

Ewa Stachowska

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of energy matrix for complex atoms in space of $(nd + n's)N + 2 + \hat{L}1, jndN + 2$ configurations. <i>Physica Scripta</i> , 1996, 54, 444-457.	2.5	43
2	Electrons in a cryogenic planar Penning trap and experimental challenges for quantum processing. <i>European Physical Journal D</i> , 2008, 50, 97-102.	1.3	30
3	Sternheimer free determination of the ^{59}Co nuclear quadrupole moment from hyperfine-structure measurements. <i>Physical Review A</i> , 1993, 48, 2752-2761.	2.5	24
4	Ground-state hyperfine-structure measurements of unstable Eu^+ isotopes in a Paul ion trap. <i>Physical Review A</i> , 1997, 56, 265-269.	2.5	24
5	Hyperfine-structure measurements and new levels evaluation in singly ionized praseodymium. <i>European Physical Journal D</i> , 2001, 17, 275-284.	1.3	24
6	Interpretation of the Hyperfine Structure of the Even Configuration System of Pr I. <i>Physica Scripta</i> , 2003, 68, 133-140.	2.5	24
7	New Levels and Hyperfine Structure Evaluation in Singly Ionized Praseodymium. <i>Physica Scripta</i> , 2005, 72, 300-308.	2.5	22
8	Experimental and theoretical challenges for the trapped electron quantum computer. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 154010.	1.5	20
9	Measurement and interpretation of the odd-parity levels of Pb I. <i>Physical Review A</i> , 1994, 49, 745-754.	2.5	19
10	Reanalysis and semi-empirical predictions of the hyperfine structure of ^{91}Zr in the model space $(4d + 5s)^4$. <i>European Physical Journal D</i> , 1998, 4, 39-46.	1.3	18
11	New electron levels and classified lines in Pr II from hyperfine structure measurements. <i>Atomic Data and Nuclear Data Tables</i> , 2007, 93, 127-137.	2.4	17
12	Parametrization of two-body perturbation on atomic fine and hyperfine structure. The configuration $(6p)3$ in the bismuth atom. <i>Zeitschrift für Physik A</i> , 1983, 310, 27-36.	1.4	15
13	New approach of level-fitting calculations in multiconfiguration approximation. a test on the silicon atom. <i>Physica Scripta</i> , 1991, 43, 248-256.	2.5	15
14	Off-diagonal effects in the hyperfine-structure splitting in the Eu^+ $4f^7 6s^6 d$. <i>Physical Review A</i> , 1991, 44, 5737-5743.	2.5	15
15	Hyperfine-structure measurements in the ground state of radioactive Eu^{150} ions. <i>Physical Review A</i> , 1995, 52, 4434-4438.	2.5	15
16	Hyperfine splitting and isotope shift in the optical transition of Eu isotopes and electromagnetic moments of Eu. <i>European Physical Journal D</i> , 2000, 11, 341-345.	1.3	13
17	Reanalysis and Semi-Empirical Predictions of the Hyperfine Structure of Eu I in the Odd Parity Multiconfiguration System. <i>Physica Scripta</i> , 2002, 65, 237-247.	2.5	13
18	High precision investigations of the hyperfine structure of metastable levels in a chromium atom. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 2785-2797.	1.5	13

#	ARTICLE	IF	CITATIONS
19	Isotope shift in chromium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 33-40.	2.9	12
20	Status of the physics of substellar objects project. Astronomische Nachrichten, 2005, 326, 920-924.	1.2	10
21	Recent progress in the theory of the complex atomic hyperfine structure. , 2000, 127, 49-56.		8
22	Laser spectroscopic investigation of isotope shifts in Nd II lines. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 447-453.	2.9	8
23	Ion trap nuclear resonance on $^{151}\text{Eu}^+$. European Physical Journal D, 2003, 26, 237-244.	1.3	4
24	Non-destructive Testing of Metal-Polymer Laminates with a Digital Holographic Vibrometer. Journal of Nondestructive Evaluation, 2020, 39, 1.	2.4	4
25	Evidence of Skin Barrier Damage by Cyclic Siloxanes (Silicones) Using Digital Holographic Microscopy. International Journal of Molecular Sciences, 2020, 21, 6375.	4.1	4
26	Human live spermatozoa morphology assessment using digital holographic microscopy. Scientific Reports, 2022, 12, 4846.	3.3	3
27	Fine structure energy matrix for the system. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 138, 347-355.	0.9	2
28	Revision of the energy scheme of the arsenic atom. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 142, 111-119.	0.9	2
29	On the level system of Bi II. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 205003.	1.5	2
30	PoSSO – Physics of SubStellar Objects. , 0, , 477-483.		1
31	Experimental investigation of the stability diagram for Paul traps in the case of praseodymium ions. Hyperfine Interactions, 2006, 171, 233-241.	0.5	1
32	Laser spectroscopy in a Paul trap. , 2000, 4238, 11.		0
33	The application of laser spectroscopy to investigations of praseodymium and neodymium. , 2005, , .		0
34	Nonlinear resonances in a quadrupole ion trap by laser induced fluorescence. , 2005, , .		0
35	Modulation of LIF emitted by trapped ions by variation of trapping potential. , 2005, , .		0
36	Observation of space charge effects in dynamics of trapped ions. , 2005, , .		0