

Luca Girlanda

List of Publications by Year in descending order

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75
papers

2,515
citations

186209

28
h-index

189801

50
g-index

80
all docs

80
docs citations

80
times ranked

796
citing authors

#	ARTICLE	IF	CITATIONS
1	<p> X_{17} boson and the H </p>		



#	ARTICLE	IF	CITATIONS
19	Tritium \hat{I}^2 decay in chiral effective field theory. Physical Review C, 2016, 94, .	1.1	48
20	Nuclear axial currents in chiral effective field theory. Physical Review C, 2016, 93, .	1.1	54
21	Local chiral potentials with \hat{I} -intermediate states and the structure of light nuclei. Physical Review C, 2016, 94, .	1.1	117
22	Minimally nonlocal nucleon-nucleon potentials with chiral two-pion exchange including \hat{I} resonances. Physical Review C, 2015, 91, .	1.1	152
23	Chiral effective field theory analysis of hadronic parity violation in few-nucleon systems. Physical Review C, 2014, 89, .	1.1	33
24	Nuclear electromagnetic processes in ChEFT. Journal of Physics: Conference Series, 2014, 527, 012022.	0.3	3
25	Electromagnetic structure of A=2 and 3 nuclei in chiral effective field theory. , 2014, , .		0
26	Effect of Three Nucleon Forces in $p \hat{a}^3 \text{He}$ Scattering. Few-Body Systems, 2013, 54, 885-890.	0.7	10
27	Recent Progress in Ab-initio Four-Body Scattering Calculations. Few-Body Systems, 2013, 54, 647-656.	0.7	1
28	Effect of Three-Nucleon Interactions in $p \hat{A}$ Elastic Scattering. Physical Review Letters, 2013, 111, 172302.	2.9	65
29	Electromagnetic structure of $A \leq 3$ nuclei in chiral effective field theory. Physical Review C, 2013, 87, .		
30	Three-nucleon contact interaction at NLO. , 2012, , .		0
31	Study of parity violating observables in few-nucleon systems. Journal of Physics: Conference Series, 2011, 336, 012003.	0.3	0
32	Towards a more refined model of three-nucleon interaction. Journal of Physics: Conference Series, 2011, 336, 012004.	0.3	0
33	Relativistic Covariance of the 2-Nucleon Contact Interactions. Few-Body Systems, 2011, 49, 51-60.	0.7	5
34	Muon capture on deuteron and ^3He . Physical Review C, 2011, 83, .	1.1	42
35	Two-nucleon electromagnetic charge operator in chiral effective field theory (T_{ETQq1})	1.1	78
36	Subleading contributions to the three-nucleon contact interaction. Physical Review C, 2011, 84, .	1.1	96

#	ARTICLE	IF	CITATIONS
37	Proton-3He elastic scattering at low energies and the α - α puzzle, EPJ Web of Conferences, 2010, 3, 05011.	0.1	24
38	Electromagnetic Structure and Reactions of Few-Nucleon Systems in χ EFT. EPJ Web of Conferences, 2010, 3, 01004.	0.1	2
39	Electromagnetic processes in a χ EFT framework. Chinese Physics C, 2010, 34, 1368-1371.	1.5	0
40	Parity-violating asymmetry in the $^3\text{He}(n,p)^3\text{H}$ reaction. Physical Review C, 2010, 81, 014001.	1.1	27
41	Comparative study of three-nucleon force models in ^3He . Physical Review C, 2010, 81, 014001.	1.1	41
42	Relativity constraints on the two-nucleon contact interaction. Physical Review C, 2010, 81, 014001.	1.1	33
43	Thermal Neutron Captures on ^3He and ^3H . Physical Review C, 2010, 81, 014001.	2.9	46
44	Electromagnetic currents and magnetic moments in chiral effective field theory. Physical Review C, 2009, 80, 014001.	1.1	42
45	Neutron- ^3He Triton Elastic Scattering. Few-Body Systems, 2009, 45, 119-121.	0.7	17
46	Analysis of the Effects of Three-nucleon Forces in $A=3, 4$ Systems. Few-Body Systems, 2009, 45, 115-118.	0.7	2
47	Echoes from the Moon. American Journal of Physics, 2009, 77, 854-857.	0.3	3
48	N^2 delastic scattering using the hyperspherical harmonics approach with realistic local and nonlocal interactions. Physical Review C, 2009, 80, 014001.	1.1	46
49	Hadronic parity violation in few-body systems. Journal of Physics: Conference Series, 2009, 168, 012003.	0.3	0
50	Three-nucleon force study in $A=3, 4$ systems. Journal of Physics: Conference Series, 2009, 168, 012004.	0.3	0
51	N^2 delastic scattering at low-energies with local and non-local realistic nuclear interactions. Journal of Physics: Conference Series, 2009, 168, 012005.	0.3	1
52	Structure of $A=3$ nuclear systems using realistic Hamiltonians. Few-Body Systems, 2008, 44, 207-209.	0.7	4
53	A high-precision variational approach to three- and four-nucleon bound and zero-energy scattering states. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 063101.	1.4	218
54	N^2 Elastic Scattering at Low Energy with Realistic Interactions. AIP Conference Proceedings, 2008, 100, 020001.	0.3	0

