

Manuel Jose Vicente Vacas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
37	Nuclear medium modification of the structure function. Nuclear Physics A, 2011, 857, 29-41.	1.5	22
38	Kaon Production Off the Nucleon. , 2011, , .		0
39	Strange particle production at low and intermediate energies. AIP Conference Proceedings, 2011, , .	0.4	1
40	Nuclear medium effects in $\hat{1}/2\hat{1}/2$, -A DIS. AIP Conference Proceedings, 2011, , .	0.4	0
41	Nuclear medium effects in $\hat{1}/2\hat{1}/2$ deep inelastic scattering. Physical Review C, 2011, 84, .	2.9	28
42	Analysis of the LQCD results on the lowest-lying baryon masses in chiral perturbation theory. , 2011, , .		0
43	New determination of the $N\hat{1}^{\prime}(1232)$ axial form factors from weak pion production and coherent pion production off nuclei at T2K and MiniBooNE energies revisited. , 2011, , .		0
44	Lepton event rates in neutrino-nucleus DIS. , 2011, , .		0
45	Dynamically generated resonances from the vector octet-baryon decuplet interaction. European Physical Journal A, 2010, 44, 431-443.	2.5	63
46	Baryon Resonances. Nuclear Physics A, 2010, 835, 271-278.	1.5	5
47	Properties of hyperons in chiral perturbation theory. Nuclear Physics A, 2010, 835, 337-341.	1.5	3
48	Properties of the ground-state baryons in chiral perturbation theory. Nuclear Physics, Section B, Proceedings Supplements, 2010, 207-208, 212-215.	0.4	0
49	Nucleon Emission off Nuclei Induced by Neutrino Interactions. , 2010, , .		0
50	Vector baryon interaction and dynamically generated resonances. , 2010, , .		1
51	Lowest-lying baryon masses in covariant SU(3)-flavor chiral perturbation theory. Physical Review D, 2010, 82, .	4.7	65
52	Weak kaon production off the nucleon. Physical Review D, 2010, 82, .	4.7	30
53	$N\hat{1}^{\prime}(1232)$ axial form factors from weak pion production and coherent pion production off nuclei at T2K and MiniBooNE energies revisited. Physical Review D, 2010, 81, .	4.7	64
54	NEUTRINO NUCLEUS CROSS-SECTIONS. International Journal of Modern Physics E, 2009, 18, 1469-1481.	1.0	4

#	ARTICLE	IF	CITATIONS
55	Study of the derivative expansions for the nuclear structure functions. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 015104.	3.6	1
56	Neutrino induced weak pion production off the nucleon and coherent pion production in nuclei at low energies. , 2009, , .		1
57	Recent topics of mesic atoms and mesic nuclei. Hyperfine Interactions, 2009, 193, 75-80.	0.5	0
58	Leading-order decuplet contributions to the baryon magnetic moments in chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 676, 63-68.	4.1	37
59	SU(3)-breaking corrections to the hyperon vector coupling $\langle \bar{\psi} \gamma_5 \psi \rangle / \langle \bar{\psi} \psi \rangle$ Review D, 2009, 79, .	4.7	29
60	Electromagnetic structure of the lowest-lying decuplet resonances in covariant chiral perturbation theory. Physical Review D, 2009, 80, .	4.7	60
61	Neutrino induced coherent pion production off nuclei and the partial conservation of the axial current. Physical Review D, 2009, 80, .	4.7	28
62	Nuclear effects in $F_3^{\nu N}$ structure function of nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 668, 133-142.	4.1	16
63	Meson resonances in the open and hidden charm sectors. Progress in Particle and Nuclear Physics, 2008, 61, 153-154.	14.4	0
