Fabiana Gramegna

List of Publications by Year
in descending order

251 papers	3,924 citations	126907 33 h-index	189892 50 g-index
254 all docs	254 docs citations	254 times ranked	2074 citing authors

#	Article	IF	Citations
1	Enhanced Î± Î±-particle production from fusion evaporation reactions leading to ⁴⁶Ti. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 045101.	3.6	6
2	Gamma-ray shielding properties of heavyweight concrete with Electric Arc Furnace slag as aggregate: An experimental and numerical study. Construction and Building Materials, 2019, 200, 188-197.	7.2	65
3	Experimental study of precisely selected evaporation chains in the decay of excited <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>25</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2018, 97, .	2.9	11
4	OSCAR: A new modular device for the identification and correlation of low energy particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 227-237.	1.6	32
5	A STUDY ON 4 REACTIONS FORMING46Ti*. Journal of Physics: Conference Series, 2018, 966, 012062.	0.4	1
6	Measurement and analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Am</mml:mi><mml:mprescripts /><mml:none /><mml:mn>241</mml:mn></mml:mmultiscripts></mml:math>neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2018, 97, .	2.9	9
7	Spes: An intense source of Neutron-Rich Radioactive Beams at Legnaro. Journal of Physics: Conference Series, 2018, 966, 012028.	0.4	20
8	Isotopic identification using Pulse Shape Analysis of current signals from silicon detectors: Recent results from the FAZIA collaboration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 860, 42-50.	1.6	29
9	Isospin diffusion in binary collisions of S32+Ca40,48 and S32+Ti48 at 17.7ÂMeV/nucleon. Physical Review C, 2017, 96, .	2.9	10
10	Pre-equilibrium emission and clustering in medium-mass nuclei:⁴⁶Ti from¹⁶O +³⁰Si,¹⁸O +²⁸Si,¹⁹F +²⁷Al. Journal of Physics: Conference Series, 2017, 863, 012057.	0.4	1
11	Dissemination of data measured at the CERN n_TOF facility. EPJ Web of Conferences, 2017, 146, 07002.	0.3	3
12	Clustering effects in fusion evaporation reactions with light even-even N=Z nuclei. Journal of Physics: Conference Series, 2017, 863, 012022.	0.4	2
13	Measurement of the 241Am neutron capture cross section at the n_TOF facility at CERN. EPJ Web of Conferences, 2017, 146, 11022.	0.3	1
14	Clustering in light nuclei and their effects on fusion and pre â€“ equilibrium processes.. EPJ Web of Conferences, 2017, 163, 00020.	0.3	2
15	Fission of Highly Excited ^{88}Mo Compound Nucleus. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 35.	0.1	0
16	Constraining Hot Sources in Central Heavy-ion Collisions Below 20 MeV/u. Acta Physica Polonica B, 2017, 48, 635.	0.8	1
17	Clustering effects in fusion evaporation reactions with light even-even N=Z nuclei. The24Mg and28Si cases. EPJ Web of Conferences, 2016, 122, 11002.	0.3	1
18	Front-end electronics for the FAZIA experiment. Journal of Instrumentation, 2016, 11, C01064-C01064.	1.2	8

#	Article	IF	Citations
19	FAZIA applications. EPJ Web of Conferences, 2016, 117, 10005.	0.3	0
20	Towards the high-accuracy determination of the238U fission cross section at the threshold region at CERN â€“ n_TOF. EPJ Web of Conferences, 2016, 111, 02002.	0.3	2
21	High accuracy235U(n,f) data in the resonance energy region. EPJ Web of Conferences, 2016, 111, 02003.	0.3	7
22	Fast neutron measurements with 7Li and 6Li enriched CLYC scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 825, 51-61.	1.6	32
23	Evaporation residue shape and neutron spectrum of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>n</mml:mi><mml:mmultiscripts><mml:mi /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>reaction near threshold. Physical Review C, 2016, 94, .	2.9	7
24	Charged particle decay of hot and rotatingMo88nuclei in fusion-evaporation reactions. Physical Review C, 2016, 93, .	2.9	6
25	Neutron-induced fission cross section of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Np</mml:mi><mml:mprescripts /><mml:none /><mml:mn>237</mml:mn></mml:mmultiscripts></mml:math>in the keV to MeV range at the CERN n_TOF facility. Physical Review C, 2016, 93, .	2.9	11
26	Mass, total kinetic energy, and neutron multiplicity correlations in the binary fragmentation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mtext>Ti</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>50</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mspace width="0.16em" /><mml:mmultiscripts><mml:mtext>Pb</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>208</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> at 294ÂMeV bombarding ener	2.9	9
27	The SPES radioactive ion beam project of LNL: status and perspectives. EPJ Web of Conferences, 2016, 107, 01001.	0.3	6
28	Status of the SPES project, a new tool for fundamental and apply science studies with exotic ion beams at LNL. AIP Conference Proceedings, 2016, , .	0.4	0
29	6LiF oleic acid capped nanoparticles entrapment in siloxanes for thermal neutron detection. AIP Conference Proceedings, 2016, , .	0.4	1
30	Pulse Shape Discrimination in Polysiloxane-Based Liquid Scintillator. IEEE Transactions on Nuclear Science, 2016, , 1-8.	2.0	1
31	Progress in the design and construction of SPES at INFN-LNL. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 402-407.	1.4	15
32	The12C* Hoyle state in the inelastic12C +12C reaction and in24Mg* decay. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 045110.	3.6	16
33	Giant dipole resonance built on hot rotating nuclei produced during evaporation of light particles from theMo88compound nucleus. Physical Review C, 2015, 91, .	2.9	15
34	Isospin transport and reaction mechanism in nuclear reactions in the range 20â€“40 MeV/n. AIP Conference Proceedings, 2015, , .	0.4	0
35	Thermal neutron detection by entrapping⁶LiF nanocrystals in siloxane scintillators. Journal of Physics: Conference Series, 2015, 620, 012010.	0.4	8
36	Pre-equilibrium emission and its possible relation toÎ±-clustering in nuclei. EPJ Web of Conferences, 2015, 88, 00016.	0.3	1

