

# Daniele Montanari

## List of Publications by Year in descending order

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Version: 2024-02-01

77  
papers

1,866  
citations

279798

23  
h-index

254184

43  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape evolution beyond $^{40}\text{Ca} + ^{28}\text{Si}$ fusion. Physical Review C, 2015, 91, .	2.9	26
2	Fusion of $^{28}\text{Si} + ^{28}\text{Si}$ : oscillations above the barrier and the behavior down to $b < i>1/4 </i>$ . EPJ Web of Conferences, 2014, 66, 03082.	0.3	3
3	Study of shape transition in the neutron-rich Os isotopes. EPJ Web of Conferences, 2014, 66, 02057.	0.3	0
4	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
5	Transfer probability measurements in the superfluid $^{116}\text{Sn} + ^{60}\text{Ni}$ system. EPJ Web of Conferences, 2014, 66, 03063.	0.3	0
6	Measurement of dynamical dipole $\gamma$ -ray emission in the N/Z-asymmetric fusion reaction $^{16}\text{O} + ^{116}\text{Sn}$ at 12 MeV/nucleon. Physical Review C, 2014, 90, .	2.9	13
7	Barrier distributions and signatures of transfer channels in the $^{40}\text{Ca} + ^{28}\text{Si}$ fusion. Physical Review C, 2014, 90, .	2.9	30
8	Fusion of $^{28}\text{Si} + ^{28}\text{Si}$ : oscillations above the barrier and the behavior down to $b < i>1/4 </i>$ . EPJ Web of Conferences, 2014, 66, 03082.	2.9	27
9	Shape evolution in the neutron-rich osmium isotopes: Prompt $\gamma$ -ray spectroscopy of $^{196}\text{Os}$ . Physical Review C, 2014, 90, .	7.8	61
10	Fusion of $^{40}\text{Ca} + ^{96}\text{Zr}$ revisited: Transfer couplings and hindrance far below the barrier. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 639-644.	4.1	62
11	Study of the multi-nucleon transfer reactions of $^{136}\text{Xe} + ^{198}\text{Pt}$ for producing exotic heavy nuclei. EPJ Web of Conferences, 2014, 66, 03044.	0.3	7
12	Dynamical Dipole and Equation of State in N/Z Asymmetric Fusion Reactions. EPJ Web of Conferences, 2014, 66, 03033.	0.3	0
13	Reaction dynamics and nuclear structure of moderately neutron-rich Ne isotopes by heavy ion reactions. EPJ Web of Conferences, 2014, 66, 03012.	0.3	0
14	Sub-barrier transfer reactions studied with the magnetic spectrometer PRISMA. Journal of Physics: Conference Series, 2014, 533, 012006.	0.4	0
15	Lifetime Measurements of Short Lived States in $^{69}\text{As}$ . Acta Physica Polonica B, 2014, 45, 235.	0.8	2
16	Lifetime measurements of $^{214}\text{Po}$ and $^{212}\text{Po}$ with the CTF liquid scintillator detector at LNGS. European Physical Journal A, 2013, 49, 1.	2.5	17
17	Response of AGATA segmented HPGc detectors to gamma rays up to 15.1 MeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 705, 47-54.	1.6	19
18			