64	$\hat{I}_{1/2}$ induced threshold production of two pions and $N^* \pi$ axial transition form factors in relativistic baryon chiral perturbation theory. Physical Review D, 2008, 78, .	4.7	22
65	Nucleon-to- $\hat{I}_{1/2}$ axial transition form factors in relativistic baryon chiral perturbation theory. Physical Review D, 2008, 78, .	4.7	24
66	RECENT DEVELOPMENTS IN CHIRAL UNITARY DYNAMICS OF RESONANCES. Modern Physics Letters A, 2008, 23, 2201-2208.	1.2	1
67	CHIRAL PERTURBATION THEORY STUDY OF THE AXIAL $N \rightarrow \Delta$ (1232) TRANSITION. Modern Physics Letters A, 2008, 23, 2246-2249.	1.2	1
68	PRODUCTION OF TWO PIONS INDUCED BY NEUTRINOS. Modern Physics Letters A, 2008, 23, 2309-2312.	1.2	4
69	Leading SU(3)-Breaking Corrections to the Baryon Magnetic Moments in Chiral Perturbation Theory. Physical Review Letters, 2008, 101, 222002.	7.8	107
70	Baryon decuplet in the chiral dynamics of Λ hyperons in nuclear matter. Physical Review C, 2007, 75, .	2.9	4
71	Neutral current coherent pion production. Physical Review C, 2007, 76, .	2.9	41
72	Charged current neutrino-induced coherent pion production. Physical Review C, 2007, 75, .	2.9	55

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73	Dynamically generated open and hidden charm meson systems. Physical Review D, 2007, 76, .	4.7	238
74	Recent developments in chiral dynamics of hadrons and hadrons in a nuclear medium. Nuclear Physics A, 2007, 782, 259-266.	1.5	1
75	Scalar isoscalar part of the hyperon-nucleon interaction. European Physical Journal A, 2007, 31, 557-559.	2.5	1
76	Scalar \hat{N} and $\hat{\Lambda}$ interactions within a chiral unitary approach. , 2007, , 291-296.		0
77	Weak quasielastic production of hyperons. Physical Review D, 2006, 74, .	4.7	34
78	Inclusive nucleon emission induced by quasi-elastic neutrino-nucleus interactions. Nuclear Physics, Section B, Proceedings Supplements, 2006, 155, 263-265.	0.4	6
79	Chiral dynamics of baryon resonances and hadrons in a nuclear medium. Pramana - Journal of Physics, 2006, 66, 731-752.	1.8	8
80	Scalar \hat{N} and $\hat{\Lambda}$ interaction in a chiral unitary approach. Physical Review C, 2006, 74, .	2.9	15
81	Two pion mediated scalar isoscalar NN interaction in the nuclear medium. Physical Review C, 2006, 73, .	2.9	7
82	Inclusive nucleon emission induced by quasielastic neutrino-nucleus interactions. Physical Review C, 2006, 73, .	2.9	63
83	Bound states of in nuclei. Nuclear Physics A, 2005, 755, 503-506.	1.5	0
84	Production of $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$	4.1	3
85	Baryonic resonances from baryon decuplet-meson octet interaction. Nuclear Physics A, 2005, 750, 294-323.	1.5	131
86	Two-meson cloud contribution to the baryon antidecuplet self-energy. Nuclear Physics A, 2005, 755, 395-398.	1.5	0
87	Baryonic Resonances from Baryon Decuplet-Meson Octet Interactions and the Exotic Resonance , , Nuclear Physics A, 2005, 755, 665-668.	1.5	1
88	Determination of the S-wave pion nucleon scattering lengths from $\bar{N}N$, pionic hydrogen and deuteron. Nuclear Physics A, 2005, 755, 673-676.	1.5	1
89	Study of a possible $S = + 1$ dynamically generated baryonic resonance. European Physical Journal A, 2005, 24, 287-292.	2.5	10
90	A dependence of inclusive pion double charge exchange. Physics of Atomic Nuclei, 2005, 68, 1283-1287.	0.4	1