#	ARTICLE	IF	CITATIONS
55	Redundancy in the parity-violating 2-nucleon contact Lagrangian. <i>Physical Review C</i> , 2008, 77, .	1.1	63
56	Neutron spin rotation in $n\bar{n}$ scattering. <i>Physical Review C</i> , 2008, 78, .	1.1	27
57	Bakamjian-Thomas mass operator for few-nucleon systems from chiral dynamics. <i>Physical Review C</i> , 2007, 76, .	1.1	5
58	Isospin Mixing in the Nucleon and ^4He and the Nucleon Strange Electric Form Factor. <i>Physical Review Letters</i> , 2007, 99, 112002.	2.9	23
59	Bound and scattering states with non-local potentials. <i>Nuclear Physics A</i> , 2007, 790, 46c-51c.	0.6	6
60	Variational Calculation on $A = 3$ and 4 Nuclei with Non-Local Potentials. <i>Few-Body Systems</i> , 2006, 39, 159-176.	0.7	49
61	The \bar{K} -nucleus optical potential to $O(p^5)$ in Chiral Perturbation Theory. <i>Nuclear Physics A</i> , 2005, 755, 653-656.	0.6	3
62	Resumming QCD vacuum fluctuations in three-flavor Chiral Perturbation Theory. <i>European Physical Journal C</i> , 2004, 34, 201-227.	1.4	48
63	Chiral perturbation theory in a nuclear background. <i>Annals of Physics</i> , 2004, 312, 92-127.	1.0	11
64	Chiral order and fluctuations in multi-flavour QCD. <i>European Physical Journal C</i> , 2003, 27, 115-134.	1.4	21
65	Analysis and interpretation of new low-energy $\pi\pi$ scattering data. <i>European Physical Journal C</i> , 2002, 24, 469-483.	1.4	83
66	The anomalous chiral Lagrangian of order p^6 . <i>European Physical Journal C</i> , 2002, 23, 539-544.	1.4	112
67	Double chiral logarithms of generalized chiral perturbation theory for low-energy $\pi\pi$ scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 513, 103-111.	1.5	1
68	\bar{K} Mass and Chiral Symmetry Breaking at Large N_c and N_f . <i>Physical Review Letters</i> , 2001, 86, 5858-5861.	2.9	11
69	Measuring the quark condensate from the decays $\bar{K} \rightarrow 3\pi + \frac{1}{2}\pi$. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2000, 86, 207-210.	0.5	1
70	Paramagnetic effect of light quark loops on chiral symmetry breaking. <i>Journal of High Energy Physics</i> , 2000, 2000, 041-041.	1.6	70
71	The decay $\bar{K} \rightarrow 3\pi$ as a probe of the mechanism of dynamical chiral symmetry breaking. <i>Nuclear Physics B</i> , 2000, 575, 285-312.	0.9	7
72	Finite energy chiral sum rules and \bar{K} , spectral functions. <i>Physical Review D</i> , 1998, 58, .	1.6	71

#	ARTICLE	IF	CITATIONS
73	Comment on the prediction of two-loop standard chiral perturbation theory for low-energy $\pi\pi$ scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 409, 461-468.	1.5	28
74	Alkali suboxides as weaker binding substrates for helium. European Physical Journal D, 1996, 46, 419-420.	0.4	2
75	Tritium \hat{I}^2 decay in chiral effective field theory. , 0, .		1