Robert W. Field

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6036868/publications.pdf

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245 papers 9,061 citations

50 h-index 82 g-index

249 all docs 249 docs citations

times ranked

249

4511 citing authors

#	Article	IF	CITATIONS
1	Diabatic Valence-Hole States in the C ₂ Molecule: "Putting Humpty Dumpty Together Again― Journal of Physical Chemistry A, 2022, 126, 3090-3100.	1.1	8
2	Substitution Reactions in the Pyrolysis of Acetone Revealed through a Modeling, Experiment, Theory Paradigm. Journal of the American Chemical Society, 2021, 143, 3124-3142.	6.6	28
3	Enantioselective orientation of chiral molecules induced by terahertz pulses with twisted polarization. Physical Review Research, 2021, 3, .	1.3	19
4	Nonlinear rotational spectroscopy reveals many-body interactions in water molecules. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
5	Photodissociation of dicarbon: How nature breaks an unusual multiple bond. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	16
6	Long-range model of vibrational autoionization in core-nonpenetrating Rydberg states of NO. Journal of Chemical Physics, 2021, 155, 244303.	1.2	1
7	Determination of the sign of the population difference in a two-level system by frequency-modulation spectroscopy. Molecular Physics, 2020, 118, e1660007.	0.8	1
8	Photodissociation transition states characterized by chirped pulse millimeter wave spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 146-151.	3.3	11
9	Preparation of high orbital angular momentum Rydberg states by optical-millimeter-wave STIRAP. Journal of Chemical Physics, 2020, 153, 084301.	1.2	2
10	One-colour (â^¼220 nm) resonance-enhanced (S ₁ â^' S ₀) multi-photon di of acetylene: probe of the C ₂ <i>A</i> ¹ Î _{<i>u</i>} ဉâ^' <i>X</i> ¹ Σ ⁺ _{<i>g</i>} band by frequency-modulation spectroscopy. Molecular Physics, 2020, 118, e1724340.	lissociation 0.8	on 1
11	Precision spectroscopy and comprehensive analysis of perturbations in the A ¹ â^(<i>>v</i> =) Tj ETQq1	10,7843	31 4 rgBT /0v4
12	Roadmap on STIRAP applications. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 202001.	0.6	108
13	One-color (212â€"220†nm) resonantly-enhanced (S1â€"S0) multi-photon dissociation of acetylene. Journal of Molecular Spectroscopy, 2019, 361, 24-33.	0.4	4
14	The frequency-domain infrared spectrum of ammonia encodes changes in molecular dynamics caused by a DC electric field. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23444-23447.	3.3	14
15	Analysis of vibrational autoionization of CaF Rydberg states. Journal of Chemical Physics, 2019, 150, 154305.	1.2	4
16	Call for Papers for the Journal of Molecular Spectroscopy Special Issue on Electronic Spectra and Structure of Small Molecules in Honor of Anthony J. Merer. Journal of Molecular Spectroscopy, 2019, 356, 46.	0.4	0
17	Visible and ultraviolet laser spectroscopy of ThF. Journal of Molecular Spectroscopy, 2019, 358, 1-16.	0.4	8
18	Anomalous Intensities in the 2+1 REMPI Spectrum of the E ¹ ΖX ¹ Σ ⁺ Transition of CO. Journal of Physical Chemistry A, 2019, 123, 2780-2788.	1.1	1

