MarÃ-a Dolores JordÃ¡n

List of Publications by Year
in descending order

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35	627	687363	580821
papers	citations	13	25
		h-index	g-index

35	35	35	553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New Antineutrino Energy Spectra Predictions from the Summation of Beta Decay Branches of the Fission Products. Physical Review Letters, 2012, 109, 202504.	7.8	112
2	Reactor Decay Heat in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>239</mml:mn></mml:mmultiscripts></mml:math>: Solving the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>Discrepancy in the 4â€“3000-s Cooling Period. Physical Review Letters, 2010, 105, 202501.	7.8	107
3	Shapes of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Rb</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>92</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>Decay: A Major Contributor to Reactor Antineutrino Spectrum Shape. Physical Review Letters, 2015, 115.	7.8	68
4	Characterization of a neutronâ€“beta counting system with beta-delayed neutron emitters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 807, 69-78.	1.6	38
5	Enhanced<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-Ray Emission from Neutron Unbound States Populated in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>Decay. Physical Review Letters, 2015, 115, 062502.	7.8	37
6	Total absorption study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>102</mml:mn><mml:mo>,</mml:mo><mml:mn>104</mml:mn><mml:mo>,</mml:mo><mml:mn>105</mml:mn> Physical Review C, 2013, 87.	2.9	36
7	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -ray spectroscopy of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -delayed neutron emitters <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Br</mml:mi><mml:mprescripts	2.9	35
8	Measurement of the neutron background at the Canfranc Underground Laboratory LSC. Astroparticle Physics, 2013, 42, 1-6.	4.3	31
9	Monte Carlo simulation of the n_TOF Total Absorption Calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 671, 108-117.	1.6	21
10	First experiment with the NUSTAR/FAIR Decay Total Absorption <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.gif" overflow="scroll"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>-Ray Spectrometer (DTAS) at the IGISOL IV facility. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 334-337.	1.4	21
11	The sensitivity of LaBr3:Ce scintillation detectors to low energy neutrons: Measurement and Monte Carlo simulation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 774, 17-24.	1.6	20
12	New Beta-delayed Neutron Measurements in the Light-mass Fission Group. Nuclear Data Sheets, 2014, 120, 74-77.	2.2	15
13	Shapes 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 /><mml:mrow><mml:mn>192</mml:mn><mml:mo>,</mml:mo><mml:mn>190</mml:mn></mml:mrow></mml:mmultiscripts></mml:m states from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>-decay studies	2.0	14
14	MONSTER: a TOF Spectrometer for Î²-delayed Neutron Spectroscopy. Nuclear Data Sheets, 2014, 120, 78-80.	2.2	10
15	Gamowâ€“Teller transitions in exotic pf-shell nuclei relevant to supernova explosion. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014041.	3.6	9
16	Total Absorption Study of Beta Decays Relevant for Nuclear Applications and Nuclear Structure. Nuclear Data Sheets, 2014, 120, 12-15.	2.2	9
17	An event generator for simulations of complex Î²-decay experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 828, 52-57.	1.6	6
18	Beta Decay Studies of Neutron Rich Nuclei Using Total Absorption Gamma-ray Spectroscopy and Delayed Neutron Measurements. Journal of the Korean Physical Society, 2011, 59, 1499-1502.	0.7	6

#	Article	IF	Citations
19	Decay heat studies for nuclear energy. Hyperfine Interactions, 2014, 223, 245-252.	0.5	5
20	Contribution of Recently Measured Nuclear Data to Reactor Antineutrino Energy Spectra Predictions. Nuclear Data Sheets, 2014, 120, 149-152.	2.2	5
21	Study of the $eta $ Decay of Fission Products with the DTAS Detector. Acta Physica Polonica B, 2017, 48, 529.	0.8	5
22	Impact of TAGS Measurement on FP Decay Data and Decay Heat Calculations. Journal of the Korean Physical Society, 2011, 59, 1543-1546.	0.7	4
23	Gamma/neutron competition above the neutron separation energy in delayed neutron emitters. EPJ Web of Conferences, 2014, 66, 02002.	0.3	3
24	Results of fission productsÎ²decay properties measurement performed with a total absorption spectrometer. EPJ Web of Conferences, 2014, 66, 10019.	0.3	2
25	Characterization of a cylindrical plastic Î²-detector with Monte Carlo simulations of optical photons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 854, 134-138.	1.6	2
26	A triggerless digital data acquisition system for nuclear decay experiments. , 2013, , .		2
27	Improvements on Decay Heat Summation Calculations by Means of Total Absorption Gamma-ray Spectroscopy Measurements. Journal of the Korean Physical Society, 2011, 59, 1479-1482.	0.7	2
28	Measurement of very low (Î±,n) cross sections of astrophysical interest. Journal of Physics: Conference Series, 2016, 665, 012031.	0.4	1
29	Total Absorption Spectroscopy of Fission Fragments Relevant for Reactor Antineutrino Spectra Determination. Acta Physica Polonica B, 2016, 47, 755.	0.8	1
30	TAS measurements for reactor physics and nuclear structure. , 2011, , .		0
31	Measurement of fission productsÎ²decay properties using a total absorption spectrometer. EPJ Web of Conferences, 2013, 62, 01007.	0.3	0
32	Total absorption Î³-ray spectroscopy of beta delayed neutron emitters. , 2013, , .		0
33	Contribution of recently measured nuclear data to reactor antineutrino energy spectra predictions. EPJ Web of Conferences, 2013, 62, 07007.	0.3	0
34	Total Absorption Spectroscopy of Fission Fragments Relevant for Reactor Antineutrino Spectra and Decay Heat Calculations. EPJ Web of Conferences, 2016, 111, 08006.	0.3	0
35	Î²-decay data requirements for reactor decay heat calculations: study of the possible source of the gamma-ray discrepancy in reactor heat summation calculations. , 2007, , .		0