#	Article	IF	Citations
37	Clustering effects in fusion evaporation reactions with light even-even N = Z nuclei. The 24Mg and 28Si cases. AIP Conference Proceedings, 2015, , .	0.4	0
38	The SPES Radioactive Ion Beam facility of INFN. Journal of Physics: Conference Series, 2015, 580, 012014.	0.4	3
39	Nuclear Structure Studies with Stable and Radioactive Beams: The SPES radioactive ion beam project. Journal of Physics: Conference Series, 2015, 590, 012010.	0.4	1
40	Pre-equilibrium Emission and Î±-clustering in Nuclei. Journal of Physics: Conference Series, 2015, 580, 012011.	0.4	2
41	Isospin transport phenomena and odd-even staggering in84Kr+112,124Sn collisions at 35 AMeV. EPJ Web of Conferences, 2015, 88, 00029.	0.3	0
42	Extracting information from partially depleted Si detectors with digital sampling electronics. EPJ Web of Conferences, 2015, 88, 01013.	0.3	0
43	Cluster correlation effects in12C+12C and14N+10B fusion-evaporation reactions. EPJ Web of Conferences, 2015, 88, 00026.	0.3	0
44	The SPES project of INFN: Facility and detectors. EPJ Web of Conferences, 2015, 88, 00011.	0.3	1
45	Non-toxic liquid scintillators with high light output based on phenyl-substituted siloxanes. Optical Materials, 2015, 42, 111-117.	3.6	16
46	From Light to Heavy Nuclear Systems, Production and Decay of Fragments Studied with Powerful Arrays. Acta Physica Polonica A, 2015, 127, 1548-1551.	0.5	0
47	High-accuracy determination of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>238</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>/</mml:mo><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>235</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>fission	2.9	24
48	Pre-equilibrium Particles Emission and Its Possible Relation to $alpha $-clustering in Nuclei. Acta Physica Polonica B, 2015, 46, 447.	0.8	3
49	Low-temperature technique of thin silicon ion implanted epitaxial detectors. European Physical Journal A, 2015, 51, 1.	2.5	6
50	Thermal Neutron Detection by Entrapping 6LiF Nanodiamonds in Siloxane Scintillators. Springer Proceedings in Physics, 2015, , 161-167.	0.2	0
51	Probing the Statistical Decay andÎ±-clustering effects in12C +12C and14N +10B reactions. EPJ Web of Conferences, 2014, 66, 03064.	0.3	2
52	Isospin transport in84Kr+112,124Sn reactions at Fermi energies. EPJ Web of Conferences, 2014, 66, 03070.	0.3	0
53	The SPES project at the INFN- Laboratori Nazionali di Legnaro. EPJ Web of Conferences, 2014, 66, 11030.	0.3	24
54	Giant Dipole Resonance decay of hot rotating88Mo. EPJ Web of Conferences, 2014, 66, 02020.	0.3	1

