

Boguslaw Furmann

List of Publications by Year in descending order

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papers

571
citations

623734

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677142

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40
all docs

40
docs citations

40
times ranked

124
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable single-mode cw energy-transfer dye laser directly optically pumped by a diode laser. Optics and Laser Technology, 2019, 120, 105673.	4.6	10
2	Hyperfine structure studies of the odd-parity electronic levels of the terbium atom. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 237, 106613.	2.3	5
3	Hyperfine structure studies of the odd-parity electronic levels in the holmium atom. II: New levels. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 235, 70-80.	2.3	8
4	Hyperfine structure studies of the odd-parity electronic levels of the holmium atom. I: Levels with known energies. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 234, 115-123.	2.3	9
5	Possibilities of investigations of the temporal variation of the \hat{I}_{\pm} constant in the holmium atom. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 213, 159-168.	2.3	12
6	Fine- and hyperfine structure investigations of the even-parity configuration system of the atomic holmium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 209, 180-195.	2.3	17
7	Lande g factors for even-parity electronic levels in the holmium atom. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 210, 136-140.	2.3	9
8	Hyperfine structure investigations for the odd-parity configuration system in atomic holmium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 286-295.	2.3	17
9	Identification of new electronic levels in the holmium atom and investigation of their hyperfine structure. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 219, 117-126.	2.3	11
10	Tunable continuous wave single-mode dye laser directly pumped by a diode laser. Laser Physics Letters, 2017, 14, 045701.	1.4	22
11	Hyperfine structure of the odd-parity configuration $4f^9 5d$ in singly ionized terbium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 200, 113-124.	2.3	3
12	Fine- and hyperfine structure investigations of even configuration system of atomic terbium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 189, 441-456.	2.3	13
13	Hyperfine structure of the odd parity level system in the terbium atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 175002.	1.5	11
14	Hyperfine structure of the $4f^8 5d^2 6s$ configuration in the Tb atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 025001.	1.5	12
15	Hyperfine structure of the $4f^8 5d 6s^2$ configuration of the Tb atom. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 111, 38-45.	2.9	13
16	6s electron screening in isotope shifts of configurations $4f^{⁷ 5d 6s$, $4f^{⁷ 6s 6d}$ and $4f^{⁷ 6s 7d}$ in europium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 085001.	1.5	6
17	Experimental verification of isotope shift and hyperfine structure of some even parity levels of neutral Eu. Physica Scripta, 2014, 89, 095402.	2.5	5
18	Experimental determination of core relaxation and screening effects on the wavefunction at a nucleus for stable isotopes of $^{151,153}\text{Eu}$ II. European Physical Journal: Special Topics, 2013, 222, 2279-2284.	2.6	2

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19	Hyperfine structure and isotope shift measurements of unclassified lines in Eu II and new determination of the partition function. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 235005.	1.5	10
20	Isotope shift and hyperfine structure in even configurations of neutral europium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 225005.	1.5	11
21	Techniques of laser spectroscopy in investigations of lanthanides' free atoms and ions. Hyperfine Interactions, 2010, 196, 61-69.	0.5	4
22	Critical analysis of the methods of interpretation in the hyperfine structure of free atoms and ions: case of the model space $(5d+6s)^3$ of the lanthanum atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 065001.	1.5	45
23	Experimental investigations of the hyperfine structure in neutral La: II. Even parity levels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 015001.	1.5	29
24	Experimental investigations of the hyperfine structure in neutral La: I. Odd parity levels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 175005.	1.5	34
25	Hyperfine structure in La II even configuration levels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 235002.	1.5	15
26	Hyperfine structure in La II odd configuration levels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 215004.	1.5	20
27	High precision investigations of the hyperfine structure of metastable levels in a chromium atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 2785-2797.	1.5	13
28	Hyperfine structure analysis odd configurations levels in neutral lanthanum: I. Experimental. Physica Scripta, 2007, 76, 264-279.	2.5	38
29	New electron levels and classified lines in Pr II from hyperfine structure measurements. Atomic Data and Nuclear Data Tables, 2007, 93, 127-137.	2.4	17
30	New levels and hyperfine structure evaluation in neutral praseodymium. Physica Scripta, 2006, 74, 658-669.	2.5	35
31	Laser spectroscopic investigation of isotope shifts in Nd II lines. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 447-453.	2.9	8
32	Isotope shift in chromium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 33-40.	2.9	12
33	New Levels and Hyperfine Structure Evaluation in Singly Ionized Praseodymium. Physica Scripta, 2005, 72, 300-308.	2.5	22
34	Hyperfine-structure measurements and new levels evaluation in singly ionized praseodymium. European Physical Journal D, 2001, 17, 275-284.	1.3	24
35	Hyperfine structures in the configuration $4f35d6s$ of the praseodymium atom (Optics Comm. 140 (1997))	1.0784314	14
36	Study of the hyperfine structure of Titanium atom by laser induced fluorescence on an atomic beam. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1997, 42, 97-99.	1.0	3

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37	Hyperfine structures in the configuration 4f ³ 5d ⁶ s of the praseodymium atom. Optics Communications, 1997, 140, 216-219.	2.1	18
38	Observation of Pr ⁺ ions in Paul Trap. Acta Physica Polonica A, 1997, 92, 517-526.	0.5	4
39	Isotope shift in titanium atom. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1996, 37, 289-294.	1.0	11
40	Studies of Hyperfine Structure of LaI by Laser Spectroscopy on Atomic Beam. Acta Physica Polonica A, 1996, 89, 517-526.	0.5	13