

# Andrei Nikitin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4445132/publications.pdf>

Version: 2024-02-01

120  
papers

14,578  
citations

57758

44  
h-index

19749

117  
g-index

123  
all docs

123  
docs citations

123  
times ranked

7711  
citing authors

#	ARTICLE	IF	CITATIONS
1	The HITRAN 2008 molecular spectroscopic database. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2009, 110, 533-572.	2.3	3,129
2	The HITRAN2016 molecular spectroscopic database. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 203, 3-69.	2.3	2,840
3	The HITRAN2012 molecular spectroscopic database. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 130, 4-50.	2.3	2,810
4	The HITRAN2020 molecular spectroscopic database. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 277, 107949.	2.3	770
5	The 2015 edition of the GEISA spectroscopic database. <i>Journal of Molecular Spectroscopy</i> , 2016, 327, 31-72.	1.2	311
6	The 2009 edition of the GEISA spectroscopic database. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 2395-2445.	2.3	306
7	The 1997 spectroscopic GEISA databank. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1999, 62, 205-254.	2.3	237
8	The GEISA spectroscopic database: Current and future archive for Earth and planetary atmosphere studies. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2008, 109, 1043-1059.	2.3	161
9	Global analysis of the high resolution infrared spectrum of methane $12\text{CH}_4$ in the region from 0 to $4800\text{cm}^{-1}$ . <i>Chemical Physics</i> , 2009, 356, 131-146.	1.9	156
10	The 2003 edition of the GEISA/IASI spectroscopic database. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005, 95, 429-467.	2.3	146
11	TheoReTS – An information system for theoretical spectra based on variational predictions from molecular potential energy and dipole moment surfaces. <i>Journal of Molecular Spectroscopy</i> , 2016, 327, 138-158.	1.2	122
12	Methane line parameters in the HITRAN2012 database. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 130, 201-219.	2.3	121
13	Methane line parameters in HITRAN. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2003, 82, 219-238.	2.3	117
14	Accurate Spectroscopic Models for Methane Polyads Derived from a Potential Energy Surface Using High-Order Contact Transformations. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13779-13805.	2.5	112
15	Rotational and vibrational energy levels of methane calculated from a new potential energy surface. <i>Chemical Physics Letters</i> , 2011, 501, 179-186.	2.6	99
16	Applications of a new set of methane line parameters to the modeling of Titan's spectrum in the $1.58\frac{1}{4}\mu\text{m}$ window. <i>Planetary and Space Science</i> , 2012, 61, 85-98.	1.7	99
17	Titan's surface and atmosphere from Cassini/VIMS data with updated methane opacity. <i>Icarus</i> , 2013, 226, 470-486.	2.5	92
18	An Accurate, Extensive, and Practical Line List of Methane for the HITEMP Database. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 55.	7.7	92

