Laura Elisa Marcucci

List of Publications by Year
in descending order

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	Two- and three-nucleon contact interactions and ground-state energies of light- and medium-mass nuclei. Physical Review C, 2021, 103, .	2.9	15
2	Comparative study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts><mml:mo>Â</mml:mo><mml:mi>Î²</mml:mi></mml:math> -decay based on different similarity-renormalization-group evolved chiral interactions. Physical Review C, 2021, 104, .	2.9	5
3	The baryon density of the Universe from an improved rate of deuterium burning. Nature, 2020, 587, 210-213.	27.8	101
4	Setup commissioning for an improved measurement of the D(p,$$gamma $$)^{3}He cross section at Big Bang Nucleosynthesis energies. European Physical Journal A, 2020, 56, 1.	2.5	22
5	Local chiral interactions and magnetic structure of few-nucleon systems. Physical Review C, 2019, 99, .	2.9	31
6	A high-efficiency gas target setup for underground experiments, and redetermination of the branching ratio of the 189.5 keV 22Ne(p, $gamma$ Î³)23Na resonance. European Physical Journal A, 2018, 54, 1.	2.5	39
7	Local chiral interactions, the tritium Gamow-Teller matrix element, and the three-nucleon contact term. Physical Review C, 2018, 98, .	2.9	60
8	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>+</mml:mo><mml:mi>d</mml:mi /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mi>Î³</mml:mi></mml:mrow></mml:math> astrophysical <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>S</mml:mi></mml:math> factor and its	2.9	17
9	Implication of the Proton-Deuteron Radiative Capture for Big Bang Nucleosynthesis. Physical Review Letters, 2016, 116, 102501.	7.8	75
10	Measurement of Double-Polarization Asymmetries in the Quasielastic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="true">â†’</mml:mo></mml:mrow></mml:mover></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo		

#	Article	IF	Citations
19	Muon Capture on Light Nuclei. Few-Body Systems, 2011, 49, 35-39.	1.5	5
20	Muon capture on deuteron and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">He</mml:mi><mml:mprescripts/><mml:none/><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2011, 83, .	2.9	42
21	Neutronâ€"Triton Elastic Scattering. Few-Body Systems, 2009, 45, 119-121.	1.5	17
22	Nâˆ'delastic scattering using the hyperspherical harmonics approach with realistic local and nonlocal interactions. Physical Review C, 2009, 80, .	2.9	46
23	Structure of A = 3 nuclear systems using realistic Hamiltonians. Few-Body Systems, 2008, 44, 207-209.	1.5	4
24	Nâ€"d Elastic Scattering at Low Energy with Realistic Interactions. AIP Conference Proceedings, 2008, , .	0.4	0
25	Neutron spin rotation innâ€ âˆ'dscattering. Physical Review C, 2008, 78, .	2.9	27
26	Quantum Monte Carlo calculations of magnetic moments and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>M</mml:mi><mml:mn>1</mml:mn></mml:mrow></mml:math>transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>A</mml:mi><mml:mo>â©½</mml:mo><mml:mn>7</mml:mn></mml:mrow></mml:math>nucl including meson-exchange currents. Physical Review C, 2008, 78, .	2.9	52
27	Variational Description of Bound States in Three- and Four-Nucleon Systems. Few-Body Systems, 2006, 38, 63-66.	1.5	1
28	Variational Calculation on A = 3 and 4 Nuclei with Non-Local Potentials. Few-Body Systems, 2006, 39, 159-176.	1.5	49
29	Electromagnetic structure of A=2 and 3 nuclei and the nuclear current operator. Physical Review C, 2005, 72, .	2.9	135
30	ELECTROMAGNETIC STRUCTURE OF FEW-BODY NUCLEAR SYSTEMS. , 2005, , .		0
31	Parameter-free effective field theory calculation for the solar proton-fusion and hep processes. Physical Review C, 2003, 67, .	2.9	166
32	Theoretical study of3He(Î¼âˆ',Î½Î¼)3Hcapture. Physical Review C, 2002, 66, .	2.9	24
33	ELECTRO-WEAK REACTIONS OF FEW-NUCLEON SYSTEMS. , 2001, , .		0