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19	The dicarbon bonding puzzle viewed with photoelectron imaging. Nature Communications, 2019, 10, 5199.	5.8	19
20	Tribute to Hai-Lung Dai. Journal of Physical Chemistry A, 2019, 123, 10463-10464.	1.1	0
21	Probing the predissociated levels of the S1 state of acetylene via H-atom fluorescence and photofragment fluorescence action spectroscopy. Journal of Chemical Physics, 2018, 149, 174309.	1.2	5
22	Experimental studies of the NaCs $12(0+)$ [$71\hat{1}\pm+$] state: Spin-orbit and non-adiabatic interactions and quantum interference in the $12(0+)$ [$71\hat{1}\pm+$] and $11(0+)$ [$53\hat{1}0$] emission spectra. Journal of Chemical Physics, 2017, 146, 104302.	1.2	4
23	Encoding of vinylidene isomerization in its anion photoelectron spectrum. Science, 2017, 358, 336-339.	6.0	55
24	Perturbations in the A $<$ sup $>$ 1 $<$ /sup $>$ 0, $<$ i $>>0 state of¹²C¹⁸O investigated via complementary spectroscopic techniques. Molecular Physics, 2017, 115, 3178-3191.$	0.8	8
25	Direct single-shot observation of millimeter-wave superradiance in Rydberg-Rydberg transitions. Physical Review A, 2017, 95, .	1.0	19
26	Fourier transform emission spectra and deperturbation analysis of the A 2 Î â \in X 2 Σ + and B 2 Σ + â \in X 2 Σ + electronic transitions of ZnH. Journal of Molecular Spectroscopy, 2017, 340, 21-28.	0.4	0
27	Coherent laser-millimeter-wave interactions en route to coherent population transfer. Journal of Chemical Physics, 2017, 147, 144201.	1.2	3
28	VIS and VUV spectroscopy of $\langle \sup 12 \langle \sup C \langle \sup 17 \langle \sup O \rangle 0 \rangle$ and deperturbation analysis of the A $\langle \sup 12 \langle \sup O \rangle$, $: : = 1$ and $: : = 1$ and $: : : = 1$ and $: : : : : : = 1$ and $: : : : : : : : : : : : : : : : : : $	1.7	9
29	Perspective: The first ten years of broadband chirped pulse Fourier transform microwave spectroscopy. Journal of Chemical Physics, 2016, 144, 200901.	1.2	109
30	Electric potential invariants and ions-in-molecules effective potentials for molecular Rydberg states. Journal of Chemical Physics, 2016, 145, 234301.	1.2	3
31	Spectroscopy and perturbation analysis of the CO A $<$ sup $>$ 1 $<$ /sup $>$ 1 â^'X $<$ sup $>$ 1 $<$ /sup $>$ 1£ $<$ sup $>+<$ /sup $>$ (2,0), (3,0) and (4,0) bands. Molecular Physics, 2016, 114, 627-636.	0.8	17
32	A Molecular Precursor to Phosphaethyne and Its Application in Synthesis of the Aromatic 1,2,3,4-Phosphatriazolate Anion. Journal of the American Chemical Society, 2016, 138, 6731-6734.	6.6	40
33	Stark Interference of Electric and Magnetic Dipole Transitions in the mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mrow><mml:mi>A</mml:mi><mml:mo>â^'</mml:mo><mml:mi>X</mml:mi>X</mml:mrow> of OH. Physical Review Letters. 2016. 116. 153001.	<td>th²>Band</td>	th²>Band
34	Saddle point localization of molecular wavefunctions. Scientific Reports, 2016, 6, 33068.	1.6	6
35	The origin of unequal bond lengths in the $\hat{Clf}1B2$ state of SO2: Signatures of high-lying potential energy surface crossings in the low-lying vibrational structure. Journal of Chemical Physics, 2016, 144, 144313.	1.2	10
36	Observation of b2 symmetry vibrational levels of the SO2â€^C̃â€^1B2 state: Vibrational level staggering, Coriolis interactions, and rotation-vibration constants. Journal of Chemical Physics, 2016, 144, 144311.	1.2	14