#	Article	IF	Citations
55	Measurement of light charged particles in the decay channels of medium-mass excited compound nuclei. EPJ Web of Conferences, 2014, 66, 03090.	0.3	2
56	The european FAZIA initiative: a high-performance digital telescope array for heavy-ion studies. EPJ Web of Conferences, 2014, 66, 11006.	0.3	0
57	Exploring reaction mechanisms and their competition in58Ni+48Ca collisions at E = 25 AMeV. EPJ Web of Conferences, 2014, 66, 03029.	0.3	0
58	Measurement of the25Mg(Î±,n)28Si reaction cross section at LNL. EPJ Web of Conferences, 2014, 66, 07002.	0.3	0
59	Evolution of collectivity in the78Ni region: Coulomb excitation of74Ni at intermediate energies.. EPJ Web of Conferences, 2014, 66, 02066.	0.3	2
60	Thermal properties of light nuclei from12C +12C fusionâ€“evaporation reactions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 075107.	3.6	19
61	Non-statistical decay and Î±-correlations in the12C+12C fusionâ€“evaporation reaction at 95 MeV. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 075108.	3.6	18
62	Isospin Transport in ^{84}Kr + ^{112,124}Sn Collisions at Fermi Energies with the FAZIA Detector. Acta Physica Polonica B, 2014, 45, 425.	0.8	0
63	SPES: the INFN Exotic Beam ISOL Facility at the LNL and Its First Day Scientific Program. Acta Physica Polonica B, 2014, 45, 491.	0.8	0
64	Macroscale and mesoscale analysis of concrete as a multiphase material for biological shields against nuclear radiation. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 518-535.	3.3	27
65	Novel 3D silicon sensors for neutron detection. Journal of Instrumentation, 2014, 9, C05001-C05001.	1.2	11
66	Design of a neutrino source based on beta beams. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	7
67	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>62</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ni</mml:mi><mml:mprescripts /><mml:none	2.9	31
68	Measurement of dynamical dipoleÎ³-ray emission in theN/Z-asymmetric fusion reactionO16+Sn116at 12 MeV/nucleon. Physical Review C, 2014, 90, .	2.9	13
69	Quadrupole Transition Strength in theNi74Nucleus and Core Polarization Effects in the Neutron-Rich Ni Isotopes. Physical Review Letters, 2014, 113, 182501.	7.8	15
70	A new study of 25Mg $(alpha, n)$ 28Si angular distributions at $E_{alpha} =3-5$ MeV. European Physical Journal A, 2014, 50, 1.	2.5	6
71	The FAZIA project in Europe: R&D phase. European Physical Journal A, 2014, 50, 1.	2.5	63
72	Neutron-induced fission cross section ofU234measured at the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	14

#	Article	IF	Citations
73	Measurement and analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Am</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>243</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, .	2.9	26
74	Energy measurement and fragment identification using digital signals from partially depleted Si detectors. European Physical Journal A, 2014, 50, 1.	2.5	13
75	Red Emitting Phenyl-Polysiloxane Based Scintillators for Neutron Detection. IEEE Transactions on Nuclear Science, 2014, 61, 2052-2058.	2.0	15
76	Dynamical Dipole and Equation of State in N/Z Asymmetric Fusion Reactions. EPJ Web of Conferences, 2014, 66, 03033.	0.3	0
77	Angular Distribution and Cross Section Measurement of the⁶Li(³He,n)⁸B Reaction at 5.8 MeV. EPJ Web of Conferences, 2014, 66, 03048.	0.3	3
78	ALPI Setup as the SPES Accelerator of Exotic Beams. EPJ Web of Conferences, 2014, 66, 11003.	0.3	1
79	Pre-equilibrium Î±-particle emission as a probe to study Î±-clustering in nuclei. EPJ Web of Conferences, 2014, 66, 03028.	0.3	4
80	The SPES radioactive ion beam project of INFN. Journal of Physics: Conference Series, 2014, 527, 012029.	0.4	2
81	Novel Scintillating Materials Based on Phenyl-Polysiloxane for Neutron Detection and Monitoring. Springer Proceedings in Physics, 2014, , 151-157.	0.2	1
82	Measurement of the neutron-induced fission cross-section of 241Am at the time-of-flight facility n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	9
83	Hybrid detectors for neutrons combining phenyl-polysiloxanes with 3D silicon detectors. , 2013, , .		3
84	Red emitting phenyl-polysiloxane based scintillators for neutron detection. , 2013, , .		0
85	Characterization of polysiloxane organic scintillators produced with different phenyl containing blends. Materials Chemistry and Physics, 2013, 137, 951-958.	4.0	33
86	Effects of irradiation of energetic heavy ions on digital pulse shape analysis with silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 707, 89-98.	1.6	13
87	Experimental study of pulse shape discrimination and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0021.gif" overflow="scroll"><mml:mi mathvariant="normal">Î”</mml:mi><mml:mi>E</mml:mi><mml:mo>â¨¯</mml:mo><mml:mi>E</mml:mi></mml:math> methods between front and rear side injection in silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 701, 145-152.	1.6	39
88	GARFIELD + RCo digital upgrade: A modern set-up for mass and charge identification of heavy-ion reaction products. European Physical Journal A, 2013, 49, 1.	2.5	40
89	High intensity neutrino oscillation facilities in Europe. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	25
90	Isospin transport in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>84</mml:mn></mml:msup></mml:math>Kr+<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>112</mml:mn><mml:mo>,</mml:mo><mml:mn>124</mml:mn></mml:mrow></mml:msup></mml:math>Sn collisions at Fermi energies. Physical Review C, 2013, 87, .	2.9	36

