

# Laura Elisa Marcucci

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8802173/publications.pdf>

Version: 2024-02-01

33  
papers

1,864  
citations

361413

20  
h-index

454955

30  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1700  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar fusion cross sections. II. The $\langle \sigma v \rangle$ chain and CNO cycles. Reviews of Modern Physics, 2011, 83, 195-245.	45.6	574
2	Parameter-free effective field theory calculation for the solar proton-fusion and hep processes. Physical Review C, 2003, 67, .	2.9	166
3	Electromagnetic structure of A=2 and 3 nuclei and the nuclear current operator. Physical Review C, 2005, 72, .	2.9	135
4	The baryon density of the Universe from an improved rate of deuterium burning. Nature, 2020, 587, 210-213.	27.8	101
5	Chiral Effective Field Theory Predictions for Muon Capture on Deuteron and $\langle \sigma v \rangle$ transitions in $^3\text{He}$ . Physical Review Letters. 2012. 108. 052502.	7.8	96
6	Electromagnetic structure of $A=2$ and 3 nuclei in chiral effective field theory. Physical Review C, 2013, 87, .	2.9	60
7	Implication of the Proton-Deuteron Radiative Capture for Big Bang Nucleosynthesis. Physical Review Letters, 2016, 116, 102501.	7.8	75
8	Inclusive neutrino scattering off the deuteron from threshold to GeV energies. Physical Review C, 2012, 86, .	2.9	63
9	Local chiral interactions, the tritium Gamow-Teller matrix element, and the three-nucleon contact term. Physical Review C, 2018, 98, .	2.9	60
10	Proton-Proton Weak Capture in Chiral Effective Field Theory. Physical Review Letters, 2013, 110, 192503.	7.8	55
11	Quantum Monte Carlo calculations of magnetic moments and $\langle \sigma v \rangle$ transitions in $A=3$ nuclei including meson-exchange currents. Physical Review C, 2008, 78, .	2.9	52
12	Variational Calculation on A = 3 and 4 Nuclei with Non-Local Potentials. Few-Body Systems, 2006, 39, 159-176.	1.5	49
13	$n\bar{n}$ elastic scattering using the hyperspherical harmonics approach with realistic local and nonlocal interactions. Physical Review C, 2009, 80, .	2.9	46
14	Muon capture on deuteron and $\langle \sigma v \rangle$ transitions in $^3\text{He}$ . Physical Review C, 2011, 83, .	2.9	42
15	A high-efficiency gas target setup for underground experiments, and redetermination of the branching ratio of the 189.5 keV $^{22}\text{Ne}(p, \gamma)^{23}\text{Na}$ resonance. European Physical Journal A, 2018, 54, 1.	2.5	39
16	Chiral effective field theory analysis of hadronic parity violation in few-nucleon systems. Physical Review C, 2014, 89, .	2.9	33
17	Local chiral interactions and magnetic structure of few-nucleon systems. Physical Review C, 2019, 99, .	2.9	31
18	Neutron spin rotation in $n\bar{n}$ scattering. Physical Review C, 2008, 78, .	2.9	27

#	ARTICLE	IF	CITATIONS
19	Theoretical study of $^3\text{He}(\hat{1}/4\hat{\pi}, \hat{1}/2\hat{1}/4)^3\text{H}$ capture. <i>Physical Review C</i> , 2002, 66, .	2.9	24
20	Setup commissioning for an improved measurement of the $D(p, \gamma)^3\text{He}$ cross section at Big Bang Nucleosynthesis energies. <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	22
21	Neutron-Triton Elastic Scattering. <i>Few-Body Systems</i> , 2009, 45, 119-121.	1.5	17
22	astrophysical		17
23	Two- and three-nucleon contact interactions and ground-state energies of light- and medium-mass nuclei. <i>Physical Review C</i> , 2021, 103.	2.9	15
24	Measurement of Double-Polarization Asymmetries in the Quasielastic		