

S M Lenzi

List of Publications by Year in descending order

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127
papers

3,396
citations

147801

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128
docs citations

128
times ranked

1358
citing authors

#	ARTICLE	IF	CITATIONS
1	Accessing tens-to-hundreds femtoseconds nuclear state lifetimes with low-energy binary heavy-ion reactions. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	6
2	Isomeric states in neutron-rich nuclei near $N=80$. <i>Physical Review C</i> , 2021, 104, .	2.9	6
3	Shell model analysis of the $N=73$ and $N=71$ values in the $A=70$ isobaric multiplet mass equation parameters of the $N=73$ β -ray spectroscopy of ^{73}Sr . <i>Physical Review C</i> , 2021, 104, .	2.9	5
4	Isospin symmetry breaking in the mirror pair ^{73}Sr and ^{73}Br . <i>Physical Review C</i> , 2021, 104, .	2.9	11
5	Improving constraints on the isobaric multiplet mass equation parameters of the $N=44$ β -ray spectroscopy of ^{44}Ti . <i>Physical Review C</i> , 2019, 100, .	2.9	11
6	An overview of the scientific contribution of Andrea Vitturi to nuclear physics. <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	0
7	Mirror energy differences as a probe into neutron skin evolution. <i>Journal of Physics: Conference Series</i> , 2020, 1643, 012115.	0.4	0
8	Excitations of the magic $N=50$ neutron-core revealed in ^{51}Ga . <i>Physical Review C</i> , 2019, 100, .	2.9	8
9	Structure of ^{70}Fe : Single-particle and collective degrees of freedom. <i>Physical Review C</i> , 2019, 99, .	2.9	9
10	Inelastic scattering of neutron-rich Ni and Zn isotopes off a proton target. <i>Physical Review C</i> , 2018, 97, .	2.9	6
11	Pseudospin Symmetry and Microscopic Origin of Shape Coexistence in the $N=126$ Region: A Hint from Lifetime Measurements. <i>Physical Review Letters</i> , 2018, 121, 192502.	7.8	20
12	Isospin-symmetry breaking corrections for the description of triplet energy differences. <i>Physical Review C</i> , 2018, 98, .	2.9	11
13	Neutron Skin Effects in Mirror Energy Differences: The Case of ^{23}Mg . <i>Physical Review C</i> , 2018, 98, .	7.8	14
14	Phys		

#	ARTICLE	IF	CITATIONS
19	Measurement of lifetimes in ^{62}Fe . Physical Review C, 2016, 94, .	2.9	9
20	Low- Z Boundary of the Island of Deformat. Physical Review Letters, 2017, 118, 162501.	7.8	31
21	Changes in nuclear structure along the Mn isotopic chain studied via charge radii. Physical Review C, 2016, 94, .	2.9	23
22	Isospin Symmetry at High Spin Studied via Nucleon Knockout from Isomeric States. Physical Review Letters, 2016, 117, 082502.	7.8	14
23	In-beam β -ray spectroscopy of ^{63}Mn . Physical Review C, 2016, 93, .	2.9	4
24	Mirrored one-nucleon knockout reactions to the ^{12}T nuclei. Physical Review C, 2016, 93, .	2.9	12
25	Neutron Skins and Halo Orbits in ^{12}S and ^{12}D Shells. Physical Review Letters, 2016, 116, 212501.	7.8	21
26	Isospin-breaking interactions studied through mirror energy differences. Physical Review C, 2015, 92, .	2.9	34
27	Triplet energy differences and the low lying structure of ^{62}Ga . Physical Review C, 2015, 92, .	2.9	6
28	High-spin states and band terminations in ^{49}V . Physical Review C, 2015, 92, .	2.9	3
29	Reduced transition strengths of low-lying yrast states in chromium isotopes in the vicinity of ^{40}Ni . Physical Review C, 2015, 92, .	2.9	17
30	Spins and magnetic moments of ^{58}Mn states and isomers. Physical Review C, 2015, 92, .	2.9	11
31	Nilsson-SU3 self-consistency in heavy ^{78}Ni nuclei. Physical Review C, 2015, 92, .	2.9	33
32	A systematic study of mirror and triplet energy differences. Journal of Physics: Conference Series, 2015, 580, 012028.	0.4	4
33	Small evolution beyond ^{40}Ni . Physical Review C, 2015, 92, .	2.9	26
34	Character of particle-hole excitations in ^{74}Ru deduced from β -ray angular distribution in ^{74}Zr . Physical Review C, 2014, 89, .	2.9	18
35	Hindered Gamow-Teller Decay to the Odd-Odd ^{78}Ni nuclei. Physical Review C, 2015, 92, .	2.9	35
36	^{62}Ga . Physical Review C, 2015, 92, .	7.8	16