#	ARTICLE	IF	CITATIONS
19	The population of metastable states as a probe of relativistic-energy fragmentation reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 302-306.	4.1	15
20	Lifetime Measurements of Short Lived States in $^{22}\text{Ne}$ and $^{208}\text{Pb}$ . Ge. Acta Physica Polonica B, 2013, 44, 501.	0.8	2
21	Transfer Reaction Studies with Spectrometers. Acta Physica Polonica B, 2013, 44, 417.	0.8	8
22	Reaction Dynamics and $^{23}\text{Ne}$ Spectroscopy of Ne Isotopes by the Heavy Ion Reaction $^{22}\text{Ne} + ^{208}\text{Pb}$ . Acta Physica Polonica B, 2013, 44, 457.	0.8	1
23	Lifetime Measurements in Neutron-rich Cu Isotopes. Acta Physica Polonica B, 2013, 44, 505.	0.8	5
24	Collective nature of low-lying excitations in $^{70}\text{Zn}$ and $^{72}\text{Zn}$ from lifetime measurements using the AGATA spectrometer demonstrator. Physical Review C, 2013, 87, .	2.9	50
25	Effects of transfer channels on near and sub-barrier fusion of $^{13}\text{K}$ and $^{32}\text{S}$ . hindrance probed by the $^{13}\text{K} + ^{32}\text{S}$ system. Physical Review C, 2013, 87, .	2.9	11
26	Effects of transfer channels on near and sub-barrier fusion of $^{13}\text{K}$ and $^{32}\text{S}$ . hindrance probed by the $^{13}\text{K} + ^{32}\text{S}$ system. Physical Review C, 2013, 87, .	2.9	55
27	Lifetime measurements in neutron-rich $^{63,65}\text{Co}$ isotopes using the AGATA demonstrator. Physical Review C, 2013, 88, .	2.9	15
28	Heavy-ion transfer reactions studied at large internuclear distances with the PRISMA magnetic spectrometer. Journal of Physics: Conference Series, 2013, 420, 012161.	0.4	1
29	Fusion of $^{32}\text{S} + ^{48}\text{Ca}$ near and below the Coulomb barrier. Journal of Physics: Conference Series, 2013, 420, 012127.	0.4	0
30	Heavy-ion transfer reactions at large internuclear distances using the PRISMA magnetic spectrometer. EPJ Web of Conferences, 2013, 63, 02006.	0.3	2
31	Response function of the magnetic spectrometer PRISMA for the multinucleon transfer reaction $^{40}\text{Ar} + ^{208}\text{Pb}$ . , 2012, , .		2
32	Lifetime measurements of high-lying short lived states in $^{69}\text{As}$ . , 2012, , .		0
33	Heavy-ion transfer reactions at large internuclear distance. , 2012, , .		0
34	Sub-barrier fusion of $^{32}\text{S} + ^{48}\text{Ca}$ . , 2012, , .		0
35	Reaction dynamics and nuclear structure of moderately neutron-rich Ne isotopes by heavy-ion reactions. Physical Review C, 2012, 85, .	2.9	17
36	$^{13}\text{C}$ spectroscopy of calcium nuclei around doubly magic $^{48}\text{Ca}$ using heavy-ion transfer reactions. Physical Review C, 2012, 85, .	2.9	56

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37	Isospin mixing at finite temperature in $^{80}\text{Zr}$ . Journal of Physics: Conference Series, 2012, 381, 012045.	0.4	0
38	Multinucleon transfer reactions: an overview of recent results. Journal of Physics: Conference Series, 2012, 366, 012016.	0.4	0
39	Measurements of Dynamical Dipole in isospin asymmetric fusion reactions. Journal of Physics: Conference Series, 2012, 366, 012018.	0.4	0
40	Study of the Order-to-Chaos transition in $^{174}\text{W}$ with the AGATA-Demonstrator. Journal of Physics: Conference Series, 2012, 366, 012045.	0.4	0
41	Complete $\hat{I}^3$ -spectroscopy of n-rich nuclei around $^{48}\text{Ca}$ with Multi-Nucleon Transfer reactions. Journal of Physics: Conference Series, 2012, 381, 012046.	0.4	1
42	Fusion of $^{40}\text{Ca}$ and $^{40}\text{Ca}$ with $^{106}\text{Ag}$ and other $^{40}\text{Ca}$ nuclei. Nuclear Physics A, 2012, 893, 1-12.	2.9	106
43	Structure of the As, Ge, Ga nuclei. Nuclear Physics A, 2012, 893, 1-12.	1.5	22
44	AGATA – Advanced GAMMA Tracking Array. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 668, 26-58.	1.6	378
45	Quasi-elastic reactions: an interplay of reaction dynamics and nuclear structure. EPJ Web of Conferences, 2011, 17, 03005.	0.3	1
46	Reaction dynamics and nuclear structure studies via deep inelastic collisions with heavy-ions: spin and parity assignment in $^{49}\text{Ca}$ . Journal of Physics: Conference Series, 2011, 312, 092037.	0.4	1
47	Pair transfer processes probed at deep sub barrier energies. EPJ Web of Conferences, 2011, 17, 08004.	0.3	3
48	Conceptual design and infrastructure for the installation of the first AGATA sub-array at LNL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 654, 88-96.	1.6	117
49	Response function of the magnetic spectrometer PRISMA. European Physical Journal A, 2011, 47, 1.	2.5	54
50	Probing the nature of particle-core couplings in $^{49}\text{Ca}$ with $\hat{I}^3$ spectroscopy and heavy-ion transfer reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 288-293.	4.1	48
51	Measurement of isospin mixing at a finite temperature in $^{80}\text{Zr}$ via giant dipole resonance decay. Physical Review C, 2011, 84, .	2.9	28
52	Elastic, inelastic, and one-nucleon transfer processes in $^{48}\text{Ca}+^{64}\text{Ni}$ . Physical Review C, 2011, 84, .	2.9	20
53	Single and pair neutron transfers at sub-barrier energies. Physical Review C, 2011, 84, .	2.9	81
54	Title is missing!. Acta Physica Polonica B, 2011, 42, 653.	0.8	4