#	ARTICLE	IF	CITATIONS
19	First principles intensity calculations of the methane rovibrational spectra in the infrared up to 9300 $\text{cm}^{-1}$ . <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10049.	2.8	82
20	Complete nuclear motion Hamiltonian in the irreducible normal mode tensor operator formalism for the methane molecule. <i>Journal of Chemical Physics</i> , 2012, 136, 244106.	3.0	81
21	GOSAT-2009 methane spectral line list in the 5550–6236 $\text{cm}^{-1}$ range. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010, 111, 2211-2224.	2.3	79
22	Titan's 3-micron spectral region from ISO high-resolution spectroscopy. <i>Icarus</i> , 2006, 180, 176-185.	2.5	74
23	Improved Algorithms for the Modeling of Vibrational Polyads of Polyatomic Molecules: Application to T <sub>2</sub> O <sub>2</sub> and C <sub>3</sub> Molecules. <i>Journal of Molecular Spectroscopy</i> , 1997, 182, 72-84.	1.2	73
24	High resolution spectroscopy and the first global analysis of the Tetradecad region of methane 12CH <sub>4</sub> . <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10071.	2.8	73
25	The MIRS computer package for modeling the rovibrational spectra of polyatomic molecules. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2003, 82, 239-249.	2.3	72
26	THEORETICAL HOT METHANE LINE LISTS UP TO $T = 2000$ K FOR ASTROPHYSICAL APPLICATIONS. <i>Astrophysical Journal</i> , 2014, 789, 2.	4.5	72
27	Accurate Theoretical Methane Line Lists in the Infrared up to 3000 K and Quasi-continuum Absorption/Emission Modeling for Astrophysical Applications. <i>Astrophysical Journal</i> , 2017, 847, 105.	4.5	68
28	Comparison of line-by-line and band models of near-IR methane absorption applied to outer planet atmospheres. <i>Icarus</i> , 2012, 218, 1-23.	2.5	64
29	New dipole moment surfaces of methane. <i>Chemical Physics Letters</i> , 2013, 565, 5-11.	2.6	63
30	First assignment of the $5\hat{1}/2_4$ and $\hat{1}/2_2+4\hat{1}/2_4$ band systems of 12CH <sub>4</sub> in the 6287–6550 $\text{cm}^{-1}$ region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 28-40.	2.3	60
31	Extension of the MIRS computer package for the modeling of molecular spectra: From effective to full ab initio ro-vibrational Hamiltonians in irreducible tensor form. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 1034-1042.	2.3	60
32	Predictions for methane spectra from potential energy and dipole moment surfaces: Isotopic shifts and comparative study of 13CH <sub>4</sub> and 12CH <sub>4</sub> . <i>Journal of Molecular Spectroscopy</i> , 2013, 291, 85-97.	1.2	60
33	Analysis of the CH <sub>3</sub> D Nonad from 2000 to 3300 $\text{cm}^{-1}$ . <i>Journal of Molecular Spectroscopy</i> , 2002, 216, 225-251.	1.2	59
34	Ab initio ro-vibrational Hamiltonian in irreducible tensor formalism: a method for computing energy levels from potential energy surfaces for symmetric-top molecules. <i>Molecular Physics</i> , 2010, 108, 2121-2135.	1.7	59
35	T.D.S. spectroscopic databank for spherical tops: DOS version. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1994, 52, 459-479.	2.3	57
36	Accurate first-principles calculations for 12CH <sub>3</sub> D infrared spectra from isotopic and symmetry transformations. <i>Journal of Chemical Physics</i> , 2014, 141, 044316.	3.0	57

#	ARTICLE	IF	CITATIONS
37	New assignments in the 2 $\mu$ m transparency window of the <sup>12</sup> CH <sub>4</sub> Octad band system. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 116, 101-109.	2.3	55
38	The infrared spectrum of CH <sub>3</sub> D between 900 and 3200 cm <sup>-1</sup> : extended assignment and modeling. Journal of Molecular Structure, 2000, 517-518, 1-24.	3.6	51
39	The High Resolution Infrared Spectrum of CH <sub>3</sub> D in the Region 900–1700 cm <sup>-1</sup> . Journal of Molecular Spectroscopy, 1997, 184, 120-128.	1.2	50
40	Measurements of N <sub>2</sub> - and O <sub>2</sub> -broadening and shifting parameters of methane spectral lines in the 5550–6236cm <sup>-1</sup> region. Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110, 654-668.	2.3	50
41	GOSAT-2014 methane spectral line list. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 154, 63-71.	2.3	48
42	A new accurate ground-state potential energy surface of ethylene and predictions for rotational and vibrational energy levels. Journal of Chemical Physics, 2014, 141, 104301.	3.0	47
43	<a href="#">New accurate theoretical line lists of <sup>12</sup>CH<sub>4</sub> and <sup>13</sup>CH<sub>4</sub> in the 0–13400cm<sup>-1</sup> range: Application to the modeling of methane absorption in Titan's atmosphere.</a> Icarus, 2018, 303, 114-130.	2.5	47
44	Accurate line intensities of methane from first-principles calculations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 200, 90-99.	2.3	45
45	Convergence of normal mode variational calculations of methane spectra: Theoretical linelist in the icosad range computed from potential energy and dipole moment surfaces. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 164, 207-220.	2.3	44
46	Absorption spectrum of deuterated water vapor enriched by <sup>18</sup> O between 6000 and 9200cm <sup>-1</sup> . Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 653-669.	2.3	43
47	First fully ab initio potential energy surface of methane with a spectroscopic accuracy. Journal of Chemical Physics, 2016, 145, 114309.	3.0	43
48	Ab initio variational predictions for understanding highly congested spectra: rovibrational assignment of 108 new methane sub-bands in the icosad range (6280–7800 cm <sup>-1</sup> ). Physical Chemistry Chemical Physics, 2016, 18, 176-189.	2.8	42
49	Vibration energy levels of the PH <sub>3</sub> , PH <sub>2</sub> D, and PHD <sub>2</sub> molecules calculated from high order potential energy surface. Journal of Chemical Physics, 2009, 130, 244312.	3.0	38
50	Isotopic substitution shifts in methane and vibrational band assignment in the 5560–6200 cm <sup>-1</sup> region. Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110, 964-973.	2.3	37
51	Refinements of the WKMC empirical line lists (5852–7919cm <sup>-1</sup> ) for methane between 80K and 296K. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1855-1873.	2.3	36
52	First Predictions of Rotationally Resolved Infrared Spectra of Dideuteromethane ( <sup>12</sup> CH <sub>2</sub> D <sub>2</sub> ) From Potential Energy and Dipole Moment Surfaces. Journal of Physical Chemistry A, 2015, 119, 4763-4779.	2.5	36
53	Total internal partition sums for the HITRAN2020 database. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 271, 107713.	2.3	35
54	Preliminary analysis of CH <sub>3</sub> D from 3250 to 3700cm <sup>-1</sup> . Journal of Molecular Spectroscopy, 2006, 240, 14-25.	1.2	34