#	Article	IF	Citations
91	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>93</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (xmlns:mml reaction up to 8 keV neutron energy. Physical Review C, 2013, 87, .	2.9	39
92	Hybrid detectors of neutrons based on 3D silicon sensors with PolySiloxane converter. , 2013, , .		3
93	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-clustering effects in dissipative<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>12</mml:mn></mml:msup></mml:math>C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:math><mml:math xmlns:mml="	2.9	17
94	NandZodd-even staggering in Kr+Sn collisions at Fermi energies. Physical Review C, 2013, 88, .	2.9	18
95	Competition between fusion-evaporation and multifragmentation in central collisions in58Ni +48Ca reaction at 25 AMeV. Journal of Physics: Conference Series, 2013, 420, 012084.	0.4	2
96	Probing core polarization around78Ni: intermediate energy Coulomb excitation of74Ni. EPJ Web of Conferences, 2013, 63, 01021.	0.3	1
97	SPES: The INFN radioactive beam facility for nuclear physics. , 2012, , .		5
98	X-Ray Fluorescence from the Element with Atomic Number<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Z</mml:mi><mml:mo>=</mml:mo><mml:mn>120</mml:mn></mml:math>. Physical Review Letters, 2012, 108, 122701.	7.8	36
99	Measurement of resolved resonances of232Th(n,Î³) at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	2.9	23
100	Publisher's Note: Measurement of resolved resonances of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>232</mml:mn></mml:msup></mml:math>Th(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (xmlns:mml="http:	2.9	3
101	Measurement and resonance analysis of the237Np neutron capture cross section. Physical Review C, 2012, 85, .	2.9	26
102	Neutron-induced fission cross section of245Cm: New results from data taken at the time-of-flight facility n_TOF. Physical Review C, 2012, 85, .	2.9	13
103	Isospin mixing at finite temperature in80Zr. Journal of Physics: Conference Series, 2012, 381, 012045.	0.4	0
104	Measurements of Dynamical Dipole in isospin asymmetric fusion reactions. Journal of Physics: Conference Series, 2012, 366, 012018.	0.4	0
105	Neutron-induced fission cross section measurement of²³³U,²⁴¹Am and²⁴³Am in the energy range 0.5 MeV â©½<i>E</i>_{<i>n</i>}â©½ 20 MeV at n_TOF at CERN. Physica Scripta, 2012, T150, 014005.	2.5	2
106	A single-chip telescope for heavy-ion identification. European Physical Journal A, 2012, 48, 1.	2.5	6
107	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	2.9	55
108	An interpretation of staggering effects by correlation observables. EPJ Web of Conferences, 2012, 31, 00008.	0.3	0

#	Article	IF	Citations
109	Decay of excited medium-mass compound nuclei. EPJ Web of Conferences, 2012, 31, 00039.	0.3	0
110	Staggering in S+Ni collisions. EPJ Web of Conferences, 2012, 31, 00042.	0.3	0
111	Statistical (?) decay of light hot nuclei. EPJ Web of Conferences, 2012, 31, 00038.	0.3	0
112	Present status and future programs of the n_TOF experiment. EPJ Web of Conferences, 2012, 21, 03001.	0.3	2
113	Particle identification using the technique and pulse shape discrimination with the silicon detectors of the FAZIA project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 664, 251-263.	1.6	82
114	Towards an understanding of staggering effects in dissipative binary collisions. Nuclear Physics A, 2012, 875, 139-159.	1.5	21
115	Simultaneous measurement of neutron-induced capture and fission reactions at CERN. European Physical Journal A, 2012, 48, 1.	2.5	19
116	Doped polysiloxane scintillators for thermal neutrons detection. Journal of Non-Crystalline Solids, 2011, 357, 1921-1925.	3.1	36
117	Novel polysiloxane-based scintillators for neutron detection. Radiation Protection Dosimetry, 2011, 143, 471-476.	0.8	35
118	Future Perspectives of the Legnaro National Laboratories: The SPES project. Journal of Physics: Conference Series, 2011, 267, 012003.	0.4	4
119	Astrophysics at n_TOF Facility at CERN. Journal of Physics: Conference Series, 2011, 312, 042024.	0.4	0
120	Progresses in the pulse shape identification with silicon detectors within the FAZIA Collaboration. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 272-278.	1.6	45
121	Neutron measurements for advanced nuclear systems: The n_TOF project at CERN. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3251-3257.	1.4	10
122	Radiation damage evaluation on concrete within a facility for Selective Production of Exotic Species (SPES Project), Italy. Journal of Hazardous Materials, 2011, 194, 169-177.	12.4	26
123	Neutron-induced fission cross-section of 233U in the energy range 0.5 < En < 20 MeV. European Physical Journal A, 2011, 47, 1.	2.5	15
124	Measurement of the neutron-induced fission cross-section of 243Am relative to 235U from 0.5 to 20 MeV. European Physical Journal A, 2011, 47, 1.	2.5	11
125	Reaction mechanisms and staggering in collisions. Nuclear Physics A, 2011, 861, 47-66.	1.5	49
126	Radiation damage evaluation on concrete shielding for nuclear physics experiments. Annals of Solid and Structural Mechanics, 2011, 2, 123-142.	0.5	23

