Olga Gromova

List of Publications by Year
in descending order

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109	1,327	257450	395702
papers	citations	24 h-index	33 g-index

109	109	109	142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High resolution spectroscopic study of C2H4: Re-analysis of the ground state and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0229.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0230.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></ <mml:math xmlns:m. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 118, 14-25.	2.3	52
2	On the high resolution spectroscopy and intramolecular potential function of SO2. Journal of Molecular Spectroscopy, 2009, 257, 137-156.	1.2	49
3	High resolution study of the 3Î½1 band of SO2. Journal of Molecular Spectroscopy, 2009, 255, 111-121.	1.2	48
4	Analysis of highly excited â€˜hotâ€™ bands in the SO₂molecule: Î½₂+ 3Î½₃â^' Î½₂and 2Î½₁+ Î½₂+ Î½₃â^' Î½₂. Molecular Physics, 2010, 108, 1253-1261.	1.7	48
5	High resolution study of the and â€œhotâ€•bands and ro-vibrational re-analysis of the polyad of the 32SO2 molecule. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 486-512.	2.3	48
6	High resolution analysis of the SO2 spectrum in the 2600â€“<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0182.gif" overflow="scroll"><mml:mn>2900</mml:mn><mml:mspace width="0.25em" /><mml:msup><mml:mrow><mml:mi>cm</mml:mi></mml:mrow><mml:mrow><mml:mo>â^'</mml:mo><mml:mn>1</mml:mn></mml:r region: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0183.gif" overflow="scroll"><mml:mn>2</mml:mn><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow>.	2.3	48
7	Re-analysis of the (100), (001), and (020) rotational structure of SO2 on the basis of high resolution FTIR spectra. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 130, 220-232.	2.3	48
8	High resolution FTIR study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0244.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn></mml:mrow></ xmlns:mml="http://www.w3.. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 149, 318-333.	2.3	47
9	High resolution analysis of the (111) vibrational state of SO2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 144, 1-10.	2.3	46
10	High resolution ro-vibrational analysis of interacting bands Î½ 4 , Î½ 7 , Î½ 10 , and Î½ 12 of 13 C 2 H 4. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 151, 224-238.	2.3	46
11	Precise ro-vibrational analysis of molecular bands forbidden in absorption: The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si167.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>8</mml:mn></mml:mrow> band of the 12C2H4 molecule. Journal of Molecular Spectroscopy, 2015, 313, 4-13.	1.2	45
12	On the study of high-resolution rovibrational spectrum of H2S in the region of 7300â€“7900cmâ^'1. Journal of Molecular Spectroscopy, 2004, 226, 57-70.	1.2	39
13	Study of the high resolution FTIR spectrum of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0170.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>CH</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></ /><mml:msub><mml:mrow><mml:mi>CD</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></ in the region of 1300â€“1450 cmâ^'1: The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0171.gif" overflow="scroll"><mml:msub> <mml. Journal of Quantitative Spectroscopy and Ra	2.3	38
14	High-resolution Fourier transform spectrum of H2S in the region of the second hexade. Journal of Molecular Spectroscopy, 2005, 234, 270-278.	1.2	37
15	Precise ro-vibrational analysis of molecular bands forbidden in absorption: The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0179.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>8</mml:mn></mml:mrow></ band of 13C2H4. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 164, 117-128.	2.3	36
16	Re-analysis of the high resolution FTIR spectrum of C2H2D2-cis in the region of 1280â€“1400cmâ^'1. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 170, 69-82.	2.3	35
17	Global fit of the high-resolution infrared spectrum of D2S. Journal of Molecular Spectroscopy, 2006, 238, 11-28.	1.2	33
18	High resolution study of MGeH4 (M=76, 74) in the dyad region. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 144, 11-26.	2.3	26

#	Article	IF	Citations
19	Ro-vibrational analysis of the hot bands of 13C2H4: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>7</mml:mn> Journal of Molecular Spectroscopy, 2015, 317, 32-40.	1.2	26
20	High resolution analysis of C2D4 in the region of 600â€“1150 cmâ^'1. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 182, 55-70.	2.3	26
21	High-resolution Fourier transform spectrum of H2S in the region of 8500â€“8900cmâ^'1. Journal of Molecular Spectroscopy, 2004, 228, 110-119.	1.2	25
22	First high resolution analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mn>3</mml:mn><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><m of 34 S 16 O 2. Journal of Molecular Spectroscopy, 2016, 319, 50-54.	1.2	25
23	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0059.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0060.gif" High resolution FTIR study of 34 S 16 O 2: The bands <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mn>2</mml:mn><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow> Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 318, 26-33.	2.3	25
24	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:mn>2</mml:mn><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn> High resolution study of strongly interacting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0145.gif"	1.2	24
25			