#	ARTICLE	IF	CITATIONS
55	Understanding global infrared opacity and hot bands of greenhouse molecules with low vibrational modes from first-principles calculations: the case of CF <sub>4</sub> . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 21008-21033.	2.8	34
56	Global analysis of 12CH <sub>3</sub> 35Cl and 12CH <sub>3</sub> 37Cl: simultaneous fit of the lower five polyads (0âˆ“2600cm <sup>-1</sup> ). <i>Journal of Molecular Spectroscopy</i> , 2005, 230, 174-184.	1.2	33
57	Preliminary modeling of CH <sub>3</sub> D from 4000 to 4550 cm <sup>-1</sup> . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 114, 1-12.	2.3	33
58	An efficient method for energy levels calculation using full symmetry and exact kinetic energy operator: Tetrahedral molecules. <i>Journal of Chemical Physics</i> , 2015, 142, 094118.	3.0	33
59	New ground state constants of 12CH <sub>3</sub> 35Cl and 12CH <sub>3</sub> 37Cl from global polyad analysis. <i>Journal of Molecular Spectroscopy</i> , 2005, 230, 168-173.	1.2	32
60	High order dipole moment surfaces of PH <sub>3</sub> and ab initio intensity predictions in the Octad range. <i>Journal of Molecular Spectroscopy</i> , 2014, 305, 40-47.	1.2	30
61	Measurements and modeling of long-path 12CH <sub>4</sub> spectra in the 4800âˆ“5300cm <sup>-1</sup> region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 138, 116-123.	2.3	29
62	Analysis of the absorption spectrum of 12CH <sub>4</sub> in the region 5855âˆ“6250 cm <sup>-1</sup> of the 2 <sup>1</sup> / <sub>2</sub> band. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 203, 341-348.	2.3	29
63	Ab initio effective rotational Hamiltonians: A comparative study. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 2201-2220.	2.0	26
64	Accurate 12D dipole moment surfaces of ethylene. <i>Chemical Physics Letters</i> , 2015, 639, 275-282.	2.6	25
65	Assignment and modeling of the absorption spectrum of 13CH <sub>4</sub> at 80 K in the region of the 2 <sup>1</sup> / <sub>2</sub> band (5853âˆ“6201 cm <sup>-1</sup> ). <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 177, 170-180.	2.3	25
66	New measurements and global analysis of chloromethane in the region from 0 to 1800cm <sup>-1</sup> . <i>Journal of Molecular Spectroscopy</i> , 2003, 221, 199-212.	1.2	23
67	First theoretical global line lists of ethylene ( <sup>12</sup> C <sub>2</sub> H <sub>4</sub> ) spectra for the temperature range 50âˆ“700 K in the far-infrared for quantification of absorption and emission in planetary atmospheres. <i>Astronomy and Astrophysics</i> , 2016, 594, A47.	5.1	23
68	Analyses and modeling of the 12CH <sub>4</sub> spectrum at 80 K between 6539 and 6800 cm <sup>-1</sup> . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 168, 207-216.	2.3	23
69	Vibrational energy levels of methyl chloride calculated from full dimensional ab initio potential energy surface. <i>Journal of Molecular Spectroscopy</i> , 2008, 252, 17-21.	1.2	22
70	Spectroscopic line parameters of 12 CH <sub>4</sub> for atmospheric composition retrievals in the 4300âˆ“4500 cm <sup>-1</sup> region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 186, 106-117.	2.3	21
71	Methane high-temperature partition function from contact transformations and variational calculations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 167, 53-63.	2.3	20
72	Measurements and modeling of long-path 12CH <sub>4</sub> spectra in the 5300âˆ“5550âˆ“cm <sup>-1</sup> region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 202, 255-264.	2.3	20