#	Article	IF	Citations
127	The [sup 237]Np(n,f) cross section at the CERN n-TOF facility. , 2011, , .		1
128	Measurement of isospin mixing at a finite temperature in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>80</mml:mn></mml:msup></mml:math>Zr via giant dipole resonance decay. Physical Review C, 2011, 84, .	2.9	28
129	display="inline"><mml:msup><mml:mrow /><mml:mn>96</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (xmlns:m	2.9	17
130	Neutron capture on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>94</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Resonance parameters and Maxwellian-averaged cross sections. Physical Review C, 2011, 84, .	2.9	24
131	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mi mathvariant="normal">nat</mml:mi></mml:mrow></mml:msup></mml:mrow></mml:math>Pb and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	36
132	Measurement of the236U(n,f) cross section from 170 meV to 2 MeV at the CERNn_TOFfacility. Physical Review C, 2011, 84, .	2.9	14
133	display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /O	2.9	68
134	PRE-EQUILIBRIUM ALPHA-PARTICLE EMISSION AS A PROBE TO EXPLORE ALPHA CLUSTERING IN NUCLEI. International Journal of Modern Physics E, 2011, 20, 1050-1053.	1.0	2
135	Title is missing!. Acta Physica Polonica B, 2011, 42, 639.	0.8	1
136	Title is missing!. Acta Physica Polonica B, 2011, 42, 619.	0.8	2
137	Title is missing!. Acta Physica Polonica B, 2011, 42, 633.	0.8	6
138	The Neutron Time-Of-Flight Facility nÌ±TOF At CERN: Phase II. , 2011, , .		1
139	Measurement of isospin mixing in [sup 80]Zr[sup âˆ—] at finite temperature. , 2011, , .		1
140	Study of Photon Strength Function of Actinides: the Case of 235U, 238Np and 241Pu. Journal of the Korean Physical Society, 2011, 59, 1510-1513.	0.7	9
141	Past, Present and Future of the n_TOF Facility at CERN. Journal of the Korean Physical Society, 2011, 59, 1620-1623.	0.7	4
142	Neutron Capture Measuremetns on Minor Actinides at the n_TOF Facility at CERN: Past, Present and Future. Journal of the Korean Physical Society, 2011, 59, 1809-1812.	0.7	2
143	Improved Neutron Capture Cross Section Measurements with the n_TOF Total Absorption Calorimeter. Journal of the Korean Physical Society, 2011, 59, 1813-1816.	0.7	3
144	237Np(n,f) Cross Section: New Data and Present Status. Journal of the Korean Physical Society, 2011, 59, 1908-1911.	0.7	2

