

Livia Ludhova

List of Publications by Year in descending order

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41
papers

4,691
citations

304701

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315719

38
g-index

41
all docs

41
docs citations

41
times ranked

3132
citing authors

#	ARTICLE	IF	CITATIONS
1	The size of the proton. Nature, 2010, 466, 213-216.	27.8	1,113
2	Neutrino physics with JUNO. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 030401.	3.6	750
3	Proton Structure from the Measurement of 2S-2P Transition Frequencies of Muonic Hydrogen. Science, 2013, 339, 417-420.	12.6	676
4	Precision Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Be} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle \text{Solar Neutrino Interaction Rate in Borexino. Physical Review Letters, 2011, 107, 141302.} \rangle$	7.8	441
5	Neutrinos from the primary proton \rightarrow proton fusion process in the Sun. Nature, 2014, 512, 383-386.	27.8	250
6	Laser spectroscopy of muonic deuterium. Science, 2016, 353, 669-673.	12.6	225
7	Measurement of the Kaonic Hydrogen X-Ray Spectrum. Physical Review Letters, 2005, 94, 212302.	7.8	215
8	The next-generation liquid-scintillator neutrino observatory LENA. Astroparticle Physics, 2012, 35, 685-732.	4.3	181
9	Status of light sterile neutrino searches. Progress in Particle and Nuclear Physics, 2020, 111, 103736.	14.4	123
10	Thin-Disk Yb:YAG Oscillator-Amplifier Laser, ASE, and Effective Yb:YAG Lifetime. IEEE Journal of Quantum Electronics, 2009, 45, 993-1005.	1.9	92
11	Muon and cosmogenic neutron detection in Borexino. Journal of Instrumentation, 2011, 6, P05005-P05005.	1.2	68
12	Borexino calibrations: hardware, methods, and results. Journal of Instrumentation, 2012, 7, P10018-P10018.	1.2	60
13	Test of Electric Charge Conservation with Borexino. Physical Review Letters, 2015, 115, 231802.	7.8	42
14	Calibration strategy of the JUNO experiment. Journal of High Energy Physics, 2021, 2021, 1.	4.7	39
15	Powerful fast triggerable 6 $\frac{1}{4}$ m laser for the muonic hydrogen 2S-Lamb shift experiment. Optics Communications, 2005, 253, 362-374.	2.1	37
16	Light yield in DarkSide-10: A prototype two-phase argon TPC for dark matter searches. Astroparticle Physics, 2013, 49, 44-51.	4.3	36
17	DarkSide search for dark matter. Journal of Instrumentation, 2013, 8, C11021-C11021.	1.2	36
18	The muonic hydrogen Lamb-shift experiment. Canadian Journal of Physics, 2005, 83, 339-349.	1.1	31

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19	Reconstruction of Cretaceous rifts incorporated in the Outer West Carpathian wedge by balancing. Marine and Petroleum Geology, 2001, 18, 39-64.	3.3	30
20	Status of the muonic hydrogen Lamb-shift experiment. Canadian Journal of Physics, 2007, 85, 469-478.	1.1	27
21	Search for solar axions emitted in the M1-transition of ${}^7\text{Li}^*$ with Borexino CTF. European Physical Journal C, 2008, 54, 61-72.	3.9	26
22	Geo-neutrinos. Progress in Particle and Nuclear Physics, 2013, 73, 1-34.	14.4	24
23	Studying the Earth with Geoneutrinos. Advances in High Energy Physics, 2013, 2013, 1-16.	1.1	21
24	Nitrogen-bearing fluids, brines and carbonate liquids in Variscan migmatites of the Tatra Mountains, Western Carpathians - heritage of high-pressure metamorphism. European Journal of Mineralogy, 2000, 12, 1283-1300.	1.3	17
25	Potential of geo-neutrino measurements at JUNO. Chinese Physics C, 2016, 40, 033003.	3.7	16
26	The size of the proton and the deuteron. Journal of Physics: Conference Series, 2011, 264, 012008.	0.4	14
27	LAAPD low temperature performance in X-ray and visible-light detection. IEEE Transactions on Nuclear Science, 2004, 51, 1575-1580.	2.0	13
28	Borexino's search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. Astroparticle Physics, 2017, 86, 11-17.	4.3	13
29	Radioactivity control strategy for the JUNO detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
30	Search for modulations of the solar Be^7 flux in the next-generation neutrino observatory LENA. Physical Review D, 2011, 83, .	4.7	11
31	KAONIC HYDROGEN MEASUREMENT WITH DEAR AT DAÏ NE. International Journal of Modern Physics A, 2005, 20, 341-348.	1.5	10
32	The DEAR experiment's first results on kaonic hydrogen. Nuclear Physics A, 2005, 754, 369-374.	1.5	9
33	Lifetime and population of the $2S$ state in muonic hydrogen and deuterium. Physical Review A, 2013, 88, .	2.5	9
34	Borexino Results on Neutrinos from the Sun and Earth. Universe, 2021, 7, 231.	2.5	8
35	The Lamb shift in muonic hydrogen This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at École de Physique, les Houches, France, 30 May - 4 June, 2010.. Canadian Journal of Physics, 2011, 89, 37-45.		5
36	Laser spectroscopy of muonic hydrogen. Annalen Der Physik, 2013, 525, 647-651.	2.4	4

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37	Solar neutrino with Borexino: Results and perspectives. Physics of Particles and Nuclei, 2015, 46, 166-173.	0.7	4
38	Experimental data on solar neutrinos. European Physical Journal A, 2016, 52, 1.	2.5	2
39	Muonic hydrogen spectroscopy: the proton radius puzzle. Proceedings of SPIE, 2010, , .	0.8	0
40	Geoneutrinos: Theory and phenomenology. , 2013, , .		0
41	Low-energy neutrinos. Journal of Physics: Conference Series, 2016, 718, 022012.	0.4	0