#	ARTICLE	IF	CITATIONS
73	Atlas of Experimental and Theoretical High-temperature Methane Cross Sections from $T = 295$ to $1000$ K in the Near-infrared. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 4.	7.7	20
74	Global modeling of the lower three polyads of PH <sub>3</sub> : Preliminary results. <i>Journal of Molecular Spectroscopy</i> , 2009, 256, 4-16.	1.2	19
75	Preliminary assignments of $2^{1/2}3^{\nu_2}$ hot band of <sup>12</sup> CH <sub>4</sub> in the $2^{1/4}$ m transparency window from long-path FTS spectra. <i>Journal of Molecular Spectroscopy</i> , 2011, 268, 93-93.	1.2	18
76	Measurements and modeling of cold <sup>13</sup> CH <sub>4</sub> spectra in the $3750 - 4700$ $\text{cm}^{-1}$ region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 174, 88-100.	2.3	18
77	The <sup>13</sup> CH <sub>4</sub> absorption spectrum in the Icosad range ( $6600 - 7692$ $\text{cm}^{-1}$ ) at $80$ K and $296$ K: Empirical line lists and temperature dependence. <i>Journal of Molecular Spectroscopy</i> , 2016, 326, 115-121.	1.2	17
78	The methane absorption spectrum near $1.73 \mu\text{m}$ ( $5695 - 5850$ $\text{cm}^{-1}$ ): Empirical line lists at $80$ K and $296$ K and rovibrational assignments. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 213, 169-177.	2.3	17
79	Towards a complete elucidation of the ro-vibrational band structure in the SF <sub>6</sub> infrared spectrum from full quantum-mechanical calculations. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 12115-12126.	2.8	17
80	Full-Dimensional Potential Energy and Dipole Moment Surfaces of GeH <sub>4</sub> Molecule and Accurate First-Principle Rotationally Resolved Intensity Predictions in the Infrared. <i>Journal of Physical Chemistry A</i> , 2016, 120, 8983-8997.	2.5	15
81	Rotational and vibrational energy levels of methyl fluoride calculated from a new potential energy surface. <i>Journal of Molecular Spectroscopy</i> , 2012, 274, 28-34.	1.2	14
82	Global modeling of NF <sub>3</sub> line positions and intensities from far to mid-infrared up to $2200$ $\text{cm}^{-1}$ . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 239, 106668.	2.3	14
83	Analysis of PH <sub>3</sub> spectra in the Octad range $2733 - 3660$ $\text{cm}^{-1}$ . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 203, 472-479.	2.3	13
84	Assignment and modelling of <sup>12</sup> CH <sub>4</sub> spectra in the $5550 - 5695$ , $5718 - 5725$ and $5792 - 5814$ $\text{cm}^{-1}$ regions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 219, 323-332.	2.3	13
85	$2^{1/2}3$ Band of <sup>12</sup> CF <sub>4</sub> and Its Simultaneous Analysis with $1^{1/2}3$ . <i>Journal of Molecular Spectroscopy</i> , 1995, 170, 431-448.	1.2	11
86	First Full-Dimensional Potential Energy and Dipole Moment Surfaces of SF <sub>6</sub> . <i>Journal of Physical Chemistry A</i> , 2020, 124, 7014-7023.	2.5	11
87	A global view of isotopic effects on ro-vibrational spectra of six-atomic molecules: a case study of eleven ethylene species. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3204-3216.	2.8	11
88	Improved line list of <sup>12</sup> CH <sub>4</sub> in the $3760 - 4100$ $\text{cm}^{-1}$ region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 225, 351-362.	2.3	10
89	Improved line list of <sup>12</sup> CH <sub>4</sub> in the $8850 - 9180$ $\text{cm}^{-1}$ region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 239, 106646.	2.3	9
90	Vibrational levels of formaldehyde: Calculations from new high precision potential energy surfaces and comparison with experimental band origins. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 260, 107478.	2.3	9