#	Article	IF	Citations
145	Fission Cross-section Measurements of 233U, 245Cm and 241;243Am at CERN n_TOF Facility. Journal of the Korean Physical Society, 2011, 59, 1912-1915.	0.7	3
146	High-energy Neutron-induced Fission Cross Sections of Natural Lead and Bismuth-209. Journal of the Korean Physical Society, 2011, 59, 1904-1907.	0.7	0
147	The Role of Fe and Ni for S-Process Nucleosynthesis and Innovative Nuclear Technologies. Journal of the Korean Physical Society, 2011, 59, 2106-2109.	0.7	0
148	Characterization of the New n_TOF Neutron Beam: Fluence, Profile and Resolution. Journal of the Korean Physical Society, 2011, 59, 1624-1627.	0.7	0
149	Forthcoming (n, Î³) measurements on the Fe and Ni isotopes at CERN n_TOF. Journal of Physics: Conference Series, 2010, 202, 012026.	0.4	0
150	Light Particle Emission Mechanisms in Heavy-Ion Reactions at 5-20 MeV/u. EPJ Web of Conferences, 2010, 2, 10006.	0.3	8
151	Double-differential spectra of the secondary particles in the frame of pre-equilibrium model. Physics of Atomic Nuclei, 2010, 73, 1317-1321.	0.4	5
152	Automatic procedure for mass and charge identification of light isotopes detected in CsI(Tl) of the GARFIELD apparatus. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 305-313.	1.6	10
153	Radiation hardness of polysiloxane scintillators analyzed by ion beam induced luminescence. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 3155-3159.	1.4	24
154	Doping of polysiloxane rubbers for the production of organic scintillators. Optical Materials, 2010, 32, 1317-1320.	3.6	26
155	Neutron cross-sections for next generation reactors: New data from n_TOF. Applied Radiation and Isotopes, 2010, 68, 643-646.	1.5	7
156	Measurements of high-energy neutron-induced fission ofnatPb and209Bi. EPJ Web of Conferences, 2010, 8, 07009.	0.3	2
157	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Ov	2.9	55
158	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>92</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	33
159	PRE-EQUILIBRIUM EFFECTS IN THE SECONDARY PARTICLE SPECTRA IN THE REACTIONS WITH HEAVY IONS. International Journal of Modern Physics E, 2010, 19, 1134-1140.	1.0	15
160	Radioactive Ion Beams at INFN Laboratories. , 2010, , .		0
161	ASTROPHYSICS AT nÌ±TOF FACILITY. , 2010, , .		0
162	Study of Neutron-Induced Fission Cross Sections of U, Am, and Cm at nÌ±TOF. , 2010, , .		0

#	Article	IF	Citations
163	Fission-induced fission cross section of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>234</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Np</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>237</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	72
164	Optical and Scintillation Properties of Polydimethyl-Diphenylsiloxane Based Organic Scintillators. IEEE Transactions on Nuclear Science, 2010, 57, 891-900.	2.0	38
165	The SPES project: An ISOL facility for exotic beams. Journal of Physics: Conference Series, 2009, 168, 012022.	0.4	7
166	Influence of crystal-orientation effects on pulse-shape-based identification of heavy-ions stopped in silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 605, 353-358.	1.6	27
167	The n_TOF Total Absorption Calorimeter for neutron capture measurements at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 424-433.	1.6	80
168	Excitation of the dynamical dipole in the charge asymmetric reaction 16O+116Sn. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 197-202.	4.1	30
169	Radiation damage mechanisms in CsI(Tl) studied by ion beam induced luminescence. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2723-2728.	1.4	18
170	Signals of bimodality in the fragmentation of Au quasi-projectiles. Nuclear Physics A, 2008, 807, 48-60.	1.5	16
171	Calculations and first results obtained with a SiC prototype of the SPES direct target. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4289-4293.	1.4	17
172	The SPES multi-foil direct target. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4257-4260.	1.4	20
173	The SPES Direct Target Project at the Laboratori Nazionali di Legnaro. AIP Conference Proceedings, 2007, , .	0.4	0
174	Measurement of the radiative neutron capture cross section of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>206</mml:mn></mml:mrow></mml:mmultiscripts></mml:math> and its astrophysical implications. Physical Review C, 2007, 76, .	2.9	30
175	Isotope analysis in central heavy ion collisions at intermediate energies. European Physical Journal: Special Topics, 2007, 150, 21-22.	2.6	1
176	The SPES direct UCx target. European Physical Journal: Special Topics, 2007, 150, 273-274.	2.6	6
177	Release time calculations for the SPES direct UCx target. European Physical Journal: Special Topics, 2007, 150, 275-276.	2.6	0
178	Thermal treatments and characterizations of pellets for SPES direct target. European Physical Journal: Special Topics, 2007, 150, 281-282.	2.6	1
179	Neutron reactions and nuclear cosmo-chronology. Progress in Particle and Nuclear Physics, 2007, 59, 165-173.	14.4	7
180	Synthesis and characterization of lanthanum dicarbide-carbon targets for radioactive ion beams generation via the carbothermal reaction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 256-263.	1.6	13

