Pedro Gonzalez

List of Publications by Year
in descending order

88 papers	958 citations	567281 15 h-index	477307 29 g-index
88 all docs	88 docs citations	88 times ranked	295 citing authors

#	Article	IF	Citations
1	Quark-model study of few-baryon systems. Reports on Progress in Physics, 2005, 68, 965-1041.	20.1	192
2	A consistent study of the the low energy baryon spectrum and the nucleon-nucleon interaction within the chiral quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 367, 35-39.	4.1	64
3	A consistent explanation of the Roper phenomenology. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 431, 270-276.	4.1	49
4	Explanation of the$N(1930)$ ... Δ ... Physical Review C, 2009, 79, .	2.9	46
5	Heavy meson description with a screened potential. Physical Review D, 2003, 68, .	4.7	42
6	Strong pionic decays of baryons from a spectroscopic quark model. Nuclear Physics A, 1996, 603, 257-280.	1.5	31
7	p(n, p)n and p(p, Δ++)n charge-exchange reactions in a constituent quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 287, 35-39.	4.1	30
8	The baryonic spectrum in a constituent quark model including a three-body force. Zeitschrift Für Physik A, 1992, 343, 331-336.	0.9	30
9	Plausible explanation for the$N(2000)$ ... Physical Review ...	2.9	30
10	Screened potential and the baryon spectrum. Physical Review D, 2004, 69, .	4.7	27
11	Is the Spectrum of Highly Excited Mesons Purely Coulombian?. Physical Review Letters, 2008, 101, 232001.	7.8	21
12	Isobar-width effects in the coupling of nucleon to isobar channels. Physical Review D, 1986, 34, 1351-1360.	4.7	19
13	Can the symmetrization principle unveil the nucleon substructure in nuclei?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 196, 1-6.	4.1	19
14	Long-distance behavior of the quark-antiquark static potential. Application to light-quark mesons and heavy quarkonia. Physical Review D, 2009, 80, .	4.7	17
15	Diabatic description of charmoniumlike mesons. Physical Review D, 2020, 102, .	4.7	16
16	Quark Pauli effects in the nonstrange two baryon systems. Physical Review C, 1997, 56, 3026-3037.	2.9	15
17	Color-singlet states in a hadronic quark-cluster basis. Few-Body Systems, 1987, 2, 145-154.	1.5	14
18	Heavy meson interquark potential. Physical Review D, 2011, 84, .	4.7	14

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19	Generalized screened potential model. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 095001.	3.6	13
20	Kaon cloud and baryon magnetic moments. Nuclear Physics A, 1983, 395, 446-456.	1.5	12
21	Quark Pauli effects in delta-nuclei. Nuclear Physics A, 1988, 485, 413-420.	1.5	12
22	Hidden Antisymmetrization Principle and Selection Rules. Physical Review Letters, 1988, 60, 190-192.	7.8	12
23	A quark-model description of the Î"-production in proton-proton collisions. Nuclear Physics A, 1994, 567, 741-760.	1.5	12
24	Meson-baryon threshold effects in the light-quark baryon spectrum. Physical Review C, 2008, 77, .	2.9	11
25	A chiral SU(3) Ã— SU(3) bag model. Nuclear Physics A, 1983, 407, 349-365.	1.5	10
26	Strange tribaryons. Physical Review C, 2006, 73, .	2.9	10
27	Charmonium description from a generalized screened potential model. Physical Review D, 2015, 92, .	4.7	10
28	A plausible explanation of Î'(10860). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 409-413.	4.1	10
29	Hyperon non-leptonic decays and baryon structure. Nuclear Physics A, 1984, 423, 477-497.	1.5	9
30	Microscopic description of the nucleon-Î" interaction in the quark cluster model. Physical Review C, 1995, 52, 38-48.	2.9	9
31	Quark effects in nuclei: One- and two-body observables. Nuclear Physics A, 1989, 501, 710-728.	1.5	8
32	A (p/E) calculation of strong pionic decays of baryons. Zeitschrift FÃ¼r Physik A, 1997, 359, 315-319.	0.9	8
33	Spectral patterns in the nonstrange-baryon spectrum. European Physical Journal A, 2006, 29, 235-244.	2.5	8
34	Understanding the Low Energy Hadron Spectrum in a Chiral Quark Cluster Model. Few-Body Systems, 1999, , 395-398.	0.2	8
35	Quark antisymmetrization effects in nonidentical hadron systems. Physical Review C, 1993, 47, 1807-1810.	2.9	7
36	MicroscopicNNâ†'NN*(1440)transition potential: Determination ofÏ€NN*(1440)andÏƒNN*(1440)coupling constants. Physical Review C, 2002, 66, .	2.9	7