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37	Quadrupole Transition Strength in the Ni74 Nucleus and Core Polarization Effects in the Neutron-Rich Ni Isotopes. Physical Review Letters, 2014, 113, 182501.	7.8	15
38	Isomeric decay spectroscopy of the ^{217}Bi isotope. Physical Review C, 2014, 90, .	2.9	8
39	Collective features of Cr and Fe isotopes. Physical Review C, 2014, 89, .	2.9	9
40	Mirror Energy Differences at Large Isospin Studied through Direct Two-Nucleon Knockout. Physical Review Letters, 2013, 111, 072501.	7.8	24
41	^{217}Bi linear polarization measurements and alignment in ^{217}Bi . Physical Review C, 2013, 87, .	2.9	18
42	Quadrupole Collectivity in Neutron-Rich Fe and Cr Isotopes. Physical Review Letters, 2013, 110, 242701.	7.8	77
43	Lifetime measurements in neutron-rich $^{63,65}\text{Co}$ isotopes using the AGATA demonstrator. Physical Review C, 2013, 88, .	2.9	15
44	Isospin symmetry violation in mirror E1 transitions: Coherent contributions from the giant isovector monopole resonance in the ^{67}As - ^{67}Se doublet. Physical Review C, 2012, 86, .	2.9	6
45	Intermediate-energy Coulomb excitation of $^{58,60,62}\text{Cr}$: The onset of collectivity toward $N=40$. Physical Review C, 2012, 86, .	2.9	51
46	^{48}Ca spectroscopy of calcium nuclei around doubly magic ^{48}Ca using heavy-ion transfer reactions. Physical Review C, 2012, 85, .	2.9	56
47	Spectroscopy of odd-mass cobalt isotopes toward the $N=40$ subshell closure and shell-model description of spherical and deformed states. Physical Review C, 2012, 85, .	2.9	61
48	New Isomers in the Full Seniority Scheme of Neutron-Rich Lead Isotopes: The Role of Effective Three-Body Forces. Physical Review Letters, 2012, 109, 162502.	7.8	56
49	Shape isomerism and shape coexistence effects on the Coulomb energy differences in the $N=Z$ nucleus ^{66}As and neighboring $T=1$ multiplets. Physical Review C, 2012, 85, .	2.9	11
50	High-spin structure in ^{40}K . Physical Review C, 2012, 86, .	2.9	7
51	Lifetime measurements in mirror nuclei ^{31}S and ^{31}P : A test for isospin mixing. Journal of Physics: Conference Series, 2011, 267, 012048.	0.4	6
52	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
53	Evidence for a spin-aligned neutron-proton paired phase from the level structure of ^{92}Pd . Nature, 2011, 469, 68-71.	27.8	140
54	Precision lifetime measurements of the first 2^+ and 4^+ states in ^{40}K . Physical Review C, 2011, 83, 014307.	2.9	14

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55	Enhanced Quadrupole Collectivity at $N < 40$: The Case of Neutron-Rich Fe Isotopes. Physical Review Letters, 2011, 106, 022502.	7.8	102
56	Isospin symmetry in the odd-odd mirror nuclei $^{44}\text{V}/^{44}\text{Sc}$. Physical Review C, 2011, 84, .	2.9	12
57	Elastic, inelastic, and one-nucleon transfer processes in $^{48}\text{Ca} + ^{64}\text{Ni}$. Physical Review C, 2011, 84, .	2.9	20
58	Lifetime measurements of excited states in neutron-rich ^{44}Ar via a multinucleon transfer reaction. Physical Review C, 2010, 82, .	2.9	48
59	ISOBARIC ANALOGUE STATES STUDIED IN MIRRORED FRAGMENTATION AND KNOCKOUT REACTIONS. Modern Physics Letters A, 2010, 25, 1891-1894.	1.2	5
60	Island of inversion around ^{64}Cr . Physical Review C, 2010, 82, .	2.9	218
61	Evolution of deformation in the neutron-rich krypton isotopes: The ^{70}Kr nucleus. Physical Review C, 2010, 82, .	2.9	25
62	Isotones $N = 30$ in ^{60}Ca and ^{60}Fe - ray spectroscopy of ^{60}Ca .	7.8	78
63	Coherent Contributions to Isospin Mixing in the Mirror Pair ^{67}Fe and ^{67}Ni .	2.9	21
64	Isospin symmetry breaking at high spin in the mirror nuclei ^{67}As and ^{67}Sb .	7.8	26
65	High-spin β -ray spectroscopy in ^{67}Ni and ^{67}Zn .	2.9	46
66	Spectroscopy of neutron-rich ^{59}Mn and ^{63}Mn .	2.9	47
67	High-spin β -ray spectroscopy in ^{52}Mn . Physical Review C, 2007, 76, .	2.9	7
68	Isospin symmetry breaking at high spin in the mirror nuclei ^{35}Ar and ^{35}Cl . Physical Review C, 2007, 75, .	2.9	28
69	Spectroscopy of the $N = 2$ nucleus ^{46}Cr and mirror energy differences. Physical Review C, 2007, 75, .	2.9	10
70	Observation of ^{54}Ni : Cross-Conjugate Symmetry in $^{7/2}$ Mirror Energy Differences. Physical Review Letters, 2006, 97, 152501.	7.8	41
71	High-spin spectroscopy of natural and unnatural parity states in the mirror-pair $^{45}\text{V}/^{45}\text{Ti}$. Physical Review C, 2006, 73, .	2.9	23
72	Isospin Symmetry of Odd-Odd Mirror Nuclei: Identification of Excited States in $N = 2$ ^{48}Mn . Physical Review Letters, 2006, 97, 132501.	7.8	23

