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	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
2	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" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	2.6	26
3	New experimental data on the K2 state analyzed with the multi-parameter approach. Journal of Molecular Spectroscopy, 2005, 234, 41-52.	1.2	25
4	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
5	Observation and calculation of the Cs2â€ˆ2Î”1g3 and bÎu3 states. Journal of Chemical Physics, 2008, 128, 204313.	3.0	17
6	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
7	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
8	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
9	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
10	An IPA procedure for bound-continuum diatomic transition intensities. Chemical Physics, 1996, 213, 295-301.	1.9	14
11	The state of Na2: observation and assignment. Journal of Molecular Spectroscopy, 2004, 225, 33-38.	1.2	14
12	The K2 23Îg State:â€‰ New Observations and Analysis. Journal of Physical Chemistry A, 2006, 110, 11260-11264.	2.5	14
13	The K239 2Î£g+3 state: Observation and analysis. Journal of Chemical Physics, 2007, 126, 194314.	3.0	13
14	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
15	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
16	Observations and analysis of the K2 state using the infraredâ€“infrared double resonance spectroscopy. Chemical Physics, 2007, 332, 10-16.	1.9	8
17	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
18	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

#	Article	IF	Citations
19	Analysis of the Na2 state above and below the 3s+3d atomic limit. Journal of Molecular Spectroscopy, 2006, 236, 35-41.	1.2	5
20	Two-photon excitations 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" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.c. Che	2.6	5
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	<title>Inversion procedures for the PFOODR experimental data on the Li<formula><inf><roman>2</roman></inf></formula> molecule</title>. , 1999, , .		4
23	Inversion procedures for bound-free diatomic transition intensities: application to the PFOODR spectra of7Li 2. , 1997, 3090, 150.		3
24	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
25	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