Valery S Ivanov

List of Publications by Year
in descending order

25	298	687363	888059
papers	citations	13 h-index	17 g-index

25	25	25	104
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Observations and analysis with the spline-based Rydbergâ€“Kleinâ€“Rees approach for the 31Î£g+ state of Rb2. Journal of Chemical Physics, 2016, 144, 024308.	3.0	9
2	Multiparameter model functions in problems of approximating ab initio potentials and spectroscopic data of diatomic molecules. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2013, 114, 167-176.	0.6	10
3	Observations of the Cs2 <mml:math altimg="si30.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	2.6	5
4	The hyperfine structure analysis of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si14.gif" display="inline" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>K</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:m width="0.35em" /><mml:msup><mml:mrow><mml:mn>2</mml:mn></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msup><mm mathvariant="normal">Î£</mml:mi></mml:mrow><mml:mrow><mml:mi>g</mml:mi></mml:mrow><mml:mr.	2.6	6
5	Observation and calculation of the Cs2â€ˆ2Î 1g3 and bÎu3 states. Journal of Chemical Physics, 2008, 128, 204313.	3.0	17
6	The K239 2Î£g+3 state: Observation and analysis. Journal of Chemical Physics, 2007, 126, 194314.	3.0	13
7	The <mml:math altimg="si23.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	2.6	26
8	Observations and analysis of the K2 state using the infraredâ€“infrared double resonance spectroscopy. Chemical Physics, 2007, 332, 10-16.	1.9	8
9	Combined analysis of the PFOODR data on the a 3Î£ u + , 23Îg, 23Î£ g + , 33Îg, and 43Î£ g + states of the K2 molecule. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 103, 723-727.	0.6	7
10	New Observation of Na2 43g+ State by Pulsed Perturbation Facilitated OpticalOptical Double Resonance Spectroscopy. Chinese Journal of Chemical Physics, 2006, 19, 11-14.	1.3	3
11	The K2 23Îg State:â€‰ New Observations and Analysis. Journal of Physical Chemistry A, 2006, 110, 11260-11264.	2.5	14
12	Analysis of the Na2 state above and below the 3s+3d atomic limit. Journal of Molecular Spectroscopy, 2006, 236, 35-41.	1.2	5
13	New experimental data on the K2 state analyzed with the multi-parameter approach. Journal of Molecular Spectroscopy, 2005, 234, 41-52.	1.2	25
14	Revision of the K2 33Îg and states: new vibrational numberings and new potential functions. Journal of Molecular Spectroscopy, 2005, 229, 122-130.	1.2	15
15	Determination of the parameters of the potential well of a diatomic molecule with the use of the experimental spectrum of an electronic transition to a repulsive branch of the state under study. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2004, 96, 21-24.	0.6	3
16	The state of Na2: observation and assignment. Journal of Molecular Spectroscopy, 2004, 225, 33-38.	1.2	14
17	Joint analysis of the attractive and repulsive regions of the Na2â€‰aâ€Š3Î£u+ state potential: A new empirical potential energy curve. Journal of Chemical Physics, 2003, 118, 8242-8247.	3.0	20
18	Use of Boundâ€“Free Structured Spectra in Determining RKR Potentials: The 43Îg State of Na2. Journal of Molecular Spectroscopy, 2001, 209, 116-121.	1.2	16

#	Article	IF	Citations
19	Analysis of the Na2 23Î£g+â†'a3Î£u+ continua: Potentials and transition moment function. Journal of Chemical Physics, 2001, 114, 6077-6085.	3.0	15
20	Split operator method for the nonadiabatic (J=0) bound states and (Aâ†X) absorption spectrum of NO2. Journal of Chemical Physics, 2001, 115, 6450-6458.	3.0	16
21	Franck-Condon factor phase method for determining the potentials of bound states of piatomic molecules. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 88, 852-856.	0.6	4
22	New Vibrational Numbering and Potential Energy Curve for the 33ÎgElectronic State of the Li2Molecule. Journal of Molecular Spectroscopy, 1999, 194, 147-155.	1.2	26
23	<title>Inversion procedures for the PFOODR experimental data on the Li<formula><inf><roman>2</roman></inf></formula> molecule</title>. , 1999, , .		4
24	Inversion procedures for bound-free diatomic transition intensities: application to the PFOODR spectra of7Li 2. , 1997, 3090, 150.		3
25	An IPA procedure for bound-continuum diatomic transition intensities. Chemical Physics, 1996, 213, 295-301.	1.9	14