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91	Two-meson cloud contribution to the baryon antidecuplet binding. <i>Physical Review C</i> , 2005, 71, .	2.9	9
92	Chiral coupled channel dynamics of the $\Lambda(1520)$ and the $K^* \rightarrow \pi \eta$ reaction. <i>Physical Review C</i> , 2005, 72, .	2.9	19
93	Evaluation of the $\pi\pi$ -scattering amplitude in the f_0 -channel at finite density. <i>Physical Review C</i> , 2005, 72, .	2.9	12
94	DYNAMICALLY GENERATED RESONANCES IN THE CHIRAL UNITARY APPROACH TO MESON BARYON INTERACTION. <i>International Journal of Modern Physics A</i> , 2005, 20, 1619-1626.	1.5	4
95	RADIATIVE VECTOR MESON DECAY. <i>International Journal of Modern Physics A</i> , 2005, 20, 1901-1904.	1.5	0
96	PRODUCTION OF $\Lambda^* \rightarrow \Lambda$ HYPERNUCLEI WITH THE $(K^* \rightarrow \pi, \eta)$ REACTION. , 2005, , .		0
97	HADRONIC ASPECTS OF EXOTIC BARYONS. , 2005, , .		0
98	DETERMINING THE $\Lambda^* \rightarrow \Lambda$ QUANTUM NUMBERS THROUGH A KAON INDUCED REACTION. , 2005, , .		0
99	s-wave pion nucleon scattering lengths from πN , pionic hydrogen, and deuteron data. <i>Physical Review C</i> , 2004, 70, .	2.9	25
100	Kaon-antikaon nuclear optical potentials and the η meson in the nuclear medium. <i>Physical Review C</i> , 2004, 69, .	2.9	3
101	Light scalar mesons in $\Lambda^* \rightarrow \Lambda \pi \pi$ meson-meson decays in a chiral unitary approach. <i>Physical Review C</i> , 2004, 69, .	2.9	14
102	Mass dependence of inclusive nuclear η photoproduction. <i>Nuclear Physics A</i> , 2004, 733, 130-141.	1.5	75
103	Photoproduction of $K^* \rightarrow \pi$ for the study of $\Lambda(1405)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 593, 75-81.	4.1	22
104	Dynamical Baryon Resonances from Chiral Unitarity. , 2004, , .		0
105	On the Determination of $\Lambda^* \rightarrow \Lambda$ Quantum Numbers and Other Topics of Exotic Baryons. , 2004, , .		0
106	Experimental signals of σ -mesons in nuclei and chiral symmetry. <i>European Physical Journal A</i> , 2003, 18, 479-481.	2.5	1
107	$S = -1$ meson-baryon scattering in coupled-channel unitarized Chiral Perturbation Theory. <i>European Physical Journal A</i> , 2003, 18, 185-187.	2.5	0
108	Sequential vector and axial-vector meson exchange and chiral loops in radiative phi decay. <i>Nuclear Physics A</i> , 2003, 729, 743-768.	1.5	46

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109	Mass and width of the $\tilde{\Sigma}^*$ meson at finite density. Nuclear Physics A, 2003, 721, C301-C304.	1.5	5
110	Chiral approach to the two pion decay of the Roper. Nuclear Physics A, 2003, 721, C575-C578.	1.5	0
111	The S_0 $\tilde{\Sigma}^*$ ($\tilde{\Sigma}^*$ (1405) and $\tilde{\Sigma}^*$ ($\tilde{\Sigma}^*$ (1670) resonances in meson-baryon unitarized coupled channel chiral perturbation theory. Nuclear Physics A, 2003, 721, C579-C582.	1.5	2
112	$\tilde{\Sigma}^*$ meson in a nuclear medium through two pion photoproduction. Nuclear Physics A, 2003, 721, C719-C722.	1.5	2
113	Inclusive pion double charge exchange on ^{16}O at $0.6 \leq E \leq 1.1 \text{ GeV}$. Nuclear Physics A, 2003, 723, 389-407.	1.5	9
114	$S=1$ meson-baryon unitarized coupled channel chiral perturbation theory and the S_0 resonances $\tilde{\Sigma}^*$ (1405) and $\tilde{\Sigma}^*$ (1670). Physical Review D, 2003, 67, .	4.7	184
115	$\tilde{\Sigma}^*$ meson mass and decay width in nuclear matter. Physical Review C, 2003, 67, .	2.9	84
