

Vadim A Alekseev

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5932016/publications.pdf>

Version: 2024-02-01

44
papers

382
citations

759233

12
h-index

888059

17
g-index

44
all docs

44
docs citations

44
times ranked

275
citing authors

#	ARTICLE	IF	CITATIONS
1	Cool DZ white dwarfs I: Identification and spectral analysis. Monthly Notices of the Royal Astronomical Society, 0, , stx250.	4.4	54
2	Quenching Rate Constants and Product Assignments for Reactions of Xe(7p[3/2]2, 7p[5/2]2, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Physical Chemistry, 1996, 100, 5766-5780.	2.9	39
3	A pulsed source for Xe(6s[3/2]1) and Xe(6s[1/2]1) resonance state atoms using two-photon driven amplified spontaneous emission from the Xe(6p) and Xe(6p[2]) states. Journal of Chemical Physics, 1996, 105, 4613-4625.	3.0	27
4	Generation and Kinetic Studies of Xe(5d[3/2]1) Resonance State Atoms. Journal of Physical Chemistry A, 1999, 103, 8396-8403.	2.5	23
5	Optical-optical double-resonance spectroscopic study of four ion-pair states of ClF and identification of the ClF(A[31]) valence state. Journal of Chemical Physics, 1997, 107, 4771-4782.	3.0	20
6	TheA(31) State of ClF. Journal of Molecular Spectroscopy, 1999, 195, 162-171.	1.2	17
7	A Pulsed Source for Kr(5s[3/2]1) Resonance State Atoms Using Two-Photon-Driven Amplified Spontaneous Emission: Measurement of Quenching Rate Constants. Journal of Physical Chemistry A, Evidence for amplified spontaneous emission from the <math 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/co	2.5	17
8	Collisional profiles of ionized calcium perturbed by helium. Advances in Space Research, 2014, 54, 1248-1253.	2.6	17
9	Amplified spontaneous emission and its application for population of resonant states of the Xe and Kr atoms. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2002, 93, 334-339.	0.6	16
10	TheD[2] 1 A[2] Transition in ClF. Journal of Molecular Spectroscopy, 1999, 194, 61-72.	1.2	15
11	Characterization of a shallow-bound Og+ valence state of I2 using emission from the D Ou+(3P2) and F[2] Ou+(1D2) ion-pair states populated by amplified spontaneous emission. Physical Chemistry Chemical Physics, 2007, 9, 5885.	2.8	14
12	Ion-Pair States of I[sub 2], Br[sub 2], IBr, and ICl. Optics and Spectroscopy (English Translation of) Tj ETQq1 1 0.784314 rgBT /Overlock 0,6 12	0.6	12
13	Ab initio study of ion-pair states of I2 molecule. Optics and Spectroscopy (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	0.6	12
14	Theoretical profiles of the Mg⁺ resonance lines perturbed by collisions with He. Astronomy and Astrophysics, 2016, 593, A13.	5.1	11
15	Analysis of the bound-free emission spectra from the E(0+) and f(0+) ion-pair states of ClF to obtain potentials for the ion-pair and repulsive valence states. Journal of Chemical Physics, 1998, 109, 1763-1771.	3.0	7
16	Nonadiabatic effects in the lowest O+(3P) ion-pair states of ClF. Journal of Chemical Physics, 2001, 114, 3003-3009.	3.0	6
17	Vibrational satellites of dipole-forbidden transitions in Xe/CF4 mixtures. Chemical Physics Letters, 2007, 436, 327-330.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Vibrational satellite of Na(3d ¹ 3s) dipole-forbidden transition in Na/CF ₄ mixture. Chemical Physics Letters, 2008, 463, 47-49.	2.6	5
20	Simultaneous optical excitation of Na electronic and CF ₄ vibrational modes in Na+CF ₄ collisions. Journal of Chemical Physics, 2008, 129, 201102.	3.0	5
21	Satellites of Xe transitions induced by infrared active vibrational modes of CF ₄ and C ₂ F ₆ molecules. Journal of Chemical Physics, 2011, 135, 044313.	3.0	5
22	Ab initio study of rare gas halides. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 105101.	1.5	5
23	An ab initio study of ion-pair states of the Br ₂ molecule. Optics and Spectroscopy (English Translation) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.6	5
24	Homogeneous interaction of ion-pair states of ClF. Optics and Spectroscopy (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	4
25	Some aspects of the kinetics of formation of triatomic halogenides of rare gases. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2006, 100, 178-187.	0.6	3
26	Ab Initio Study of Ion-Pair States of Halogen Molecules. Russian Journal of Physical Chemistry A, 2020, 94, 1382-1395.	0.6	3
27	Vacuum ultraviolet absorption in Xe+CF ₄ and Kr+CF ₄ mixtures. Optics and Spectroscopy (English) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.6	2
28	The [¹ S ₀] ⁺ [^{3,1} P ₁] Transitions In Xe And Kr Atoms Perturbed By CF ₄ And C ₂ F ₆ . , 2008, , .		2
29	Luminescence of ion-pair I ₂ (D ⁺) state in cryogenic perfluorocarbons and SF ₆ solids. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 035301.	1.5	2
30	Blue line wings of resonance lines of potassium and sodium perturbed by molecular hydrogen and rare gases. Journal of Physics: Conference Series, 2017, 810, 012023.	0.4	2
31	Electronic transition dipole moment function of the f' 0+ (1D ₂) ← X ¹ Σ ⁺ transition of ICl. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 277, 107992.	2.3	2
32	Satellites Of Atomic Transitions Induced By IR Active Vibrational Modes In Molecules.. , 2008, , .		1
33	Quasimolecular Absorption Of Xe+He And Kr+He Collision Pairs. , 2010, , .		1
34	Absorption and luminescence excitation spectra of ClF in the Vac UV region. Chemical Physics Letters, 2010, 495, 24-26.	2.6	1
35	On mechanism of population transfer to ungerade ion-pair states of I ₂ molecule. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 110, 335-339.	0.6	1
36	Luminescence of Ion-Pair States of Halogens in Liquid Perfluorocarbons.. Journal of Physical Chemistry A, 2012, 116, 1333-1336.	2.5	1