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37	The rotation-vibration structure of the SO2 Clf1B2 state explained by a new internal coordinate force field. Journal of Chemical Physics, 2016, 144, 144312.	1.2	14
38	Probing <i>cis-trans</i> isomerization in the S1 state of C2H2 via H-atom action and hot band-pumped IR-UV double resonance spectroscopies. Journal of Chemical Physics, 2015, 143, 084310.	1.2	11
39	Communication: Observation of local-bender eigenstates in acetylene. Journal of Chemical Physics, 2015, 143, 071101.	1.2	3
40	Direct detection of Rydberg–Rydberg millimeter-wave transitions in a buffer gas cooled molecular beam. Chemical Physics Letters, 2015, 640, 124-136.	1.2	20
41	Observation of the simplest Criegee intermediate CH ₂ OO in the gas-phase ozonolysis of ethylene. Science Advances, 2015, 1, e1400105.	4.7	73
42	Spectroscopic characterization of isomerization transition states. Science, 2015, 350, 1338-1342.	6.0	45
43	Simplified Cartesian Basis Model for Intrapolyad Emission Intensities in the Bent-to-Linear Electronic Transition of Acetylene. Journal of Physical Chemistry A, 2015, 119, 857-865.	1.1	3
44	Product Branching in the Low Temperature Reaction of CN with Propyne by Chirped-Pulse Microwave Spectroscopy in a Uniform Supersonic Flow. Journal of Physical Chemistry Letters, 2015, 6, 1599-1604.	2.1	49
45	Does Infrared Multiphoton Dissociation of Vinyl Chloride Yield Cold Vinylidene?. Journal of Physical Chemistry Letters, 2015, 6, 2457-2462.	2.1	4
46	Edge effects in chirped-pulse Fourier transform microwave spectra. Journal of Molecular Spectroscopy, 2015, 312, 54-57.	0.4	7
47	Millimeter-wave optical double resonance schemes for rapid assignment of perturbed spectra, with applications to the $Clf1B2$ state of SO2. Journal of Chemical Physics, 2015, 142, 144201.	1.2	18
48	Ultrafast isomerization initiated by X-ray core ionization. Nature Communications, 2015, 6, 8199.	5.8	92
49	Chirped-pulse millimeter-wave spectroscopy for dynamics and kinetics studies of pyrolysis reactions. Physical Chemistry Chemical Physics, 2014, 16, 15739-15751.	1.3	54
50	Reduced dimension rovibrational variational calculations of the S1 state of C2H2. II. The S1 rovibrational manifold and the effects of isomerization. Journal of Chemical Physics, 2014, 140, 024313.	1.2	9
51	A chirped-pulse Fourier-transform microwave/pulsed uniform flow spectrometer. II. Performance and applications for reaction dynamics. Journal of Chemical Physics, 2014, 141, 214203.	1.2	54
52	Full dimensional Franck-Condon factors for the acetylene Alf 1Auâ€"Xlf Σg+1 transition. II. Vibrational overlap factors for levels involving excitation in ungerade modes. Journal of Chemical Physics, 2014, 134305.	1.2	8
53	A chirped-pulse Fourier-transform microwave/pulsed uniform flow spectrometer. I. The low-temperature flow system. Journal of Chemical Physics, 2014, 141, 154202.	1.2	46
54	A Signature of Roaming Dynamics in the Thermal Decomposition of Ethyl Nitrite: Chirped-Pulse Rotational Spectroscopy and Kinetic Modeling. Journal of Physical Chemistry Letters, 2014, 5, 3641-3648.	2.1	28

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55	DIRECT OBSERVATION OF RYDBERG-RYDBERG TRANSITIONS VIA CPMMW SPECTROSCOPY., 2014,,.		1
56	A new approach toward transition state spectroscopy. Faraday Discussions, 2013, 163, 33.	1.6	39
57	High resolution spectroscopy and perturbation analysis of the CO A ¹ Î â^X ¹ Σ ⁺ (0,0) and (1,0) bands. Molecular Physics, 2013, 111, 2163-2174.	0.8	29
58	Laser-Induced Fluorescence Study of the S ₁ State of Doubly-Substituted ¹³ C Acetylene and Harmonic Force Field Determination. Journal of Physical Chemistry A, 2013, 117, 13696-13703.	1.1	9
59	High-Accuracy Estimates for the Vinylidene-Acetylene Isomerization Energy and the Ground State Rotational Constants of :Câ•€H⟨sub⟩2⟨ sub⟩. Journal of Physical Chemistry A, 2013, 117, 11679-11683.	1.1	40
60	Chirped-pulse millimeter-wave spectroscopy: Spectrum, dynamics, and manipulation of Rydbergâ€"Rydberg transitions. Journal of Chemical Physics, 2013, 138, 014301.	1.2	20
61	Commensurate Two-Quantum Coherences Induced by Time-Delayed THz Fields. Physical Review Letters, 2012, 109, 123603.	2.9	69
62	Production of a beam of highly vibrationally excited CO using perturbations. Journal of Chemical Physics, 2012, 136, 214201.	1.2	11
63	Broadband velocity modulation spectroscopy of HfF+: Towards a measurement of the electron electric dipole moment. Chemical Physics Letters, 2012, 546, 1-11.	1.2	49
64	The $\tilde{A}f$ (sup>1A(sub>u(sub) state of acetylene: ungerade vibrational levels in the region 45,800 \hat{a} (46,550 \hat{a} (507-2723).	0.8	19
65	Chirped-Pulse Millimeter-Wave Spectroscopy of Rydberg-Rydberg Transitions. Physical Review Letters, 2011, 107, 143001.	2.9	22
66	Determination of the Ground Electronic State in Transition Metal Halides: ZrF. Journal of Physical Chemistry A, 2011, 115, 9620-9632.	1.1	5
67	Spectral Signatures of Inter-System Crossing Mediated by Energetically Distant Doorway Levels: Examples from the Acetylene <i>S</i> <csub>1 State. Journal of Physical Chemistry A, 2011, 115, 11921-11943.</csub>	1.1	5
68	Laser-induced fluorescence studies of HfF+ produced by autoionization. Journal of Chemical Physics, 2011, 135, 154308.	1.2	13
69	Molecular Orientation and Alignment by Intense Single-Cycle THz Pulses. Physical Review Letters, 2011, 107, 163603.	2.9	261
70	Design and evaluation of a pulsed-jet chirped-pulse millimeter-wave spectrometer for the 70–102 GHz region. Journal of Chemical Physics, 2011, 135, 024202.	1,2	70
71	Cis-trans isomerization in the S1 state of acetylene: Identification of cis-well vibrational levels. Journal of Chemical Physics, 2011, 134, 244310.	1.2	21
72	Reduced dimension discrete variable representation study of ⟨i⟩cis–trans⟨/i⟩ isomerization in the S1 state of C2H2. Journal of Chemical Physics, 2011, 134, 244311.	1.2	23