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37	High resolution analysis of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0036.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0037.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>ν</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> bands of 32S16O2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 187-197.	2.3	10
38	Extended analysis of the high resolution FTIR spectra of H2S (M=32,33,34,36) in the region of the bending fundamental band: The Î½2 and 2Î½2â^'Î½2 bands: Line positions, strengths, and pressure broadening widths. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 216, 76-98.	2.3	10
39	Joint ro-vibrational analysis of the HDS high resolution infrared data. Journal of Molecular Spectroscopy, 2006, 240, 32-44.	1.2	9
40	First high resolution ro-vibrational study of the (0200), (0101) and (0002) vibrational states of GeH4 (M=76,74). Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 182, 199-218.	2.3	9
41	First high resolution analysis of the 3Î½2 and 3Î½2â^'Î½2 bands of 32S16O2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 202, 1-5.	2.3	9
42	First study of the ro-vibrational structure of the g-symmetry vibrational states of C2D4 from the analysis of hot bands: The Î½7+Î½10â^'Î½10 and Î½10+Î½12â^'Î½10 bands. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 178-189.	2.3	8
43	First highâ€“resolution analysis of the dyad of 28SiD4: Appearance of the isotopic substitution properties in the XY4 (T -symmetry) molecules. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 218, 115-124.	2.3	8
44	Ethylene-1-13C (13C12CH4): First analysis of the Î½2, Î½3 and 2Î½10 bands and reâ€“analysis of the Î½12 band and of the ground vibrational state. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 403-413.	2.3	7
45	High Resolution Infrared Spectrum of the Î½7+Î½8 Band of the Trans-C2H2D2 Molecule. Russian Physics Journal, 2017, 59, 1604-1609.	0.4	7
46	Highâ€“resolution FTIR spectroscopic study of 73GeH4 up to 2300â€¯cm<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow /><mml:mrow><mml:mo>â^'</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:msup></mml:math>. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 221, 129-137.	2.3	7
47	High resolution analysis of GeH4 in the dyad region: Ro-vibration energy structure of 70GeH4 and line strengths of GeH4 (MÂ=Â70, 72, 73, 74, 76). Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 236, 106581.	2.3	7
48	High resolution study of the rotational structure of doubly excited vibrational states of 32S16O18O: The first analysis of the 2Î½1, Î½1+Î½3, and 2Î½3 bands. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 189, 344-350.	2.3	6
49	High resolution study of strongly interacting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si21.gif"		

