David Perez-Loureiro

List of Publications by Year
in descending order

58	578	623734	713466
papers	citations	14 h-index	21 g-index

59	59	59	639
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Proton-induced fission of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow /><mml:mn>181</mml:mn></mml:msup></mml:math>Ta at high excitation energies. Physical Review C, 2014, 89, .	2.9	37
2	Isotopic production cross sections of the residual nuclei in spallation reactions induced by 136Xe projectiles on proton at 500 Aâ€‰MeV. Nuclear Physics A, 2013, 899, 116-132.	1.5	31
3	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>T</mml:mi><mml:mi>z</mml:mi></mml:msub></mml:mrow></mml:math>=<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>2</mml:mn></mml:math>decays of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Isospin Mixing Reveals<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">P</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>30</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock	2.9	31
4		7.8	31
5	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>-delayed<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mtext>P</mml:mtext><mml:mprescripts	2.9	29
6	Production of neutron-rich nuclei in fragmentation reactions of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mmultiscripts><mml:mi mathvariant="normal">Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>132</mml:mn></mml:mmultiscripts></mml:math> projectiles at relativistic energies. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 703, 552-556.	4.1	28
7	Dissipative effects in spallation-induced fission of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none	2.9	28
8	Synthesis of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>127</mml:mn></mml:mrow></mml:math>isotones through (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (display="inlin	2.9	24
9	Test of Micro-Pattern Gaseous Detectors for active target time projection chambers in nuclear physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 735, 532-540.	1.6	21
10	One-neutron knockout from light neutron-rich nuclei at relativistic energies. Physical Review C, 2010, 82, .	2.9	20
11	Experimental study of fragmentation products in the reactions<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mn>112</mml:mn></mml:msup><mml:mtext>Sn</mml:mtext><mml:mo>+</mml:mo><mml:msup><mml:mrow /><mml:mn>112</mml:mn></mml:msup><mml:mtext>Sn</mml:mtext></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	19
12	Evaluation of CLYC-6 and CLYC-7 scintillators for detection of nuclear materials. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1012, 165622.	1.6	16
13	Revalidation of the isobaric multiplet mass equation for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mo>=</mml:mo><mml:mn>20</mml:mn> Physical Review C, 2015, 92, .	2.9	15
14	Isotopic production cross sections of residual nuclei in the spallation reaction<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>136</mml:mn></mml:mmultiscripts><mml:mspace width="3pt" /><mml:mo>(</mml:mo><mml:mrow><mml:mn>200</mml:mn><mml:mi>A</mml:mi></mml:mrow><mml:mspace) Tj ETQq0 0 0 rgBT /	2.9	14
15	/><mml:mo>+</mml:mo><mml:mspace width="3pt" /><mml:mi>p</mml:mi></mml. Physical Review C, 2017, Structure ofN22and theN=14subshell. Physical Review C, 2011, 83, .	2.9	13
16	Gamma-ray measurements in the one-neutron knockout of 17C, 19N, 21O and 25F. European Physical Journal A, 2012, 48, 1.	2.5	13
17	Observation of Doppler broadening inÎ²-delayed proton-Î³decay. Physical Review C, 2015, 92, .	2.9	13
18	Knockout and fragmentation reactions using a broad range of tin isotopes. Physical Review C, 2017, 96, .	2.9	12

#	Article	IF	Citations
19	Study of spectroscopic factors at N= 29 using isobaric analogue resonances in inverse kinematics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 155-160.	4.1	12
20	Detailed study of the decay <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Cl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>31</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>Î²</mml:mi><mml:mi>Î³</mml:mi><mml:mo>)</mml:mo><mml:mmultiscripts><mml:mi mathvariant="normal">S</mml:mi><mml:mprescripts /><mml:none /><mml:mn>31</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review C, 2018, 97, .	2.9	12
21	Discovery of34g,mCl(p,Î³)35Aresonances activated at classical nova temperatures. Physical Review C, 2015, 91, .	2.9	10
22	Isobaric multiplet mass equation in theA=31,T=3/2quartets. Physical Review C, 2016, 93, .	2.9	10
23	Conceptual design of a large area time-of-flight wall for the R3B experiment at FAIR. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 186-189.	0.4	9
24	New portal to the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="bold">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>15</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mmultiscripts><mml:mi mathvariant="bold">Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mn>19</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> resonance triggering CNO-cy	2.9	9
25	Neutron-rich fragments produced by in-flight fission of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mn>238</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 99, .	2.9	9
26	Systematic reduction of the proton-removal cross section in neutron-rich medium-mass nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135962.	4.1	9
27	Low energy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Al</mml:mi><mml:mprescripts /><mml:none /><mml:mn>23</mml:mn></mml:mmultiscripts><mml:mspace width="0.28em" /><mml:mi>Î²</mml:mi></mml:mrow></mml:math> -delayed proton decay and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Na</mml:mi><mml:mprescripts /><mml:none /><mml:mn>22</mml:mn></mml:mmultiscripts></mml:math> destruction in novae. Physics	2.9	9
28	Study of Î” excitations in medium-mass nuclei with peripheral heavy ion charge-exchange reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135565.	4.1	9
29	Upgrade of the SPIRAL identification station for high-precision measurements of nuclear Î² decay. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 741, 18-25.	1.6	8
30	GADGET: a Gaseous Detector with Germanium Tagging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 940, 93-102.	1.6	8
31	Doppler broadening in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>20</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>Î²</mml:mi><mml:mi>p</mml:mi><mml:mi>Î³</mml:mi><mml:mmultiscripts><mml:mi /><mml:mprescripts /><mml:none /><mml:mn>19</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> decay. Physical Review C, 2019, 99, .	2.9	7
32	Conceptual design and first results for a neutron detector with interaction localization capabilities. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 946, 162528.	1.6	7
33	First Penning trap mass measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ca</mml:mi><mml:mprescripts /><mml:none /><mml:mn>36</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2021, 103, .	2.9	7
34	Design of iToF: A ToF-wall detector to identify relativistic ions in R3B-FAIR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S137-S140.	1.6	6
35	Î²-delayed Î³ decay of 20Mg and the Ne19(p,Î³)20Na breakout reaction in Type I X-ray bursts. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 397-402.	4.1	6
36	12C+p resonant elastic scattering in the Maya active target. European Physical Journal A, 2015, 51, 1.	2.5	5