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73	A quantum defect model for the <i>></i> , <i>p</i> , <i>d</i> , and <i>f</i> Rydberg series of CaF. Journal of Chemical Physics, 2011, 134, 114313.	1.2	27
74	Rotational analysis and deperturbation of the <i>A</i> aê^2î â†' <i>X</i> ê^2î£+ and <i>B</i> â€^2î£+ â†' <i>X< spectra of MgH. Journal of Chemical Physics, 2011, 135, 094308.</i>	:/j>ậ€^2Σ 1:2	+ emission 27
75	Deconvolution of spectral data using a doorway-coupling model Hamiltonian. Journal of Chemical Physics, 2010, 132, 134302.	1.2	4
76	Time-Dependent Center-of-Gravity Metric Determines Key Dynamical Features of Doorway-Mediated Intersystem Crossing. Journal of Physical Chemistry Letters, 2010, 1, 2144-2148.	2.1	1
77	The Stark effect in Rydberg states of a highly polar diatomic molecule: CaF. Journal of Chemical Physics, 2009, 131, 064301.	1.2	7
78	Interference in acetylene intersystem crossing acts as the molecular analog of Young's double-slit experiment. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2510-2514.	3.3	8
79	Stretch-bend combination polyads in the $\tilde{A}f1Au$ state of acetylene, C2H2. Journal of Molecular Spectroscopy, 2009, 256, 256-278.	0.4	23
80	Ab initio investigation of high multiplicity optical transitions in the spectra of CN and isoelectronic species. Journal of Molecular Spectroscopy, 2009, 258, 6-12.	0.4	9
81	Room-Temperature Metalâ^'Hydride Discharge Source, with Observations on NiH and FeH. Journal of Physical Chemistry A, 2009, 113, 13159-13166.	1.1	19
82	Autobiography of Robert W. Field. Journal of Physical Chemistry A, 2009, 113, 13045-13056.	1.1	0
83	Perturbations in the 4(1)1/2 11 (sub)3 level of the {f= PS/CD9 {aise/ptilde lower7ptAclap}^lower4pt{hskip5pt1}hskip-1ptA_u} state of acetylene, C ₂ H ₂ This article is part of a Special Issue on Spectroscopy at the University of New Brunswick in honour of Colan Linton and Ron Lees Canadian Journal of Physics, 2009, 87,	0.4	6
84	Evolution of Chemical Bonding during HCN⇄HNC Isomerization as Revealed through Nuclear Quadrupole Hyperfine Structure. Angewandte Chemie - International Edition, 2008, 47, 2969-2972.	7.2	20
85	Theoretical emission spectra of HNC(<mml:math)="" 145-150.<="" 2008,="" 455,="" a="" ab="" chemical="" etqq1="" initio="" letters.="" new="" on="" physics="" potenti.="" td="" tj="" xmlns:mml="http://www.w3.org/1998/Math/MathML"><td>1 0.7843 1.2</td><td>14 rgBT /Ove 2</td></mml:math>	1 0.7843 1.2	14 rgBT /Ove 2
86	Separation of long-range and short-range interactions in Rydberg states of diatomic molecules. Journal of Chemical Physics, 2008, 128, 194301.	1.2	16
87	Direct observation of the symmetric stretching modes of $\langle i \rangle A / \langle i \rangle A $	0.8	17
88	Darling–Dennison resonance and Coriolis coupling in the bending overtones of the AlfAu1 state of acetylene, C2H2. Journal of Chemical Physics, 2008, 129, 054304.	1.2	25
89	Polarization dependence of transition intensities in double resonance experiments: Unresolved spin doublets. Journal of Chemical Physics, 2008, 128, 014301. 	1.2	13
90	function <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>ν</mml:mi><mml:mi>e</mml:mi></mml:msub><mml:mrow display="inline" the<mml:math="" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:mrow><mml:< td=""><td>1.0</td><td>10</td></mml:<></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:mrow></mml:math>	1.0	10

