

Daniele Montanari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3344025/publications.pdf>

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	AGATAâ€™ 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
2	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
3	$^{40}\text{Ca} + ^{40}\text{Ca} \rightarrow ^{80}\text{Ca}$ and other	2.9	106
4	Investigation of the properties of a $^{136}\text{LaBr}_3\text{:Ce}$ scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 554-561.	1.6	100
5	Single and pair neutron transfers at sub-barrier energies. Physical Review C, 2011, 84, . Lifetime Measurements of the Neutron-Rich	2.9	81
6	$^{N}\text{Ca} = ^{30}\text{Ca}$ Isotones	7.8	78
7	^{50}Ca and	4.1	62
8	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. Neutron Pair Transfer in	7.8	61
9	^{115}Sn and isomer systematics of	2.9	56
10	^{13}C spectroscopy of calcium nuclei around doubly magic ^{48}Ca using heavy-ion transfer reactions. Physical Review C, 2012, 85, .	2.9	56
11	$^{32}\text{S} + ^{32}\text{S} \rightarrow ^{64}\text{S}$	2.9	55
12	Response function of the magnetic spectrometer PRISMA. European Physical Journal A, 2011, 47, 1.	2.5	54
13	Collective nature of low-lying excitations in ^{70}Ca , ^{72}Ca , ^{74}Ca from lifetime measurements using the AGATA spectrometer demonstrator. Physical Review C, 2013, 87, . Lifetime measurements of excited states in neutron-rich	2.9	48
14	$^{44}\text{Ca} + ^{46}\text{Ca} \rightarrow ^{90}\text{Ca}$ via a multinucleon transfer reaction. Physical Review C, 2010, 82, .	2.9	48
15	Probing the nature of particleâ€™ core couplings in ^{49}Ca with ^{13}C spectroscopy and heavy-ion transfer reactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 288-293.	4.1	48
16	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.	1.6	35
17	^{208}Pb Isomeric states in	2.9	31
18	Excitation of the dynamical dipole in the charge asymmetric reaction $^{16}\text{O} + ^{116}\text{Sn}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 197-202.	4.1	30

#	ARTICLE	IF	CITATIONS
19	Particle distributions and signatures of transfer channels in the $^{40}\text{Ca} + ^{40}\text{Ni}$ reaction. Physical Review C, 2011, 84, .	2.9	30
20	Measurement of isospin mixing at a finite temperature in ^{80}Zr via giant dipole resonance decay. Physical Review C, 2011, 84, .	2.9	28
21	Shell evolution beyond ^{28}Si . Physical Review C, 2011, 84, .	2.9	27
22	Structure of the ^{40}Ca nucleus. Nuclear Physics A, 2012, 893, 1-12.	2.9	26
23	Structure of the ^{196}Os nucleus. Nuclear Physics A, 2012, 893, 1-12.	2.9	23
24	Structure of the As, Ge, Ga nuclei. Nuclear Physics A, 2012, 893, 1-12.	1.5	22
25	Elastic, inelastic, and one-nucleon transfer processes in $^{48}\text{Ca} + ^{64}\text{Ni}$. Physical Review C, 2011, 84, .	2.9	20
26	Response of AGATA segmented HPGe 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
27	Reaction dynamics and nuclear structure of moderately neutron-rich Ne isotopes by heavy-ion reactions. Physical Review C, 2012, 85, .	2.9	17
28	Lifetime measurements of ^{214}Po and ^{212}Po with the CTF liquid scintillator detector at LNGS. European Physical Journal A, 2013, 49, 1.	2.5	17
29	Probing the Order-to-Chaos Region in Superdeformed ^{151}Tb and ^{151}Pb . Physical Review C, 2011, 84, .	7.8	15
30	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
31	Lifetime measurements in neutron-rich $^{63,65}\text{Co}$ isotopes using the AGATA demonstrator. Physical Review C, 2013, 88, .	2.9	15
32	$\langle i \rangle g \langle /i \rangle$ -factor measurements at RISING: The cases of ^{127}Sn and ^{128}Sn . Europhysics Letters, 2010, 91, 42001.	2.0	13
33	Study of collisions of the radioactive ^{24}Ne beam at 7.9 MeV/u on ^{208}Pb . European Physical Journal A, 2010, 45, 287-292.	2.5	13
34	Measurement of dynamical dipole $\hat{1}^3$ -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
35	Global properties of ^{174}K hindrance probed by the ^{174}K decay of the warm rotating ^{174}W nucleus. Physical Review C, 2013, 88, .	2.9	11
36	Spin-alignment and g-factor measurement of the $^{12+}\pi$ isomer in ^{192}Pb produced in the relativistic-energy fragmentation of a ^{238}U beam. European Physical Journal A, 2010, 45, 153-158.	2.5	10

