Pedro Alberto

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3714577/publications.pdf

Version: 2024-02-01

56	1,210	567281 15	361022 35
papers	citations	h-index	g-index

56	56	56	383
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spin in a planar relativistic fermion problem. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 404, 127412.	2.1	0
2	Pure Coulomb tensor interaction in the Dirac equation. Physical Review A, 2019, 99, .	2.5	2
3	Relativistic particle in a box: Kleinâ€“Gordon versus Dirac equations. European Journal of Physics, 2018, 39, 025401.	0.6	13
4	New solutions of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:mi>D</mml:mi></mml:math>-dimensional Kleinâ€“Gordon equation via mapping onto the nonrelativistic one-dimensional Morse potential. Annals of Physics, 2017, 378, 88-99.	2.8	8
5	Solutions of the three-dimensional radial Dirac equation from the SchrÃ¶dinger equation with one-dimensional Morse potential. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2050-2054.	2.1	8
6	Temperature effects on nuclear pseudospin symmetry in the Dirac-Hartree-Bogoliubov formalism. Physical Review C, 2017, 96, .	2.9	4
7	From the nonrelativistic Morse potential to a unified treatment of a large class of boundâ€state solutions of a modified Dâ€dimensional Kleinâ€“Gordon equation. Astronomische Nachrichten, 2017, 338, 1160-1165.	1.2	2
8	Generalizing spin and pseudospin symmetries for relativistic spin 1/2 fermions. Journal of Physics: Conference Series, 2016, 738, 012033.	0.4	3
9	General spin and pseudospin symmetries of the Dirac equation. Physical Review A, 2015, 92, .	2.5	9
10	Timeâ€correlated patterns from spherical harmonic expansions: Application to geomagnetism. Journal of Geophysical Research: Solid Earth, 2015, 120, 8012-8030.	3.4	3
11	Pseudospin and Spin Symmetries in the Dirac Equation for Confining Potentials with the Application to the Coulomb Potential in 1+1 Dimensions. Acta Physica Polonica B, Proceedings Supplement, 2015, 8, 267.	0.1	0
12	Pseudospin and spin symmetries in 1+1 dimensions: The case of the Coulomb potential. Annals of Physics, 2015, 356, 83-94.	2.8	10
13	Relativistic pseudospin and spin symmetries in physical systems â€“ recent results. Journal of Physics: Conference Series, 2014, 490, 012069.	0.4	7
14	Spin and pseudospin symmetries of the Dirac equation with confining central potentials. Physical Review C, 2013, 87, .	2.9	37
15	Spin and pseudospin symmetries in the Dirac equation with central Coulomb potentials. Physical Review A, 2012, 86, .	2.5	35
16	Relativistic particle in a three-dimensional box. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1436-1440.	2.1	30
17	Spin and pseudospin symmetries in the antinucleon spectrum of nuclei. Physical Review C, 2010, 81, .	2.9	53
18	The effect of temperature and pairing on nuclear pseudospin symmetry. , 2009, , .		0

