Boguslaw Furmann

List of Publications by Year
in descending order

40	571	623734 14	677142 22
papers	citations	h-index	g-index

40	40	40	124
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Critical analysis of the methods of interpretation in the hyperfine structure of free atoms and ions: case of the model space (5d+6s)³of the lanthanum atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 065001.	1.5	45
2	Hyperfine structure analysis odd configurations levels in neutral lanthanum: I. Experimental. Physica Scripta, 2007, 76, 264-279.	2.5	38
3	New levels and hyperfine structure evaluation in neutral praseodymium. Physica Scripta, 2006, 74, 658-669.	2.5	35
4	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
5	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
6	Hyperfine-structure measurements and new levels evaluation in singly ionized praseodymium. European Physical Journal D, 2001, 17, 275-284.	1.3	24
7	New Levels and Hyperfine Structure Evaluation in Singly Ionized Praseodymium. Physica Scripta, 2005, 72, 300-308.	2.5	22
8	Tunable continuous wave single-mode dye laser directly pumped by a diode laser. Laser Physics Letters, 2017, 14, 045701.	1.4	22
9	Hyperfine structure in La II odd configuration levels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 215004.	1.5	20
10	Hyperfine structures in the configuration 4f35d6s of the praseodymium atom. Optics Communications, 1997, 140, 216-219.	2.1	18
11	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
12	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
13	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
14	Hyperfine structure in La II even configuration levels. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 235002.	1.5	15
15	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
16	Hyperfine structure of the 4f85d6s2 configuration of the Tb atom. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 111, 38-45.	2.9	13
17	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
18	Studies of Hyperfine Structure of LaI by Laser Spectroscopy on Atomic Beam. Acta Physica Polonica A, 1996, 89, 517-526.	0.5	13

#	Article	IF	Citations
19	Isotope shift in chromium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 33-40.	2.9	12
20	Hyperfine structure of the $4{f}^{8}5{d}^{2}6s$ configuration in the Tb atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 025001.	1.5	12
21	Possibilities of investigations of the temporal variation of the Î± constant in the holmium atom. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 213, 159-168.	2.3	12
22	Isotope shift in titanium atom. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1996, 37, 289-294.	1.0	11
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Laser spectroscopic investigation of isotope shifts in Nd II lines. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 447-453.	2.9	8
31	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
32	6s electron screening in isotope shifts of configurations 4f⁷5d6s, 4f⁷6s6d and 4f⁷6s7d in europium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 085001.	1.5	6
33	Experimental verification of isotope shift and hyperfine structure of some even parity levels of neutral Eu. Physica Scripta, 2014, 89, 095402.	2.5	5
34	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
35	Techniques of laser spectroscopy in investigations of lanthanidesâ€™ free atoms and ions. Hyperfine Interactions, 2010, 196, 61-69.	0.5	4
36	Observation of Pr+Ions in Paul Trap. Acta Physica Polonica A, 1997, 92, 517-526.	0.5	4

#	Article	IF	Citations
37	Study of the hyperfine structure of Titanium atom by laser induced fluorescence on an atomic beam. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1997, 42, 97-99.	1.0	3
38	Hyperfine structure of the odd-parity configuration 4f95d in singly ionized terbium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 200, 113-124.	2.3	3
39	Experimental determination of core relaxation and screening effects on the wavefunction at a nucleus for stable isotopes of â€" 151,153Eu II. European Physical Journal: Special Topics, 2013, 222, 2279-2284.	2.6	2
40	Hyperfine structures in the configuration 4f35d6s of the praseodymium atom (Optics Comm. 140 (1997)) Tj ETQq0 0 0 rgBT /Overlock	2.1	0