#	ARTICLE	IF	CITATIONS
37	Rotation and shape changes in Tb and Pb . Acta Physica Polonica B, 2013, 44, 417.	2.9	8
38	Transfer Reaction Studies with Spectrometers. Acta Physica Polonica B, 2013, 44, 417.	0.8	8
39	Study of the multi-nucleon transfer reactions of $^{136}Xe + ^{198}Pt$ for producing exotic heavy nuclei. EPJ Web of Conferences, 2014, 66, 03044.	0.3	7
40	Selective studies of the excited rotational bands in the superdeformed nucleus $Tb151$. Physical Review C, 2007, 75, .	2.9	6
41	Evolution of the Ar isotopic chain: the N=28 shell gap south of ^{48}Ca . Nuclear Physics A, 2010, 834, 69c-71c.	1.5	6
42	Title is missing!. Acta Physica Polonica B, 2011, 42, 717.	0.8	6
43	Title is missing!. Acta Physica Polonica B, 2011, 42, 633.	0.8	6
44	Rotation and shape changes in Tb and Pb . Acta Physica Polonica B, 2013, 44, 417.	2.9	5
45	Lifetime Measurements in Neutron-rich Cu Isotopes. Acta Physica Polonica B, 2013, 44, 505.	0.8	5
46	Title is missing!. Acta Physica Polonica B, 2011, 42, 653.	0.8	4
47	Pair transfer processes probed at deep sub barrier energies. EPJ Web of Conferences, 2011, 17, 08004.	0.3	3
48	Fusion of $^{28}Si + ^{28}Si$: oscillations above the barrier and the behavior down to $1 < i >^{1/4} < /i > b$. EPJ Web of Conferences, 2014, 66, 03082.	0.3	3
49	Title is missing!. Acta Physica Polonica B, 2011, 42, 619.	0.8	2
50	Response function of the magnetic spectrometer PRISMA for the multinucleon transfer reaction $[^{40}Ar + ^{208}Pb]$. , 2012, , .		2
51	Lifetime Measurements of Short Lived States in ^{66}Ge . Acta Physica Polonica B, 2013, 44, 501.	0.8	2
52	Heavy-ion transfer reactions at large internuclear distances using the PRISMA magnetic spectrometer. EPJ Web of Conferences, 2013, 63, 02006.	0.3	2
53	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
54	Lifetime Measurements of Short Lived States in ^{69}As . Acta Physica Polonica B, 2014, 45, 235.	0.8	2

#	ARTICLE	IF	CITATIONS
55	Quasi-elastic reactions: an interplay of reaction dynamics and nuclear structure. EPJ Web of Conferences, 2011, 17, 03005.	0.3	1
56	Reaction dynamics and nuclear structure studies via deep inelastic collisions with heavy-ions: spin and parity assignment in ^{49}Ca . Journal of Physics: Conference Series, 2011, 312, 092037.	0.4	1
57	Title is missing!. Acta Physica Polonica B, 2011, 42, 639.	0.8	1
58	Measurement of isospin mixing in ^{80}Zr at finite temperature. , 2011, , .		1
59	Complete \hat{I}^3 -spectroscopy of n-rich nuclei around ^{48}Ca with Multi-Nucleon Transfer reactions. Journal of Physics: Conference Series, 2012, 381, 012046.	0.4	1
60	Reaction Dynamics and \hat{I}^3 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
61	Heavy-ion transfer reactions studied at large internuclear distances with the PRISMA magnetic spectrometer. Journal of Physics: Conference Series, 2013, 420, 012161. Publisher's Note: Lifetime Measurements of the Neutron-Rich ^{30}N Isotones	0.4	1
62	Lifetime Measurements of the Neutron-Rich ^{30}N Isotones	7.8	0
63	Quasi-elastic reactions : a survey on recent results. , 2010, , .		0
64	Reaction Dynamics And Nuclear Structure Via Deep Inelastic Collisions With Heavy-Ions: Search For Particle-Vibration Couplings in ^{49}Ca . , 2011, , .		0
65	Lifetime measurements of high-lying short lived states in ^{69}As . , 2012, , .		0
66	Heavy-ion transfer reactions at large internuclear distance. , 2012, , .		0
67	Sub-barrier fusion of $^{32}\text{S} + ^{48}\text{Ca}$. , 2012, , .		0
68	Isospin mixing at finite temperature in ^{80}Zr . Journal of Physics: Conference Series, 2012, 381, 012045.	0.4	0
69	Multinucleon transfer reactions: an overview of recent results. Journal of Physics: Conference Series, 2012, 366, 012016.	0.4	0
70	Measurements of Dynamical Dipole in isospin asymmetric fusion reactions. Journal of Physics: Conference Series, 2012, 366, 012018.	0.4	0
71	Study of the Order-to-Chaos transition in ^{174}W with the AGATA-Demonstrator. Journal of Physics: Conference Series, 2012, 366, 012045.	0.4	0
72	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

#	ARTICLE	IF	CITATIONS
73	Study of shape transition in the neutron-rich Os isotopes. EPJ Web of Conferences, 2014, 66, 02057.	0.3	0
74	Transfer probability measurements in the superfluid $^{116}\text{Sn}+^{60}\text{Ni}$ system. EPJ Web of Conferences, 2014, 66, 03063.	0.3	0
75	Dynamical Dipole and Equation of State in N/Z Asymmetric Fusion Reactions. EPJ Web of Conferences, 2014, 66, 03033.	0.3	0
76	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
77	Sub-barrier transfer reactions studied with the magnetic spectrometer PRISMA. Journal of Physics: Conference Series, 2014, 533, 012006.	0.4	0