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73	Emission of unbound 8Be and $12\text{C}^*(0+2)$ clusters in compound nucleus reactions. <i>European Physical Journal A</i> , 2005, 23, 19-31.	2.5	47
74	Octupole-deformed molecular bands in 21Ne . <i>European Physical Journal A</i> , 2005, 26, 321-326.	2.5	20
75	Investigation of high-spin states in 53Fe . <i>Physical Review C</i> , 2005, 72, .	2.9	10
76	Identification of excited states and shell model description of the $N=Z+1$ nucleus 91Rh . <i>Physical Review C</i> , 2005, 72, .	2.9	7
77	The CLARA-PRISMA setup installed at LNL: first results. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2005, 31, S1443-S1448.	3.6	12
78	Nonyrast states in the odd-odd $N=Z$ nucleus 62Ga . <i>Physical Review C</i> , 2004, 69, .	2.9	33
79	Effective Charges in the fp Shell. <i>Physical Review Letters</i> , 2004, 93, 222501.	7.8	58
80	Unusual Isospin-Breaking and Isospin-Mixing Effects in the $A=35$ Mirror Nuclei. <i>Physical Review Letters</i> , 2004, 92, 132502.	7.8	65
81	Spectroscopy of 40Ca and negative-parity bands. <i>European Physical Journal A</i> , 2004, 19, 307-317.	2.5	16
82	Coupling a CLOVER detector array with the PRISMA magnetic spectrometer. <i>European Physical Journal A</i> , 2003, 20, 193-197.	2.5	106
83	Yrast isomers in 95Ag , 95Pd , and 94Pd . <i>Physical Review C</i> , 2003, 67, .	2.9	32
84	Band terminations in the nucleus 46Ti . <i>Physical Review C</i> , 2003, 67, .	2.9	17
85	Cross sections for the excitation of isovector charge-exchange resonances in 208Tl . <i>Physical Review C</i> , 2003, 67, .	2.9	1
86	Signature inversion and deformation driving effects in 178Ir . <i>Physical Review C</i> , 2003, 67, .	2.9	10
87	Gamma-decay study of 21Na and 21Ne , octupole bands in 21Ne . <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2003, 29, 509-519.	3.6	17
88	The population of deformed bands in $4N$ nuclei by emission of 8Be and 12C . , 2003, , 319-319.		0
89	Isobaric Multiplet Yrast Energies and Isospin Nonconserving Forces. <i>Physical Review Letters</i> , 2002, 89, 142502.	7.8	129
90	Delayed alignments in the $N=Z$ nuclei 84Mo and 88Ru . <i>Physical Review C</i> , 2002, 65, .	2.9	29