#	Article	IF	Citations
55	First quantitative study of the high-resolution spectrum of 28SiD4 in the region of the Î½3 band: Line strengths and widths. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 221, 18-30.	2.3	5
56	Extended analysis of the highâ€“resolution spectrum of 28SiD4 in the region of the Î½3 band. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 219, 224-237.	2.3	5
57	First highâ€“resolution comprehensive analysis of 72GeH4 spectra in the Dyad and Pentad regions. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 225, 206-213.	2.3	5
58	Roâ€“vibrational analysis of the first hexad of hydrogen sulfide: Line position and strength analysis of the 4Î½2 band of H232S and H234S for HITRAN applications. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 255, 107236.	2.3	5
59	High resolution roâ€“vibrational analysis of molecules in doublet electronic states: the Î½₁ fundamental of chlorine dioxide (¹⁶O³⁵Cl¹⁶O) in the X²B₁ electronic ground state. Physical Chemistry Chemical Physics, 2021, 23, 4580-4596.	2.8	5
60	Rotational analysis of the inversionâ€“vibration spectrum of 15NH2D: A set of interacting states Î½5/Î½6/2Î½2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 202, 210-219.	2.3	4
61	First quantitative analysis of the Î½2/Î½4 dyad of 28SiD4: Line strengths and widths. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 219, 350-359.	2.3	4
62	First highâ€“resolution analysis of the fundamental bands of 29SiD4 and 30SiD4: Line positions and strengths. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 225, 125-155.	2.3	4
63	Extended analysis of FTIR high resolution spectra of HD32S and HD34S in the region of the Î½2 band: Positions and strengths of individual lines. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 225, 286-300.	2.3	4
64	Extended FTIR high resolution analysis of hydrogen sulfide in the region of the second hexad: Line positions and roâ€“vibrational energies of H2MS (M=32,33,34). Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 240, 106710.	2.3	4
65	Extended high resolution analysis of the second triad of D232S, D233S and D234S. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 245, 106879.	2.3	4
66	Highâ€“resolution study of the pentad bending triad region of silane: The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si100.svg"><mml:mrow><mml:mn>2</mml:mn><mml:msub><mml:mi>Î½</mml:mi><mml:mn>2</mml:mn></mml:msub><mn	2.3	4
67	xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si11.svg"><mml:mrow><mml:msub><mml:mi>Î½</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo linebreak="goodbreak">+</mml:mo><mml:msub><mml:mi>Î½</mml:mi><mml:mn>4</mml:mn></mml:msub>. Study of highly excited ro-vibrational states of S18O2 from â€œhotâ€•transitions: The bands Î½1+Î½2+Î½3â^'Î½2, 2Î½1+Î½2â^'Î½2, and 2Î½2+Î½3â^'Î½2. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 196, 159-164.	2.3	3
68	First rotational analysis of the (111) and (021) vibrational state of S16O18O from the â€œhotâ€• <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mi>Î½</mml:mi><mml:mn>1</mml:mn></mml:msub><mml:mo>+</mml:mo><mml: x. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 202, 98-103.	2.3	3
69	Analysis of the Ground Vibrational State of the Ethylene-1-13C (13C12CH4) Molecule. Russian Physics Journal, 2017, 60, 273-278.	0.4	3
70	High-Resolution Spectroscopy of the CH2 = CD2 Molecule: Analysis of the Hot Î½7 + Î½10 â€“ Î½10 Band. Russian Physics Journal, 2017, 60, 557-561.	0.4	3
71	First line strength analysis of 34SO2 in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si37.gif" overflow="scroll"><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Ëœ</mml:mo></mml:mover></mml:math>2 region: Isotopic relations for the dipole moment parameters. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 229, 166-178.	2.3	3
72	On the method of precise abundance determination of isotopologues in a gas mixture: Effective dipole moment parameters for the fundamental bands of different isotopologues of H2O, H2S, H2Se, SO2, O3, H2CO, H2CS, and C2H4. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 242, 106791.	2.3	3

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73	Comprehensive roâ€“vibrational analysis of diâ€“deuterated hydrogen sulfide in the region of the Î½2, 2Î½2 and 2Î½2âˆ’Î½2 bands: The D232S, D234S, and D233S isotopologues. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 282, 108106.	2.3	3
74	Comprehensive study of the pentad bending triad region of germane: Positions, strengths, widths and shifts of lines in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si29.svg"><mml:mrow><mml:mn>2</mml:mn><mml:msub><mml:mi>Î½</mml:mi><mml:mn>2</mml:mn></mml:msub><mml <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si5.svg"><mml:mrow><mml:msub><mml:mi>Î½</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo linebreak="goodbreak">+</mml:mo><mml:ms. Journal of Quantitative Spectroscopy and Radiative Tran	2.3	3
75	Calculation of the Vibrational-Rotational Energy Structure of Molecules with Tetrahedral Symmetry of the Type XY 4. Russian Physics Journal, 2014, 57, 969-972.	0.4	2
76	Isotope Substitution Effect in Polyatomic Molecules on the Example of 13C2H4 â†•12C2H4 Substitution. Russian Physics Journal, 2016, 58, 1573-1580.	0.4	2
77	First high resolution roâ€“vibrational analysis of C2HD3 in the region of the Î½12 band. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 218, 86-99.	2.3	2
78	Highâ€“resolution study of the tetradecad stretching vibrational bands of SiD4 (M=28,29,30). Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 236, 106606.	2.3	2
79	First highâ€“resolution analysis of the 2Î½2 (A1) and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:mrow><mml:msub><mml:mi>Î½</mml:mi><mml:mn>1</mml:mn></mml:msub><mml:mo linebreak="goodbreak">+</mml:mo><mml:msub><mml:mi>Î½</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mrow><mml:mo interacting states of 72GeH4 and 73GeH4. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 236, 106593.	2.3	2
80	Extended analysis of the lowest bands of 12C2H4: Line strengths, widths, and shifts in the Î½7, Î½10, and Î½4 bands. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 239, 106657.	2.3	2
81	First high-resolution analysis of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:mrow><mml:mn>3</mml:mn><mml:msub><mml:mi>Î½</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:m <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si5.svg"><mml:mrow><mml:msub><mml:mi>Î½</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo linebreak="goodbreak">+</mml:mo><mml:msub><mml:mi>Î½</mml:mi><mml:mn>4</mml:mn></mml:msub>	2.3	2
82	Line strength analysis of the second overtone <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:mrow><mml:mn>3</mml:mn><mml:msub><mml:mi>Î½</mml:mi><mml:mn>2</mml:mn></mml:msub></mml: band of D<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si71.svg"><mml:msubsup><mml:mrow /><mml:mn>2</mml:mn><mml:mn>32</mml:mn></mml:msubsup></mml:math>S. Journal of Quantitative	2.3	2
83	First high-resolution analysis of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si7.svg"><mml:msub><mml:mi>Î½</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si8.svg"><mml:msub><mml:mi>Î½</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>		

