Î£+states of the atom pair Na + Cs and modelling cold collisions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S929-S943.	1.5	58
79	Electric field induced hyperfine level-crossings in (nD)Cs at two-step laser excitation: Experiment and theory. Optics Communications, 2006, 264, 333-341.	2.1	15
80	Radiative lifetimes of the NaRb C(3)1Î£+ state: experiment and theory. European Physical Journal D, 2006, 39, 373-378.	1.3	6
81	Experimental and theoretical studies of Î› doublings and permanent electric dipoles in the low-lying Î1 states of NaCs. Journal of Chemical Physics, 2006, 124, 184318.	3.0	9
82	Electric-Field-Induced Symmetry Breaking of Angular Momentum Distribution in Atoms. Physical Review Letters, 2006, 97, 043002.	7.8	12
83	Experimental study of the long range interactions between a Na (3S) and a Rb (5S) atom. , 2005, , .		0
84	LIF intensity distribution as a deperturbation tool: application to the fully-mixed â€“ complex of NaRb. Journal of Quantitative Spectroscopy and Radiative Transfer, 2005, 95, 165-174.	2.3	10
85	Accurate characterisation of the C(3)1Î£+ state of the NaRb molecule. European Physical Journal D, 2005, 36, 57-65.	1.3	20
86	The D1Î state of the NaRb molecule. European Physical Journal D, 2005, 36, 49-55.	1.3	20
87	Permanent electric dipoles andÎ›-doubling constants in the lowestÎ1states of RbCs. Physical Review A, 2005, 71, .	2.5	29
88	Potentials for modeling cold collisions between Na (3S) and Rb (5S) atoms. Physical Review A, 2005, 72, .	2.5	72
89	Spectroscopic studies of NaCs for the ground state asymptote of Na + Cs pairs. European Physical Journal D, 2004, 31, 205-211.	1.3	36
90	Potential of the ground state of NaRb. Physical Review A, 2004, 69, .	2.5	44

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91	Spontaneous lifetimes and relaxation cross-sections of the D1Î state of NaRb. Chemical Physics Letters, 2003, 382, 593-598.	2.6	5
92	High resolution spectroscopy and channel-coupling treatment of the Aâ€Š1Î£+â€“bâ€Š3Î complex of NaRb. Journal of Chemical Physics, 2002, 117, 7980-7988.	3.0	45
93	Experimental studies of the NaRb ground-state potential up to thevâ€³=76level. Physical Review A, 2002, 66, .	2.5	17
94	Ab initio quasirelativistic calculations on angular momentum and magnetic couplings of molecular electronic states. Chemical Physics Letters, 2002, 356, 277-283.	2.6	1
95	Energy and radiative properties of the low-lying NaRb states. Physical Review A, 2001, 63, .	2.5	31
96	Quasirelativistic transition property calculations by the intermediate Hamiltonian method: Electronic transition dipole moments and radiative lifetimes inTe2. Physical Review A, 2001, 63, .	2.5	13
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