#	Article	IF	Citations
181	Status and outlook of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 925-929.	1.4	35
182	The neutron capture cross sections of 237Np(n,Î³) and 240Pu(n,Î³) and its relevance in the transmutation of nuclear waste. , 2007, , .		5
183	Simultaneous measurement of the neutron capture and fission yields of 233U. , 2007, , .		5
184	Measurement of neutron induced fission of ²³⁵U, ²³³U and ²⁴⁵Cm with the FIC detector at the CERN n_TOF facility. , 2007, , .		4
185	Capture cross section measurements of 186,187,188Os at n_TOF: the resolved resonance region. , 2007, , .		5
186	The ²³⁴U neutron capture cross section measurement at the n_TOF facility. , 2007, , .		3
187	Isotopic Composition as a Signature for Different Processes Leading to Fragment Production in Midperipheral Ni+Al, Ni, Ag Collisions at 30 MeV/Nucleon. , 2007, , .		0
188	Neutron resonance spectroscopy at n_TOF at CERN. , 2007, , .		1
189	Measurement of the 90,91,92,93,94,96Zr(n,Î³) and 139La(n,Î³) cross sections at n_TOF. , 2007, , .		10
190	Improved lead and bismuth (n,Î³) cross sections and their astrophysical impact. , 2007, , .		6
191	Measurement of the ¹⁹⁷Au (n,Î³) cross section at n_TOF: towards a new standard. , 2007, , .		4
192	VPS-versatile power supply control system. IEEE Transactions on Nuclear Science, 2006, 53, 941-943.	2.0	1
193	The Ring Counter (RCo): A high resolution ICâ€“Siâ€“CsI(Tl) device for heavy ion reaction studies at 10â€“30MeV/A. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 556, 516-526.	1.6	16
194	A signal of spinodal decomposition around Fermi energy. Nuclear Physics A, 2005, 749, 98-101.	1.5	2
195	Measurement of the 151Sm(n,Î³)152Sm cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	1.5	7
196	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	1.5	7
197	Measurements of the 90,91,92,94,96Zr(n, Î³) cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	1.5	2
198	The data acquisition system of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 692-702.	1.6	84

#	Article	IF	Citations
199	NUCLEAR LIQUID-GAS PHASE TRANSITION: EXPERIMENTAL SIGNALS. Nuclear Physics A, 2005, 749, 55-64.	1.5	22
200	Size and asymmetry of the reaction entrance channel: Influence on the probability of neck production. Nuclear Physics A, 2005, 756, 39-53.	1.5	6
201	The Î³-decay of the GDR in highly excited Ce nuclei. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1973-S1977.	3.6	2
202	THERMODYNAMICAL ASPECTS IN HEAVY ION REACTIONS. , 2005, , .		0
203	Measurement of the n_TOF beam profile with a micromegas detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 524, 102-114.	1.6	54
204	Timeâ€“energy relation of the n_TOF neutron beam: energy standards revisited. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 532, 622-630.	1.6	34
205	Energetic particle emission and nuclear dynamics around the Fermi energy. Nuclear Physics A, 2004, 734, 601-604.	1.5	5
206	New experimental validation of the pulse height weighting technique for capture cross-section measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 521, 454-467.	1.6	101
207	Experimental signals of phase transition. Nuclear Physics A, 2004, 734, 512-519.	1.5	22
208	Critical-like behaviours in central and peripheral collisions: a comparative analysis. Nuclear Physics A, 2003, 724, 455-476.	1.5	25
209	NEW PERPSPECTIVES FOR STUDIES OF REACTION MECHANISMS AT LOW MEDIUM ENERGIES. , 2003, , .		0
210	On the reliability of negative heat capacity measurements. Nuclear Physics A, 2002, 699, 795-818.	1.5	75
211	Energetic Proton Emission in Heavy Ion Collisions at Intermediate Energy: Pre-Equilibrium and Cooperative Effects. Acta Physica Hungarica A Heavy Ion Physics, 2002, 16, 337-346.	0.4	1
212	Hard Gamma as Probe of Nuclear Dynamics. Acta Physica Hungarica A Heavy Ion Physics, 2002, 16, 387-396.	0.4	2
213	Contemporary presence of dynamical and statistical production of intermediate mass fragments in midperipheral 58Ni+58Ni collisions at 30ÂMeV/nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 509, 204-210.	4.1	23
214	Negative heat capacity in the critical region of nuclear fragmentation: an experimental evidence of the liquid-gas phase transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 473, 219-225.	4.1	221
215	Nuclear temperature measurements with the double isotope ratio technique: Influence of the experimental conditions. European Physical Journal A, 2000, 8, 355-360.	2.5	1
216	Nuclear temperature measurements with helium isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 431, 8-14.	4.1	32