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91	roâ€"vibrational analysis of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:msub><mml:mi>Î½</mml:mi><mml:mn>12</mml:mn></mml:msub></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:msub><mml:mi>Î½</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> bands	2.3	1
92	Line strengths, widths and shifts analysis of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si18.svg"><mml:mrow><mml:mn>2</mml:mn><mml:msub><mml:mi>Î½</mml:mi><mml:mn>2</mml:mn></mml:msub><mml	2.3	1
93	(0200)/(0101) and (0002) rotational states of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si4.svg"><mml:msup><mml:mrow /><mml:mn>28</mml:mn></mml:msup></mml:math>SiD<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mrow	2.3	1
94	High resolution FTIR spectroscopy of germane: First study of 76GeH4 in the region of Tetrad of the strongly interacting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si844.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn><mml:mo linebreak="badbreak">+</mml:mo><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 275, 121135.	3.9	1
95	Analysis of the High-Resolution Spectrum of Molecules in Doublet Electronic States: Fundamental Î½3 Band of Chlorine Dioxide (16O35Cl16O) in the Ground Electronic State XÂ2B1. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2021, 129, 1138-1144.	0.6	1
96	Expanded roâ€"vibrational analysis of the dyad region of CD<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>: Line positions and energy levels. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 288, 108275.	2.3	1
97	High-resolution study of the Î½1+Î½2 and Î½2+Î½3 strongly interacting bands of D2Se. Journal of Molecular Spectroscopy, 2005, 230, 78-86.	1.2	0
98	On the determination of the intramolecular potential functions for a polyatomic molecule: H2S. Russian Physics Journal, 2008, 51, 18-25.	0.4	0
99	Determination of the Ground Vibrational State Parameters of the C2D4 Molecule. Russian Physics Journal, 2016, 59, 387-391.	0.4	0
100	Determining the Parameters of the Ground Vibrational State of the 28SiH4 Molecule. Russian Physics Journal, 2017, 60, 758-764.	0.4	0
101	Study of the High Resolution Spectrum of the S18O16O Molecule in the Hot 2Î½2 + Î½3 â€“ Î½2 Band. Russian Physics Journal, 2018, 61, 36-40.	0.4	0
102	Determination of Irreducible Rotational Operators on the Rotation SO(3) Group and Td Point Symmetry Group. Russian Physics Journal, 2018, 61, 516-520.	0.4	0
103	First high-resolution analysis of the Î½2+Î½6 band of the cis-C2H2D2 isotopologue of ethylene. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 233, 99-109.	2.3	0
104	The Influence of Isotopic Substitution on the Expansion Parameters of an Effective Dipole Moment in Molecules of XY2/XYZ Type. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 127, 385-394.	0.6	0
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#	Article	IF	Citations
109	Highâ€“resolution spectroscopy of C2H3D: Line positions and energy structure of the strongly interacting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si509.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mn>10</mml:mn> Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121401.	3.9	0