#	ARTICLE	IF	CITATIONS
37	Photoionisation study of Xe.CF ₄ and Kr.CF ₄ van-der-Waals molecules. Journal of Chemical Physics, 2016, 144, 184305.	3.0	1
38	Stimulated directional emission induced by two-photon excitation of the Xe 6p ² and Xe 7p states. Journal of Chemical Physics, 2017, 146, 094304.	3.0	1
39	Satellite Transition of the Resonance Doublet of the Na Atom in a Mixture with CF ₄ . JETP Letters, 2021, 114, 65-70.	1.4	1
40	Study of absorption on the wings of sodium resonance line perturbed by molecular hydrogen. Journal of Physics: Conference Series, 2012, 397, 012039.	0.4	0
41	Broadening of the H ₂ (X ⁺ B) transition lines in mixtures with rare gases and CF ₄ . Journal of Physics: Conference Series, 2012, 397, 012043.	0.4	0
42	Ionization of Kr.CF ₄ and Xe.CF ₄ van der Waals clusters: from face to vertex geometry. Journal of Physics: Conference Series, 2015, 635, 112056.	0.4	0
43	Chemistry of the oldest white dwarf planetary systems. Proceedings of the International Astronomical Union, 2017, 13, 202-209.	0.0	0
44	Mechanism of the Three-Photon Population of Ion-Pair States of Iodine via Valence States Near the I ₂ P _{1/2} + I ₂ P _{1/2} Dissociation Limit. Russian Journal of Physical Chemistry A, 2018, 92, 1508-1515.	0.6	0