

Luis

List of Publications by Year in descending order

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97
papers

1,895
citations

257450

24
h-index

265206

42
g-index

100
all docs

100
docs citations

100
times ranked

943
citing authors

#	ARTICLE	IF	CITATIONS
19	Watson's theorem and the $\langle N \mathcal{H} N \rangle$ scattering in relativistic baryon chiral perturbation theory reexamined. Physical Review C, 2011, 83, .	4.7	31
20	Neutrino-induced pion production at energies relevant for the MiniBooNE and K2K experiments. Physical Review C, 2009, 79, .	2.9	29
21	Low-energy pions in nuclear matter and $\pi\pi$ photoproduction within a BUU transport model. European Physical Journal A, 2006, 29, 189-207.	2.5	28
22	$\langle N \mathcal{H} N \rangle$ scattering in relativistic baryon chiral perturbation theory reexamined. Physical Review C, 2011, 83, .	2.9	27
23	Influence of the nuclear medium on inclusive electron and neutrino scattering off nuclei. Physical Review C, 2007, 76, .	2.9	26
24	Measurement of the ν_{μ} -CCQE cross section in the SciBooNE experiment. AIP Conference Proceedings, 2009, , .	0.4	26
25	Extraction of nucleon axial charge and radius from lattice QCD results using baryon chiral perturbation theory. Physical Review D, 2017, 96, .	4.7	25
26	Nucleon-to- π axial transition form factors in relativistic baryon chiral perturbation theory. Physical Review D, 2008, 78, .	4.7	24
27	Low-energy $\pi\pi$ photoproduction off nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 216-222.	4.1	23
28	Single photon events from neutral current interactions at MiniBooNE. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 16-22.	4.1	23
29	Pion-induced double-charge exchange reactions in the $\hat{\pi}^0$ resonance region. Physical Review C, 2006, 74, .	2.9	22
30	Preliminary Results for CCQE Scattering with the MINOS Near Detector. , 2009, , .		22
31	Nuclear response functions for the $N \rightarrow \Delta$ transition. Nuclear Physics A, 2003, 724, 157-177.	1.5	17
32	First Measurement of Muon Neutrino Charged Current Quasielastic (CCQE) Double Differential Cross Section. AIP Conference Proceedings, 2009, , .	0.4	17
33	Nucleon axial form factor from a Bayesian neural-network analysis of neutrino-scattering data. Physical Review C, 2019, 99, .	2.9	16
34	Weak pion production off the nucleon in covariant chiral perturbation theory. Physical Review D, 2018, 98, .	4.7	14
35	Electromagnetic scaling functions within the Green's function Monte Carlo approach. Physical Review C, 2017, 96, .	2.9	13
36	Neutral-current weak pion production off the nucleon in covariant chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 794, 109-113.	4.1	12

#	ARTICLE	IF	CITATIONS
37	$\frac{1}{1020} T_j \text{ETQq1 } 1.0784314 \text{ rgBT /Overlock } 10 \text{ Tf } 50 \text{ 747 Td}$ (stretchy="false") $\frac{1}{980} T_j \text{ETQq1 } 1.0784314 \text{ rgBT /Overlock } 10 \text{ Tf } 50 \text{ 727 Td}$ (stretchy="false")	4.7	11
38	Photon emission in neutral current interactions at the T2K experiment. Physical Review D, 2015, 92, .	4.7	11
39	Neutrino interactions with matter and the MiniBooNE anomaly. European Physical Journal: Special Topics, 0, , 1.	2.6	10
40	Inclusive pion double charge exchange on ^{16}O at $0.6 \leq E < 1.1 \text{ GeV}$. Nuclear Physics A, 2003, 723, 389-407.	1.5	9
41	Charged kaon production by coherent scattering of neutrinos and antineutrinos on nuclei. Physical Review C, 2013, 87, .	2.9	9
42	Antineutrino induced π^0 production off the proton. Physical Review C, 2015, 91, .	2.9	9
43	Influence of nucleonic motion in relativistic Fermi gas inclusive responses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 497, 214-220.	4.1	8
44	Neutrino induced pion production at MiniBooNE and K2K energies. , 2009, , .		8
45	Meson exchange currents in pion double charge exchange at high energies. Journal of Physics G: Nuclear and Particle Physics, 1996, 22, L45-L49.	3.6	7
46	In-medium properties of hadrons – observables II. Progress in Particle and Nuclear Physics, 2005, 55, 71-90.	14.4	7
47	Final State Interaction Models in Neutrino-Nucleus Cross Sections. AIP Conference Proceedings, 2009, , .	0.4	7
48	Neutrinos and duality. AIP Conference Proceedings, 2009, , .	0.4	6
49	Pion production in neutrino interactions with nuclei. , 2010, , .		6
50	Review of weak coherent pion production. AIP Conference Proceedings, 2011, , .	0.4	6
51	Consistency between SU(3) and SU(2) covariant baryon chiral perturbation theory for the nucleon mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 325-333.	4.1	6
52	The imaginary part of the nucleon self-energy in hot nuclear matter. Nuclear Physics A, 1996, 606, 407-420.	1.5	5
53	Neutrino interactions: Challenges in the current theoretical picture. Nuclear Physics, Section B, Proceedings Supplements, 2012, 229-232, 167-173.	0.4	5
54	Charged current weak production of the ρ^0 resonance. Nuclear Physics A, 2000, 663-664, 837c-840c.	1.5	4