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37	Radiative decays in charmonium beyond the p/m approximation. Physical Review D, 2020, 101, .	4.7	7
38	Diabatic description of bottomoniumlike mesons. Physical Review D, 2021, 103, .	4.7	7
39	Coupled-channel meson-meson scattering in the diabatic framework. Physical Review D, 2021, 104, .	4.7	7
40	Perturbative pionic contributions to nucleon observables. Nuclear Physics A, 1984, 415, 413-431.	1.5	6
41	A quark model study of strong decays of<i>X</i>(3915). Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 075004.	3.6	6
42	Comment on â€œEffectiveQâˆ¼Qinteractions in constituent quark modelsâ€•. Physical Review C, 1999, 61, .	2.9	5
43	Nucleon Form Factors at High q 2 Within Constituent Quark Models. Few-Body Systems, 2000, 29, 169-222.	1.5	5
44	Microscopic derivation of aNN*(1440)potential. Physical Review C, 2001, 63, .	2.9	5
45	$bar b$ DESCRIPTION WITH A SCREENED POTENTIAL. International Journal of Modern Physics A, 2005, 20, 1842-1845.	1.5	5
46	Baryon Resonances. Nuclear Physics A, 2010, 835, 271-278.	1.5	5
47	PIONIC EFFECTS IN DEEP INELASTIC SCATTERING OFF NUCLEI. Modern Physics Letters A, 1993, 08, 1563-1571.	1.2	4
48	Diquark-diquark correlations in theS01Î›Î›potential. Physical Review D, 2005, 72, .	4.7	4
49	Dynamically generated hadron resonances. , 2011, , .		4
50	Quark model description of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ï</mml:mi></mml:math> (4260). Physical Review C, 2019, 99, .	2.9	4
51	Diabatic description of charmoniumlike mesons. II. Mass corrections and strong decay widths. Physical Review D, 2021, 103, .	4.7	4
52	NN Interaction in Chiral Constituent Quark Models. Few-Body Systems, 2003, , 25-36.	0.2	3
53	Is <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ï</mml:mi></mml:mrow><mml:mrow><mml:mi>c</mml:mi><mml stretchy="false">(</mml:mo><mml:mn>3872</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 97 Td (stretchy="fa Review D, 2022, 105, .	4.7	
54	About two equivalent descriptions of quark antisymmetrization. Il Nuovo Cimento A, 1992, 105, 795-804.	0.2	2

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55	Electromagnetic form factors of the nucleon in a relativistic quark pair creation model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 521, 225-232.	4.1	2
56	A SU(4)âŠ—O(3) scheme for nonstrange baryons. European Physical Journal A, 2007, 31, 515-518.	2.5	2
57	ï€B8B8andïƒB8B8couplings from a chiral quark potential model. Physical Review C, 2008, 77, .	2.9	2
58	Radiative decays in bottomonium beyond the long wavelength approximation. Physical Review D, 2019, 100, .	4.7	2
59	Towards a Unified Description of the Baryon Spectrum and the Baryon-Baryon Interaction within a Potential Model Scheme. Few-Body Systems, 1995, , 340-344.	0.2	2
60	A MODEL STUDY OF NUCLEAR STRUCTURE FUNCTIONS. Modern Physics Letters A, 1994, 09, 1389-1397.	1.2	1
61	Nucleon electromagnetic form factors in a relativistic quark-pair-creation model. Nuclear Physics A, 2001, 689, 493-496.	1.5	1
62	A microscopic NN â†’ NN â‹†(1440) potential. European Physical Journal A, 2004, 19, 99-104.	2.5	1
63	Dynamically generated resonances. Chinese Physics C, 2009, 33, 1132-1139.	3.7	1
64	Vector baryon interaction and dynamically generated resonances. , 2010, , .		1
65	Î"ï€ Interaction Leading to N* and Î"* Resonances. Few-Body Systems, 2011, 50, 223-225.	1.5	1
66	IS THE MESON SPECTRUM LIMITED?. International Journal of Modern Physics A, 2011, 26, 760-762.	1.5	1
67	Charmonium description from a generalized screened potential model. AIP Conference Proceedings, 2016, , .	0.4	1
68	Physics Demos for All UVEG Degrees: A Unique Project in Spain. Procedia, Social and Behavioral Sciences, 2016, 228, 628-632.	0.5	1
69	Strong decays of the lowest bottomonium hybrid within an extended Bornâ€"Oppenheimer framework. European Physical Journal C, 2021, 81, 1.	3.9	1
70	Bag models and hadron structure. , 1987, , 456-499.		0
71	Quarks in light nuclei. Nuclear Physics A, 1989, 497, 259-264.	1.5	0
72	Chiral quark cluster model approach to the baryon spectra and the NN interaction. Nuclear Physics A, 2000, 663-664, 501c-504c.	1.5	0

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73	Symmetry patterns in the (N, Î") spectrum. Nuclear Physics A, 2007, 790, 550c-553c.	1.5	0
74	Quark-model hadron structure. Few-Body Systems, 2008, 43, 233-239.	1.5	0
75	Hadron physics: a quark-model analysis. AIP Conference Proceedings, 2008, , .	0.4	0
76	An explanation of the Î" D 35 (1930) as a Ïƒî" bound state. Chinese Physics C, 2009, 33, 1267-1272.	3.7	0
77	Hadrons Ltd.: A Limited Corporation?. Few-Body Systems, 2011, 50, 23-29.	1.5	0
78	A plausible explanation of the Î"[sub 5âˆ•2]+ (2000) puzzle. , 2012, , .		0
79	Heavy quark potential from QCD-related effective coupling. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 125002.	3.6	0
80	Heavy quarkonia description from a generalized screened potential model. AIP Conference Proceedings, 2016, , .	0.4	0
81	QCD Confinement and the Meson Spectrum. Few-Body Systems, 2003, , 7-12.	0.2	0
82	PHOTOPRODUCTION OF RESONANCES IN A RELATIVISTIC QUARK PAIR CREATION MODEL. , 2003, , .		0
83	Ï€NN*(1440) AND ÏƒNN*(1440) COUPLING CONSTANTS FROM A MICROSCOPIC NN â†' NN*(1440) POTENTIAL. , 2003, , .		0
84	QCD CONFINEMENT AND MISSING BARYONS. , 2003, , .		0
85	A microscopic N N â†' N N*(1440) potential. , 2004, , 99-104.		0
86	Quarks in nuclei. Research Reports in Physics, 1992, , 212-232.	0.0	0
87	Quarks in Few Hadron Systems. Few-Body Systems, 1994, , 425-432.	0.2	0
88	A SU(4) (âŠ—) O(3) scheme for nonstrange baryons. , 2007, , 147-150.		0