116	CHIRAL UNITARY APPROACH TO HADRON SPECTROSCOPY. International Journal of Modern Physics A, 2003, 18, 387-396.	1.5	3
117	THEORETICAL STUDY OF POLARIZATION OBSERVABLES IN DOUBLE PION PHOTOPRODUCTION ON THE PROTON. , 2003, , .		0
118	Two pion decay of the Roper resonance. Physical Review C, 2002, 66, .	2.9	26
119	Chiral unitary approach to S -wave meson baryon scattering in the strangeness $S=0$ sector. Physical Review C, 2002, 65, .	2.9	225
120	The $\tilde{\Sigma}^*$ meson in a nuclear medium through two pion photoproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 541, 77-86.	4.1	52
121	Chiral approach to the rho meson in nuclear matter. Nuclear Physics A, 2002, 705, 90-118.	1.5	64
122	Spectra of fast $\tilde{\Sigma}^*$ + mesons from the $\tilde{\Sigma}^* + A \rightarrow \tilde{\Sigma}^* + X$ reaction on oxygen and lithium nuclei at 0.59 GeV. Physics of Atomic Nuclei, 2002, 65, 229-235.	0.4	1
123	Chiral unitary theory: Application to nuclear problems. Pramana - Journal of Physics, 2001, 57, 417-431.	1.8	0
124	Test of $\tilde{\Sigma}^*$ renormalization in nuclei through $\tilde{\Sigma}^*$ photoproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 508, 237-242.	4.1	15
125	The role of $\tilde{\Sigma}^*$ (1700) excitation and $\tilde{\Sigma}^*$ -production in double pion photoproduction. Nuclear Physics A, 2001, 695, 295-327.	1.5	58
126	Renormalization of the and scalar resonances in a nuclear medium. Nuclear Physics A, 2000, 678, 424-442.	1.5	10

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127	Charged current weak production of the $\hat{\rho}^+$ resonance. Nuclear Physics A, 2000, 663-664, 837c-840c.	1.5	4
128	$\hat{\rho}^+ \rightarrow \pi^+ \rho^0$ reaction and axial vector $\hat{\rho}^+$ coupling. Physical Review C, 1999, 59, 3386-3392.	2.9	61
129	Nuclear effects in neutrino production of $\hat{\rho}^+$ at intermediate energies [Phys. Lett. B 416 (1998) 23]. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 423, 428.	4.1	15
130	Non-mesonic weak decay of A hypernuclei. Nuclear Physics A, 1998, 639, 307c-316c.	1.5	3
131	Nuclear effects in neutrino production of $\hat{\rho}^+$ at intermediate energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 23-28.	4.1	69
132	$\hat{\rho}^+ \rightarrow \pi^+ \rho^0$ on deuterium at $T_{\text{lab}} = 283$ MeV. Nuclear Physics A, 1998, 638, 729-746.	1.5	17
133	Chiral non-perturbative approach to the isoscalar s-wave $\hat{\rho}^+$ interaction in a nuclear medium. Nuclear Physics A, 1998, 644, 77-92.	1.5	44
134	Charged current weak electroproduction of the $\hat{\rho}^+$ resonance. Physical Review C, 1998, 57, 2693-2699.	2.9	38
135	Neutron and proton spectra from the decay of hypernuclei. Physical Review C, 1997, 55, 735-744.	2.9	60
136	Meson exchange currents in kaon scattering on the lightest nuclei. Physical Review C, 1997, 55, 2985-2990.	2.9	3
137	The $K^+ p \rightarrow \pi^+ K^0$ reaction near threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 386, 39-44.	4.1	5
138	Coherent, semicoherent and incoherent pion production in heavy-ion reactions. Nuclear Physics A, 1996, 611, 568-586.	1.5	1
139	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
140	$(^3\text{He}, t)$ reactions on unstable nuclei at intermediate energies. Nuclear Physics A, 1995, 587, 787-801.	1.5	1