#	ARTICLE	IF	CITATIONS
55	Quasielastic Scattering at MiniBooNE Energies. , 2009, , .		4
56	Nucleon mass and pion-nucleon sigma term from a chiral analysis of lattice QCD world data. EPJ Web of Conferences, 2014, 73, 04015.	0.3	4
57	The ϕ mean free path in hot hadronic matter. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1527-1534.	3.6	3
58	LOW ENERGY DOUBLE-PION PHOTOPRODUCTION IN NUCLEI. International Journal of Modern Physics A, 2005, 20, 578-580.	1.5	3
59	Relativistic models for electron and neutrino-nucleus scattering. , 2009, , .		3
60	Properties of hyperons in chiral perturbation theory. Nuclear Physics A, 2010, 835, 337-341.	1.5	3
61	Lowest-lying spin-1/2 and spin-3/2 baryon magnetic moments in chiral perturbation theory. Chinese Physics C, 2010, 34, 1307-1311.	3.7	3
62	Theoretical highlights of neutrino-nucleus interactions. , 2010, , .		3
63	Weak production of strange particles and $\hat{1}$ mesons off the nucleon. AIP Conference Proceedings, 2015, , .	0.4	3
64	Weak $\hat{1}$ production off the nucleon. AIP Conference Proceedings, 2015, , .	0.4	3
65	A New Approach to Nuclear Form Factors for Direct Dark Matter Searches. Nuclear and Particle Physics Proceedings, 2016, 273-275, 414-418.	0.5	3
66	Light-quark mass dependence of the nucleon axial charge and pion-nucleon scattering phenomenology. Physical Review D, 2022, 105, .	4.7	3
67	Modelling nuclear effects in neutrino scattering. Progress in Particle and Nuclear Physics, 2006, 57, 395-397.	14.4	2
68	Neutrino Interactions with Nuclei. AIP Conference Proceedings, 2007, , .	0.4	2
69	In-medium Hadrons " Properties, Interaction and Formation. Nuclear Physics A, 2007, 782, 166-174.	1.5	2
70	The Path Forward: Neutrino Quasi-Elastic Scattering Discussion. , 2009, , .		2
71	Single photon production induced by (anti)neutrino neutral current scattering on nucleons and nuclear targets. AIP Conference Proceedings, 2015, , .	0.4	2
72	Double Pion Production Reactions. Few-Body Systems, 1999, , 275-283.	0.2	2

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73	Spectra of fast $\bar{\nu} + \text{mesons}$ from the $\bar{\nu} + A \rightarrow \bar{\nu} + X$ reaction on oxygen and lithium nuclei at 0.59 GeV. Physics of Atomic Nuclei, 2002, 65, 229-235.	0.4	1
74	A dependence of inclusive pion double charge exchange. Physics of Atomic Nuclei, 2005, 68, 1283-1287.	0.4	1
75	Neutrino interactions with nucleons and nuclei at intermediate energies. AIP Conference Proceedings, 2006, , .	0.4	1
76	Neutrino-induced coherent pion production. AIP Conference Proceedings, 2007, , .	0.4	1
77	CHIRAL PERTURBATION THEORY STUDY OF THE AXIAL $N \rightarrow \pi$ (1232) TRANSITION. Modern Physics Letters A, 2008, 23, 2246-2249.	1.2	1
78	2p2h or not 2p2h?. AIP Conference Proceedings, 2011, , .	0.4	1
79	Theoretical highlights on neutrino-nucleus interactions: current challenges. , 2011, , .		1
80	Neutrino induced one-pion production in the Delta region and Watson's theorem. AIP Conference Proceedings, 2015, , .	0.4	1
81	Neutrino Interactions in the few-GeV region and the MiniBooNE anomaly. Journal of Physics: Conference Series, 2018, 1056, 012001.	0.4	1
82	Present Status of Single Pion Production in Neutrino-Nucleus Reactions. , 2016, , .		1
83	The ITEP study of inclusive pion double charge exchange: Experiment and interpretation. AIP Conference Proceedings, 2001, , .	0.4	0
84	IN-MEDIUM EFFECTS IN PHOTO- AND NEUTRINO-INDUCED REACTIONS ON NUCLEI. International Journal of Modern Physics A, 2007, 22, 416-423.	1.5	0
85	NUCLEAR EFFECTS IN NEUTRINO INDUCED REACTIONS. Modern Physics Letters A, 2008, 23, 2321-2324.	1.2	0
86	Hadron resonances generated from the dynamics of the lightest scalar ones. Nuclear Physics, Section B, Proceedings Supplements, 2010, 207-208, 188-191.	0.4	0
87	GiBUU and Neutrino-Nucleus scattering. , 2011, , .		0
88	$\bar{\nu}N$ scattering in relativistic baryon chiral perturbation theory revisited. , 2012, , .		0
89	Photon emission in (anti)neutrino neutral current interactions with nuclei. , 2013, , .		0
90	The nucleon mass and pion-nucleon sigma term from a chiral analysis of $N_f=2$ lattice QCD world data. EPJ Web of Conferences, 2014, 66, 06001.	0.3	0

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91	N* RESONANCES IN NEUTRINO INTERACTIONS. International Journal of Modern Physics Conference Series, 2014, 26, 1460111.	0.7	0
92	Weak production of strange particles off the nucleon. AIP Conference Proceedings, 2015, , .	0.4	0
93	Photon emission in neutral current interactions with nucleons and nuclei. AIP Conference Proceedings, 2015, , .	0.4	0
94	Weak kaon production off the nucleon and Watson's theorem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 817, 136349.	4.1	0
95	MASSES AND MAGNETIC MOMENTS OF GROUND-STATE BARYONS IN COVARIANT BARYON CHIRAL PERTURBATION THEORY. , 2013, , .		0
96	Neutrinos and Their Interactions in the Standard Model. Acta Physica Polonica B, Proceedings Supplement, 2016, 9, 669.	0.1	0
97	Neural network study of the nucleon axial form-factor. , 2019, , .		0