#	Article	IF	Citations
19	Antinucleon spectra in the Dirac equation with scalar and vector Wood-Saxon potentials. , 2009, , .		0
20	Center-of-mass correction in a relativistic Hartree approximation including meson degrees of freedom. Physical Review C, 2007, 75, .	2.9	2
21	Spin and pseudospin symmetries and the equivalent spectra of relativistic spin-1/2 and spin-0 particles. Physical Review C, 2007, 75, .	2.9	42
22	Ab-initio modeling of acceptorâ€“hydrogen complexes in CdTe. Physica B: Condensed Matter, 2006, 376-377, 775-777.	2.7	1
23	Relating pseudospin and spin symmetries through charge conjugation and chiral transformations: The case of the relativistic harmonic oscillator. Physical Review C, 2006, 73, .	2.9	98
24	Center-of-mass correction in a relativistic Hartree approximation. Brazilian Journal of Physics, 2006, 36, 1375-1378.	1.4	2
25	Direct calculation of the K-matrix for pion electro-production in the delta channel. European Physical Journal A, 2005, 26, 99-106.	2.5	5
26	Tensor coupling and pseudospin symmetry in nuclei. Physical Review C, 2005, 71, .	2.9	113
27	PEIERLSâ€“YOCCOZ PROJECTION IN Ïƒâ€“ï‰ MODELS. International Journal of Modern Physics E, 2005, 14, 1171-1196.	1.0	3
28	The nuclear pseudospin symmetry along an isotopic chain. Brazilian Journal of Physics, 2004, 34, 293-296.	1.4	8
29	PERTURBATIVE BREAKING OF THE PSEUDOSPIN SYMMETRY IN THE RELATIVISTIC HARMONIC OSCILLATOR. International Journal of Modern Physics D, 2004, 13, 1447-1451.	2.1	21
30	Medium modification of nucleon properties in a Walecka â€” Linear Sigma Model description. AIP Conference Proceedings, 2004, , .	0.4	0
31	Harmonic oscillator and nuclear pseudospin. AIP Conference Proceedings, 2004, , .	0.4	0
32	On the non-uniqueness of main geomagnetic field determined by surface intensity measurements: the Backus problem. Geophysical Journal International, 2004, 159, 548-554.	2.4	8
33	Pattern Search Methods for User-Provided Points: Application to Molecular Geometry Problems. SIAM Journal on Optimization, 2004, 14, 1216-1236.	2.0	46
34	Pseudospin symmetry and the relativistic harmonic oscillator. Physical Review C, 2004, 69, .	2.9	217
35	Role of the Coulomb and the vector-isovector Ïpotentials in the isospin asymmetry of nuclear pseudospin. Physical Review C, 2003, 67, .	2.9	26
36	CENTER-OF-MASS CORRECTIONS IN RELATIVISTIC MEAN FIELD DESCRIPTIONS OF LIGHT NUCLEI. , 2003, , .		0

#	Article	IF	Citations
37	RADIAL EXCITED STATES OF THE NUCLEON IN QUARK MODELS WITH DYNAMICAL CONFINEMENT. , 2003, , .		0
38	DYNAMICAL NATURE OF THE NUCLEAR PSEUDOSPIN AND ITS ISOSPIN ASYMMETRY. , 2003, , .		0
39	Pseudospin symmetry as a relativistic dynamical symmetry in the nucleus. Physical Review C, 2002, 65, .	2.9	98
40	ROPER ELECTROPRODUCTION AMPLITUDES IN A CHIRAL CONFINEMENT MODEL. , 2002, , .		0
41	Nâˆ— electroproduction amplitudes in a model with dynamical confinement. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 273-279.	4.1	15
42	Isospin Asymmetry in the Pseudospin Dynamical Symmetry. Physical Review Letters, 2001, 86, 5015-5018.	7.8	101
43	Pattern Search Methods for Use-Provided Points. Lecture Notes in Computer Science, 2001, , 95-98.	1.3	0
44	RECOIL EFFECTS IN THE ELECTROPRODUCTION OF THE DELTA. , 2001, , .		0
45	Î”(1232)electroproduction amplitudes in chiral soliton models of the nucleon. Physical Review C, 2000, 62, .	2.9	11
46	On the relativistic L - S coupling. European Journal of Physics, 1998, 19, 553-562.	0.6	13
47	Relativistic particle in a box. European Journal of Physics, 1996, 17, 19-24.	0.6	78
48	The projected chiral soliton model with vector mesons. Nuclear Physics A, 1995, 591, 561-605.	1.5	4
49	Linear and angular momentum projected observables in the chiral chromodielectric model of the nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 1-5.	4.1	9
50	Canonical quantization of the chiral soliton model with vector mesons and the N-Î” splitting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 236, 381-386.	4.1	13
51	Form factors in the projected chiral soliton model with vector mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 210-214.	4.1	5
52	Form factors in the projected linear chiral sigma model. Zeitschrift FÃ¼r Physik A, Atomic Nuclei, 1990, 336, 449-460.	0.3	3
53	The nucleon as a projected chiral soliton: Vacuum and medium properties. Progress in Particle and Nuclear Physics, 1990, 24, 283-302.	14.4	1
54	Hedgehog structures in general quark-meson Lagrangians. Zeitschrift FÃ¼r Physik A, Atomic Nuclei, 1989, 333, 203-207.	0.3	1

#	Article	IF	Citations
55	Nucleon form factors in the projected linear chiral soliton model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 208, 75-78.	4.1	40
56	Analytic continuation of nucleon electromagnetic form factors in the time-like region. Journal of Physics G: Nuclear and Particle Physics, 0, , .	3.6	2