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91	Transition rates and nuclear structure changes in mirror nuclei ^{47}Cr and ^{47}V . <i>Physical Review C</i> , 2002, 65, .	2.9	26
92	^{48}V : An experimental and theoretical paradigm in the middle of the $1f_{7/2}$ shell. <i>Physical Review C</i> , 2002, 66, .	2.9	17
93	Bands and Coulomb effects in ^{50}Cr . <i>Physical Review C</i> , 2002, 66, .	2.9	19
94	First observation of excited states in the $T_z = 1/2$ nucleus ^{85}Mo . <i>Physical Review C</i> , 2002, 65, .	2.9	14
95	High-spin states in doubly odd ^{166}Tm . <i>Physical Review C</i> , 2002, 66, .	2.9	14
96	Lifetime Measurements of Spherical and Deformed States in $1f_{7/2}$ Nuclei. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2002, 16, 65-74.	0.4	2
97	The population of deformed bands in ^{48}Cr by emission of ^8Be from the $^{32}\text{S} + ^{24}\text{Mg}$ reaction. <i>Journal of Physics C: Nuclear and Particle Physics</i> , 2001, 27, 1405-1420.	3.6	27
98	Coulomb Energy Differences in $T = 1$ Mirror Rotational Bands in ^{50}e and ^{50}r . <i>Physical Review Letters</i> , 2001, 87, 122501.	7.8	76
99	Observation of the $N = Z = 44$ nucleus. <i>Physical Review C</i> , 2001, 63, .	2.9	30
100	Electromagnetic transitions and structure in the $Z = N$ nucleus ^{46}V . <i>Physical Review C</i> , 2001, 64, .	2.9	24
101	Coupling modes in doubly odd nuclei: The case of ^{172}Ta . <i>Physical Review C</i> , 2000, 61, .	2.9	14
102	Role of breakup processes in fusion enhancement of drip-line nuclei at energies below the Coulomb barrier. <i>Physical Review C</i> , 2000, 61, .	2.9	171
103	First identification of excited states in the $T_z = 1/2$ nucleus ^{81}Zr . <i>Physical Review C</i> , 2000, 61, .	2.9	7
104	High-K band of unnatural parity in ^{49}Cr . <i>Physical Review C</i> , 1999, 60, .	2.9	20
105	Band termination in the $N = Z$ odd-odd nucleus ^{46}V . <i>Physical Review C</i> , 1999, 60, .	2.9	43
106	Charge exchange reactions in the Glauber approximation. <i>Physical Review C</i> , 1999, 59, 2297-2300.	2.9	3
107	Projectile breakup in the reaction $^{11}\text{Be} + ^{208}\text{Pb}$. <i>Physical Review C</i> , 1999, 59, 539-541.	2.9	26
108	Nonidentical twin bands in doubly odd ^{170}Lu . <i>Physical Review C</i> , 1999, 60, .	2.9	13

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109	High-spin states in doubly odd ^{176}Re and signature inversion in $\pi h_{9/2} \otimes \nu i_{13/2}$ structures. <i>Physical Review C</i> , 1999, 59, 1298-1315.	2.9	38
110	Excited states in ^{52}Fe and the origin of the yrast trap at $I^\pi = 12^+$. <i>Physical Review C</i> , 1998, 58, 3163-3170.	2.9	41
111	High-spin states in the odd-odd $N=Z$ nucleus ^{50}Mn . <i>Physical Review C</i> , 1998, 58, R2621-R2625.	2.9	45
112	Structure of $N=Z$ nuclei in the $1f_{7/2}$ shell. <i>Il Nuovo Cimento A</i> , 1998, 111, 739-746.	0.1	10
113	Band termination and second backbending in ^{50}Cr . <i>Physical Review C</i> , 1997, 56, 1313-1319.	2.9	38
114	High-spin states in doubly odd $^{162,164}\text{Lu}$. <i>Physical Review C</i> , 1997, 56, 707-722.	2.9	15
115	Evolution of collectivity along the $N=Z$ line: The ^{84}Mo nucleus. <i>Physical Review C</i> , 1997, 56, 2497-2501.	2.9	19
116	Yrast bands and signature inversion in doubly odd $^{162, 164}\text{Lu}$. <i>Zeitschrift für Physik A</i> , 1996, 354, 5-6.	0.9	14
117	High spin states in ^{48}Cr . <i>Zeitschrift für Physik A</i> , 1996, 354, 117-118.	0.9	8
118	One-nucleon transfer between heavy ions at intermediate energies. <i>Physical Review C</i> , 1994, 50, 2096-2103.	2.9	2
119	Coulomb and nuclear excitation in intermediate-energy heavy-ion collisions. <i>Physical Review C</i> , 1994, 49, 1635-1651.	2.9	8
120	Description of alpha clustering including continuum configurations. <i>Physical Review C</i> , 1993, 48, 1463-1465.	2.9	18
121	Reply to the comment on "Multipair transfer processes in heavy-ion collisions at intermediate energies". <i>Physical Review C</i> , 1992, 46, 1563-1563.	2.9	0
122	Heavy-Ion Interactions at Intermediate Energies. <i>Research Reports in Physics</i> , 1992, , 31-44.	0.0	0
123	Multipair transfer processes in heavy-ion collisions at intermediate energies. <i>Physical Review C</i> , 1991, 44, 2670-2675.	2.9	3
124	Multichannel approach to the Glauber model for heavy-ion collisions. <i>Physical Review C</i> , 1990, 42, 2079-2092.	2.9	14
125	\hat{I}_{\pm} -like part of four-nucleon wave functions. <i>Physical Review C</i> , 1990, 41, 109-117.	2.9	7
126	Systematic analysis of heavy-ion reaction data in terms of an eikonal approach: Elastic and inelastic scattering. <i>Physical Review C</i> , 1989, 40, 2114-2123.	2.9	68

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127	Description of inelastic scattering between heavy ions in the Glauber model. Physical Review C, 1988, 38, 2086-2093.	2.9	23