#	Article	IF	Citations
37	One-neutron knockout from 24â€“28Ne isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 26-30.	4.1	4
38	Characterization of a CsI(Tl) array coupled to avalanche photodiodes for the Barrel of the CALIFA calorimeter at the NEPTUN tagged gamma beam facility. Journal of Instrumentation, 2013, 8, P10004-P10004.	1.2	4
39	A mask for high-intensity heavy-ion beams in the MAYA active target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 775, 135.	1.6	4
40	Constraining the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">P</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>30</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mrow><mml:mi>p</mml:mi></mml:mrow><mml:mo>,</mml:mo><mml:mtext>â€‰</mml:mtext><mml:mn>1827	7.8	4
41	Confirmation of the isomeric state in P26. Physical Review C, 2017, 96, .	2.9	3
42	Validation of the energy-loss response of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e657" altimg="si86.gif"><mml:mi>Î±</mml:mi></mml:math> particles in iC4H10 with ACTARSim. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 125-132.	1.6	3
43	Energy dependence of238U fission yields investigated in inverse kinematics. EPJ Web of Conferences, 2010, 2, 07003.	0.3	2
44	Investigating the intra-nuclear cascade process using the reaction136Xe on deuterium at 500â€‰AMeV. EPJ Web of Conferences, 2010, 8, 07012.	0.3	2
45	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Si</mml:mi><mml:mprescripts /><mml:none /><mml:mn>25</mml:mn></mml:mmultiscripts><mml:mspace width="4pt" /><mml:msup><mml:mi>Î²</mml:mi><mml:mo>+</mml:mo></mml:msup></mml:math> -decay spectroscopy. Physical Review C, 2021, 103, .	2.9	2
46	Toward complete spectroscopy using Î² decay: The example of Cl32(Î²Î³)S32. Physical Review C, 2018, 98, .	2.9	1
47	Measuring the ¹⁵O(Î±, Î³)¹⁹Ne reaction in Type I X-ray bursts using the GADGET II TPC: Hardware. EPJ Web of Conferences, 2022, 260, 11046.	0.3	1
48	Measuring the ¹⁵O(Î±,Î³)¹⁹Ne Reaction in Type I X-ray Bursts using the GADGET II TPC: Software. EPJ Web of Conferences, 2022, 260, 11034.	0.3	1
49	Exploring Nuclear Radii from Total Interaction Cross Sections of Medium Mass Nuclei. , 2009, , .		0
50	Investigating the radial distributions of medium-mass nuclei. Nuclear Physics A, 2010, 834, 467c-469c.	1.5	0
51	One-neutron knockout of n-rich Ne isotopes at relativistic energies. Nuclear Physics A, 2010, 834, 485c-487c.	1.5	0
52	Investigating the fission process at high excitation energies through proton induced reactions on181Ta. EPJ Web of Conferences, 2010, 8, 07011.	0.3	0
53	Publisherâ€™s Note: One-neutron knockout from light neutron-rich nuclei at relativistic energies [Phys. Rev. C82, 024305 (2010)]. Physical Review C, 2010, 82, .	2.9	0
54	Transient effects in highly-excited fissioning systems. Journal of Physics: Conference Series, 2014, 569, 012075.	0.4	0

#	Article	IF	Citations
55	Simulation of a low-background proton detector for studying low-energy resonances relevant in thermonuclear reactions. , 2014, , .		0
56	Excitation of baryonic resonances in stable medium-mass nuclei of Sn. Journal of Physics: Conference Series, 2020, 1667, 012036.	0.4	0
57	Total Fission Cross Sections in Reactions p+181Ta Investigated in Inverse Kinematics at Relativistic Energies. Journal of the Korean Physical Society, 2011, 59, 1852-1855.	0.7	0
58	Isobaric charge-exchange reactions: a tool to study the excitation of baryonic resonances in exotic nuclear matter. Journal of Physics: Conference Series, 2020, 1643, 012104.	0.4	0