#	ARTICLE	IF	CITATIONS
91	Partition sums for non-local thermodynamic equilibrium conditions for nine molecules of importance in planetary atmospheres. <i>Icarus</i> , 2022, 378, 114947.	2.5	9
92	New <i>Ab Initio</i> Potential Energy Surfaces for NH <sub>3</sub> Constructed from Explicitly Correlated Coupled-Cluster Methods. <i>Journal of Physical Chemistry A</i> , 2021, 125, 10568-10579.	2.5	9
93	Improved spectroscopic line list of methyl chloride in the 1900–2600 cm <sup>-1</sup> spectral region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 177, 49-58.	2.3	8
94	Isotopic and symmetry breaking effects on phosphine spectra under H → D substitutions from ab initio variational calculations. <i>Journal of Chemical Physics</i> , 2018, 149, 174305.	3.0	8
95	Modeling of vibrational energy levels of methane from the <i>Ab initio</i> constructed potential energy surface. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2009, 106, 176-182.	0.6	7
96	Symmetry effects in rotationally resolved spectra of bi-deuterated ethylene: Theoretical line intensities of <i>cis</i> , <i>trans</i> , and <i>as</i> -C <sub>2</sub> H <sub>2</sub> D <sub>2</sub> isotopomers. <i>Journal of Chemical Physics</i> , 2019, 150, 194303.	3.0	7
97	Derivation of $\tilde{I}$ -dependent coordinate transformations for nonrigid molecules in the Hougen–Bunker–Johns formalism. <i>Journal of Chemical Physics</i> , 2020, 153, 084102.	3.0	7
98	<i>Global analysis of chloromethane: determinability of ground state constants</i> . , 2004, , .		6
99	First-principles calculations of infrared spectra for three ethylene isotopologues: <sup>13</sup> C <sub>2</sub> H <sub>4</sub> , <sup>13</sup> C <sup>12</sup> CH <sub>4</sub> and <sup>12</sup> C <sub>2</sub> H <sub>3</sub> D. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 230, 142-154.	2.3	6
100	Line list of <sup>12</sup> CH <sub>4</sub> in the 4300–4600 cm <sup>-1</sup> region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 253, 107061.	2.3	6
101	Assignment and modeling of the <sup>13</sup> CH <sub>4</sub> cold absorption spectrum in the 5471–5852 cm <sup>-1</sup> spectral range. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 235, 278-286.	2.3	5
102	Line intensities of CH <sub>3</sub> D in the Triad region: 6–10 μm. <i>Journal of Molecular Structure</i> , 2004, 695-696, 181-188.	3.6	4
103	New efficient algorithm for the calculation of energy levels of AB <sub>3</sub> type molecules. <i>Molecular Physics</i> , 2011, 109, 483-492.	1.7	4
104	An efficient code for calculation of the 6C, 9C and 12C symbols for , , and point groups. <i>Computer Physics Communications</i> , 2012, 183, 733-736.	7.5	4
105	The <sup>13</sup> CH <sub>4</sub> absorption spectrum at 80 K: Assignment and modeling of the lower part of the Tetradecad in the 4970–5470 cm <sup>-1</sup> spectral range. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 206, 306-312.	2.3	4
106	Highly excited vibrational levels of methane up to 10 300 cm <sup>-1</sup> : Comparative study of variational methods. <i>Journal of Chemical Physics</i> , 2018, 149, 124305.	3.0	4
107	Line list for NF <sub>3</sub> molecule in the 1750–1950 cm <sup>-1</sup> region. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 232, 10-19.	2.3	4
108	Matrix elements of vibration kinetic energy operator of tetrahedral molecules in non-orthogonal-dependent coordinates. <i>Molecular Physics</i> , 2018, 116, 44-53.	1.7	3

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------

109			
-----	--	--	--