#	ARTICLE	IF	CITATIONS
55	Title is missing!. Acta Physica Polonica B, 2011, 42, 717.	0.8	6
56	Title is missing!. Acta Physica Polonica B, 2011, 42, 639.	0.8	1
57	Title is missing!. Acta Physica Polonica B, 2011, 42, 619.	0.8	2
58	Title is missing!. Acta Physica Polonica B, 2011, 42, 633.	0.8	6
59	Measurement of isospin mixing in [ <sup>80</sup> Zr] <sup>â-</sup> at finite temperature. , 2011, , .		1
60	Reaction Dynamics And Nuclear Structure Via Deep Inelastic Collisions With Heavy-Ions: Search For Particle-Vibration Couplings in [ <sup>49</sup> Ca. , 2011, , .		0
61	<i>g</i> -factor measurements at RISING: The cases of chem{{}^{127}Sn} and chem{{}^{128}Sn}. Europhysics Letters, 2010, 91, 42001.	2.0	13
62	Spin-alignment and <i>g</i> -factor measurement of the $I^{\pi} = 12+$ isomer in <sup>192</sup> Pb produced in the relativistic-energy fragmentation of a <sup>238</sup> U beam. European Physical Journal A, 2010, 45, 153-158.	2.5	10
63	Study of collisions of the radioactive <sup>24</sup> Ne beam at 7.9 MeV/u on <sup>208</sup> Pb. European Physical Journal A, 2010, 45, 287-292.	2.5	13
64	Evolution of the Ar isotopic chain: the N=28 shell gap south of <sup>48</sup> Ca. Nuclear Physics A, 2010, 834, 69c-71c.	1.5	6
65	Lifetime measurements of excited states in neutron-rich $N=44$ isotones $^{127}\text{Sn}$ and $^{128}\text{Sn}$ via a multinucleon transfer reaction. Physical Review C, 2010, 82, .	2.9	48
66	Quasi-elastic reactions : a survey on recent results. , 2010, , . Lifetime Measurements of the Neutron-Rich $N=30$ Isotones $^{127}\text{Sn}$ and $^{128}\text{Sn}$		0
67	Nuclear Structure Goes Southeast of $N=30$ Isotones $^{127}\text{Sn}$ and $^{128}\text{Sn}$	7.8	78
68	Isomeric states in $N=208$ $^{127}\text{Sn}$ and $^{128}\text{Sn}$	2.9	31
69	Rotation and shape changes in $N=30$ $^{127}\text{Sn}$ and $^{128}\text{Sn}$	7.8	0
70	Rotation and shape changes in $N=151$ $^{127}\text{Sn}$ and $^{128}\text{Sn}$	2.9	8
71	Rotation and shape changes in $N=196$ $^{127}\text{Sn}$ and $^{128}\text{Sn}$	2.9	5
72	Excitation of the dynamical dipole in the charge asymmetric reaction <sup>16</sup> O+ <sup>116</sup> Sn. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 197-202.	4.1	30

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73	<p>the Order-to-Chaos Region in Superdeformed <math>Tb_{151}</math></p> <p>New sub-<math>Tb_{151}</math> isomers in <math>Tb_{125}</math> and <math>Tb_{127}</math>, <math>Tb_{129}</math> and <math>Tb_{131}</math>. Physical Review C, 2007, 75, .</p>	7.8	15
74	<p>Investigation of the properties of a <math>LaBr_3:Ce</math> scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 554-561.</p>	2.9	56
75	<p>Selective studies of the excited rotational bands in the superdeformed nucleus <math>Tb_{151}</math>. Physical Review C, 2007, 75, .</p>	2.9	6
76	<p>A pulse shape analysis algorithm for HPGe detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 459-466.</p>	1.6	35
77	<p>Investigation of the properties of a <math>LaBr_3:Ce</math> scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 554-561.</p>	1.6	100