#	Article	IF	Citations
217	Thermal source parameters in Au+Au central collisions at 35 A MeV. Nuclear Physics A, 1998, 633, 547-562.	1.5	36
218	Temperature measurement of fragment emitting systems in Au+Au 35 MeV/nucleon collisions. Physical Review C, 1998, 58, 953-963.	2.9	28
219	Examining the cooling of hot nuclei. Physical Review C, 1998, 57, R462-R465.	2.9	18
220	Caloric curve and conditional moments: Effects of secondary fragment decay. Physical Review C, 1998, 57, 831-836.	2.9	14
221	Sensitivity of two-fragment correlation functions to initial-state momentum correlations. Physical Review C, 1998, 58, 270-280.	2.9	15
222	Temperature Measurements for CentralAu+AuCollisions at35AMeV. Physical Review Letters, 1997, 78, 1648-1651.	7.8	45
223	A telescope with microstrip gas chambers for the detection of charged products in heavy-ion reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 389, 474-478.	1.6	46
224	Multifragment production in Au+Au at 35 MeV/u. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 368, 259-265.	4.1	33
225	Statistical multifragmentation in central Au + Au collisions at 35 MeV/u. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 371, 175-180.	4.1	115
226	Searching for the nuclear liquid-gas phase transition in Au+Au collisions at 35 MeV/nucleon. Physical Review C, 1996, 54, 2435-2444.	2.9	20
227	Reducibility and a new entropic term in multifragment charge distributions. Physical Review C, 1996, 53, R5-R8.	2.9	6
228	Circumstantial Evidence for Critical Behavior in PeripheralAu+AuCollisions at 35 MeV/nucleon. Physical Review Letters, 1996, 76, 2646-2649.	7.8	47
229	Giant dipole resonance inA ? 40 hot nuclei from coincidence measurements. Zeitschrift FÃ¼r Physik A, 1995, 352, 273-277.	0.9	2
230	Time scale and freeze-out volume in the Xe + Cu reaction at 45 MeV/u. Zeitschrift FÃ¼r Physik A, 1995, 353, 191-196.	0.9	1
231	Light-particle evaporation as a function of neutron excess for medium-mass compound nuclei with Ex â‰ˆ 2 MeV/u. Nuclear Physics A, 1995, 581, 373-396.	1.5	8
232	Multifragmentation inEA=35MeV Collisions: Evidence for a Coulomb Driven Breakup?. Physical Review Letters, 1995, 75, 4373-4376.	7.8	32
233	Angular and velocity analysis of the three-fold events in the Xe + Cu reaction at 45 MeV/u. Nuclear Physics A, 1994, 576, 138-156.	1.5	6
234	Testing the level density of hot nuclei from evaporative charged-particle spectra. Nuclear Physics A, 1994, 578, 285-299.	1.5	14

#	Article	IF	Citations
235	Dynamical effects in the pre-scission neutron emission from 160Yb at Exâˆ¼475 MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 283-286.	4.1	5
236	A multi-element detector array for heavy fragments emitted in intermediate energy nuclear reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 325, 458-464.	1.6	72
237	Neutron spectra from theEr156compound nucleus populated byâˆ’12andinduced64reactions. Physical Review C, 1993, 48, 2072-2073.	2.9	1
238	Incomplete fusion and cluster production in heavy-ion collisions at 30 MeV/nucleon. Physical Review C, 1992, 45, 317-325.	2.9	12
239	Cross sections and mean angular momenta for 64Ni + 92,96Zr fusion near and below the Coulomb barrier. Nuclear Physics A, 1992, 548, 453-470.	1.5	24
240	High spin selection in compound nucleus decay by detecting multiple alpha chains. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 320, 283-289.	1.6	1
241	Position determination and resolution of two-dimensional position-sensitive solid-state detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 311, 189-194.	1.6	23
242	Simple observables sensitive to the transition from sequential decay to simultaneous break-up of nuclear systems. Il Nuovo Cimento A, 1992, 105, 1629-1635.	0.2	2
243	Production of three nearly equal mass fragments in the Xe + Cu reaction at 45 MeV/u. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 292, 251-256.	4.1	21
244	The origin of symmetric splitting events in the32S+58,64Ni reactions at 160 and 180 MeV. Il Nuovo Cimento A, 1991, 104, 151-158.	0.2	0
245	The154Sm(28Si, Mg) and154Sm(16O, C) reactions atE/Bâˆ¼1.6. Il Nuovo Cimento A, 1991, 104, 1391-1402.	0.2	0
246	The width of the giant dipole resonance built on excited states of Cu compound nuclei. Zeitschrift FÃ¼r Physik A, 1991, 340, 59-62.	0.9	11
247	Level density of hot nuclei withAâ‰ˆ40. Physical Review C, 1991, 44, 2588-2597.	2.9	20
248	Test of statistical model predictions for alpha-particle decay of90,92,94,96Ru compound nuclei. Physical Review C, 1990, 41, 127-138.	2.9	25
249	Decay ofEr156compound nucleus. Physical Review C, 1990, 42, 1472-1479.	2.9	20
250	Bragg-curve spectroscopy at high rates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 243, 601-602.	1.6	1
251	Position sensitive and Bragg curve spectroscopy detector system. Nuclear Instruments & Methods in Physics Research, 1984, 225, 57-64.	0.9	34