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#	Article	IF	CITATIONS
91	Studies of intersystem crossing dynamics in acetylene. Journal of Chemical Physics, 2007, 126, 184307.	1.2	8
92	Observation of the AÌfA″1 state of isocyanogen. Journal of Chemical Physics, 2007, 126, 244307.	1.2	3
93	New spectroscopic data, spin-orbit functions, and global analysis of data on the Al£u+1 and blu3 states of Na2. Journal of Chemical Physics, 2007, 127, 044301.	1.2	39
94	Resonance between electronic and rotational motions in Rydberg states of CaF. Molecular Physics, 2007, 105, 1661-1673.	0.8	11
95	Contrasting Singletâ^'Triplet Dynamical Behavior of Two Vibrational Levels of the Acetylene S ₁ 23 ¹ B Polyad. Journal of Physical Chemistry A, 2007, 111, 12534-12537.	1.1	6
96	The pure rotational spectrum of CrCN (X  6 Σ +): an unexpected geometry and unusual spin interactions. Molecular Physics, 2007, 105, 585-597.	· 0.8	32
97	Intramolecular Dynamics in the Frequency Domain. Advances in Chemical Physics, 2007, , 463-490.	0.3	7
98	Accurate Inertias for Large-Amplitude Motions:Â Improvements on Prevailing Approximations. Journal of Physical Chemistry A, 2006, 110, 7406-7413.	1.1	28
99	Electronic Signatures of Large Amplitude Motions: Dipole Moments of Vibrationally Excited Local-Bend and Local-Stretch States of S0Acetyleneâ€. Journal of Physical Chemistry B, 2006, 110, 18912-18920.	1.2	20
100	Laboratory Measurements of the Hyperfine Structure of H 14 N 12 C and D 14 N 12 C. Astrophysical Journal, 2006, 649, L53-L56.	1.6	25
101	Differential temperature laser induced fluorescence spectroscopy. Chemical Physics, 2006, 324, 709-720.	0.9	3
102	Infrared–Infrared double resonance spectroscopy of 39K2: The 1 3î"g state. Chemical Physics Letters, 2006, 431, 267-271.	1.2	20
103	Multi-isotopologue analyses of new vibration–rotation and pure rotation spectra of ZnH and CdH. Journal of Molecular Spectroscopy, 2006, 237, 87-96.	0.4	22
104	The spin-orbit and rotational constants for the N2 C″Îui5(v=3) state. Journal of Chemical Physics, 2006, 124, 081103.	1.2	12
105	Broad shape resonance effects in CaF Rydberg states. Journal of Chemical Physics, 2006, 124, 194302.	1.2	4
106	Quantum defect theory of dipole and vibronic mixing in Rydberg states of CaF. Journal of Chemical Physics, 2005, 122, 184314.	1.2	26
107	Properties of nearly one-electron molecules. II. Application to the Rydberg spectrum of CaF. Journal of Chemical Physics, 2005, 123, 084319.	1.2	12
108	Properties of nearly one-electron molecules. I. An iterative Green function approach to calculating the reaction matrix. Journal of Chemical Physics, 2005, 123, 084318.	1.2	10

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