141	Projectile delta excitation in alpha-proton scattering. Nuclear Physics A, 1995, 586, 586-606.	1.5	35
142	Double pion photoproduction in nuclei. Nuclear Physics A, 1995, 588, 819-828.	1.5	16
143	Coherent pion production induced by protons and light ions. Nuclear Physics A, 1995, 592, 472-486.	1.5	24
144	Inclusive $(\hat{\rho}^+, N)$, $(\hat{\rho}^+, NN)$ and $(\hat{\rho}^+, N\hat{\rho}^+)$ reactions in nuclei at intermediate energies. Nuclear Physics A, 1994, 570, 701-721.	1.5	57

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145	Pion absorption in medium and heavy nuclei. Nuclear Physics A, 1994, 568, 855-872.	1.5	8
146	Coherent π^0 electroproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 304, 198-202.	4.1	20
147	Coherent pion production in the $(\pi^+ p)$ reaction in nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 319, 416-420.	4.1	37
148	$1H(\pi^+, 2\pi^+)$ cross sections with $\pi^+\pi^+$ scattering derived from chiral lagrangians. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 287-291.	4.1	9
149	Proton and light ion induced charge exchange reactions in nuclei. Physica Scripta, 1993, 48, 101-104.	2.5	14
150	Absorption contribution to the pion double-charge-exchange reaction. Physical Review C, 1992, 46, 2406-2414.	2.9	7
151	PION DOUBLE CHARGE EXCHANGE REACTIONS LEADING TO DOUBLE PIONIC ATOMS. Modern Physics Letters A, 1992, 07, 2991-2998.	1.2	6
152	$\pi^+\pi^+$ coincidence measurement in the $4He(\pi^+, \pi^+\pi^+)$ reaction at $T_{\pi^+} = 280$ MeV. Nuclear Physics A, 1992, 548, 541-561.	1.5	5
153	Recoiles and resonant production of double-pion atoms. Nuclear Physics A, 1992, 541, 687-698.	1.5	2
154	Pion-induced pion production on deuterium: a quasifree process. Nuclear Physics A, 1992, 548, 562-578.	1.5	9
155	Two-meson doorway model of low energy antiproton-proton annihilation. Nuclear Physics A, 1991, 523, 499-516.	1.5	19
156	Protonium annihilation into two mesons. Zeitschrift für Physik A, 1991, 338, 103-110.	0.9	25
157	Meson exchange currents in pion double charge exchange. Physical Review C, 1991, 44, 2480-2483.	2.9	13
158	$\pi^+\pi^+$ Coincidence measurement in the $\pi^+ d \rightarrow \pi^+\pi^+pp$ reaction at $T_{\pi^+} = 280$ MeV. Nuclear Physics A, 1990, 517, 455-472.	1.5	15
159	Inclusive pion-nucleus double charge exchange. Physical Review C, 1989, 39, 209-215.	2.9	15
160	Production of pionic modes in relativistic heavy-ion collisions. Nuclear Physics A, 1989, 505, 823-834.	1.5	35
161	Pion production by pions in the $16O(\pi^+, \pi^+\pi^+)$ reaction at $T_{\pi^+} = 280$ MeV. Nuclear Physics A, 1989, 492, 509-528.	1.5	30
162	the π^+ interaction contribution to double charge exchange. Nuclear Physics A, 1988, 483, 514-538.	1.5	15

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163	Computer simulation of inclusive pion nuclear reactions. Nuclear Physics A, 1988, 484, 557-592.	1.5	195
164	Inclusive $(\pi^-, 2\pi^-)$ reactions in nuclei. Nuclear Physics A, 1986, 454, 637-652.	1.5	39
165	Comment on "Comparison of approximate chiral-dynamical N ⁺ N models used in A($\pi^-, 2\pi^-$) calculations". Physical Review C, 1986, 34, 2349-2350.	2.9	7
166	A model for the $\pi^+p \rightarrow \pi^+n$ reaction. Nuclear Physics A, 1985, 446, 584-612.	1.5	81
167	Meson-exchange currents in pion-nucleus double-charge-exchange reactions. Nuclear Physics A, 1983, 408, 461-477.	1.5	39