

Andrzej Adamczak

List of Publications by Year in descending order

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papers

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46
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docs citations

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times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of spectator nuclear motion on the nonresonant formation of muonic hydrogen molecules. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 105206.	1.5	0
2	Muonic-atom scattering from hydrogenic liquids in an incoherent approach. <i>European Physical Journal D</i> , 2018, 72, 1.	1.3	0
3	The next generation of laser spectroscopy experiments using light muonic atoms. <i>Journal of Physics: Conference Series</i> , 2018, 1138, 012010.	0.4	19
4	FAMU: study of the energy dependent transfer rate $\hat{\nu} \hat{\nu}/4p \hat{\nu}' \hat{\nu}/4O$. <i>Journal of Physics: Conference Series</i> , 2018, 1138, 012017.	0.4	2
5	The FAMU experiment at RIKEN-RAL to study the muon transfer rate from hydrogen to other gases. <i>Journal of Instrumentation</i> , 2018, 13, P12033-P12033.	1.2	9
6	Nuclear structure with radioactive muonic atoms. <i>EPJ Web of Conferences</i> , 2018, 193, 04014.	0.3	4
7	First FAMU observation of muon transfer from $\hat{\nu}/4p$ atoms to higher-Z elements. <i>Journal of Instrumentation</i> , 2018, 13, P02019-P02019.	1.2	5
8	Steps towards the hyperfine splitting measurement of the muonic hydrogen ground state: pulsed muon beam and detection system characterization. <i>Journal of Instrumentation</i> , 2016, 11, P05007-P05007.	1.2	31
9	Low-energy negative muon interaction with matter. <i>Journal of Instrumentation</i> , 2016, 11, P03019-P03019.	1.2	1
10	Toward the measurement of the hyperfine splitting in the ground state of muonic hydrogen. <i>Hyperfine Interactions</i> , 2015, 233, 97-101.	0.5	12
11	Theoretical and computational study of the energy dependence of the muon transfer rate from hydrogen to higher-Z gases. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2015, 379, 151-156.	2.1	15
12	Shift and broadening of resonance lines of antiprotonic helium atoms in solid helium. <i>Physical Review A</i> , 2014, 90, .	2.5	4
13	Shift and broadening of resonance lines of antiprotonic helium atoms in liquid $4He$. <i>Physical Review A</i> , 2013, 88, .	2.5	5
14	Influence of epithermal muonic molecule formation on kinetics of the $\hat{\nu}/4CF$ processes in deuterium. <i>Hyperfine Interactions</i> , 2012, 209, 63-68.	0.5	3
15	Hyperfine spectroscopy of muonic hydrogen and the PSI Lamb shift experiment. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 281, 72-76.	1.4	26
16	Cold neutron scattering in imperfect deuterium crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 2520-2526.	1.4	1
17	Differential cross sections for and scattering using the Morse potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2730-2735.	2.1	0
18	Monte Carlo simulations of the $\hat{\nu}/4CF$ processes kinetics in deuterium gas. <i>European Physical Journal D</i> , 2009, 51, 341-345.	1.3	4

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19	Calculation of cross sections for muonic atom scattering from hydrogenic molecules using the Morse potential. <i>Physical Review A</i> , 2008, 78, .	2.5	1
20	Differential cross sections for muonic atom scattering in solid hydrogenic targets. <i>Physical Review A</i> , 2007, 76, .	2.5	4
21	Diffusion radius of muonic hydrogen atoms in H-D gas. <i>European Physical Journal D</i> , 2007, 41, 493-497.	1.3	9
22	Ramsauer-Townsend effect in muonic atom scattering. <i>Physical Review A</i> , 2006, 73, .	2.5	21
23	Differential cross sections for muonic atom scattering from hydrogenic molecules. <i>Physical Review A</i> , 2006, 74, .	2.5	18
24	Resonant μ formation in condensed hydrogen isotopes. <i>Physical Review A</i> , 2005, 72, .	2.5	3
25	Scattering of μ atoms in solid hydrogen. <i>Physical Review A</i> , 2003, 68, .	2.5	11
26	Generation of the Ultracold Muonic Hydrogen Flux. <i>Hyperfine Interactions</i> , 2001, 138, 47-53.	0.5	2
27	Advantages and Limitations of Solid Layer Experiments in Muon Catalyzed Fusion. <i>Hyperfine Interactions</i> , 2001, 138, 203-211.	0.5	10
28	Muonic Molecule Formation in Condensed Deuterium. <i>Hyperfine Interactions</i> , 2001, 138, 343-350.	0.5	2
29	Ramsauer-Townsend Effect in Solid Hydrogen. <i>Hyperfine Interactions</i> , 2001, 138, 41-46.	0.5	7
30	Resonant Scattering of Muonic Hydrogen Atoms and Dynamics of the Muonic Molecular Complex. <i>Hyperfine Interactions</i> , 2001, 138, 245-248.	0.5	0
31	On the Use of a H_2O_2 Gas Target in Muonic Hydrogen Atom Hyperfine Splitting Experiments. <i>Hyperfine Interactions</i> , 2001, 136, 1-7.	0.5	20
32	Measurement of the Resonant μ Molecular Formation Rate in Solid HD. <i>Physical Review Letters</i> , 2001, 86, 3763-3766.	7.8	15
33	Resonant μ formation in condensed deuterium. <i>Physical Review A</i> , 2001, 64, .	2.5	15
34	Precision measurement of μ capture in a hydrogen TPC. <i>Nuclear Physics A</i> , 2000, 663-664, 911c-914c.	1.5	6
35	Resonant Formation of μ Molecules in Deuterium: An Atomic Beam Measurement of Muon Catalyzed Fusion. <i>Physical Review Letters</i> , 2000, 85, 1642-1645.	7.8	30
36	Deceleration of muonic hydrogen atoms in solid hydrogens. , 1999, 119, 23-33.		21

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37	Thermalization of muonic hydrogen in hydrogen targets. <i>Hyperfine Interactions</i> , 1996, 101-102, 113-124.	0.5	21
38	ATLAS OF CROSS SECTIONS FOR SCATTERING OF MUONIC HYDROGEN ATOMS ON HYDROGEN ISOTOPE MOLECULES. <i>Atomic Data and Nuclear Data Tables</i> , 1996, 62, 255-344.	2.4	67
39	Spin-flip cross sections in muonic hydrogen scattering on hydrogen molecules. <i>Hyperfine Interactions</i> , 1995, 96, 277-287.	0.5	0
40	Differential cross sections for muonic hydrogen scattering on hydrogen molecules. <i>Hyperfine Interactions</i> , 1993, 82, 91-98.	0.5	17
41	Muon transfer rates in hydrogen isotope mesic atom collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 285, 319-324.	4.1	30
42	Low energy scattering of muonic hydrogen on hydrogen molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1986, 118, 181-184.	2.1	14
43	Electron screening in low energy scattering of muonic hydrogen on hydrogen atoms. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1986, 4, 153-160.	1.0	15
44	Back decay of muonic molecular resonances and the measured value of $d^{1/4}d$ -formation rate in muon-catalyzed fusion in deuterium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1985, 109, 224-227.	2.1	8
45	Measuring the size of the proton. <i>SPIE Newsroom</i> , 0, , .	0.1	7