

Nucleon pair approximation of the nuclear collective m

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Relationship between the fermion dynamical symmetric model Hamiltonian and nuclear collective motion. Physical Review C, 2000, 62, .	1.1	18
2	Validity of the SD-pair truncation of the shell model. Physical Review C, 2000, 62, .	1.1	34
3	Collectivity of light Ba isotopes in the DPPQ model. Nuclear Physics A, 2001, 694, 199-220.	0.6	23
4	Magnetic excitations in the nucleon-pair shell model. Physical Review C, 2001, 64, .	1.1	7
5	Neutron-proton quadrupole interaction in the nucleon-pair shell model. Physical Review C, 2001, 64, .	1.1	6
6	Shell model study of backbending phenomena in Xe isotopes. Physical Review C, 2002, 65, .	1.1	26
7	Quantum-number-projected generator coordinate method analysis of low-lying states in $^{130,132}\text{Xe}$. Physical Review C, 2002, 66, .	1.1	7
8	Decay properties of low-lying collective states in ^{132}Ba . Nuclear Physics A, 2002, 697, 75-91.	0.6	19
9	B(E2) values from low-energy Coulomb excitation at an ISOL facility: the N=80,82 Te isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 551, 269-276.	1.5	43
10	Pair-truncated shell-model approach to backbending and low-lying states in ^{132}Ba . Physical Review C, 2003, 67, .	1.1	43
11	Structure of even- and odd-A 1p0f-shell nuclei in the collective pair approximation. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, 1383-1393.	1.4	3
12	Systematic studies of nuclei around mass 130 in the pair-truncated shell model. Physical Review C, 2004, 69, .	1.1	72
13	Triaxiality and Chirality in Nuclei Around Mass 130. , 2004, , 589-609.		1
14	Backbending phenomena in Ce 132,134,136 with a pair-truncated shell model. Physical Review C, 2005, 71, .	1.1	24
15	SD -pair shell model calculation of even-even Mo isotopes. Europhysics Letters, 2006, 73, 520-525.	0.7	5
16	Evidence of rigid triaxiality in some xenon nuclei. Canadian Journal of Physics, 2007, 85, 899-910.	0.4	11
17	Systematic calculations of low-lying states in odd- $\langle\text{mml:math}\text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"\text{ display="inline"}\rangle\langle\text{mml:mrow}\rangle\langle\text{mml:mi}A\text{ }\rangle\langle/\text{mml:mi}\rangle\langle/\text{mml:mrow}\rangle\langle/\text{mml:math}\rangle$ nuclei within the nucleon pair approximation. Physical Review C, 2007, 76, .	1.1	38
18	Systematic calculations of low-lying states of even-even nuclei within the nucleon pair approximation. Physical Review C, 2007, 75, .	1.1	58

#	ARTICLE	IF	CITATIONS
19	NUCLEON PAIR APPROXIMATION OF THE SHELL MODEL: A BRIEF REVIEW. International Journal of Modern Physics E, 2008, 17, 233-244.	0.4	1
20	SD-PAIR SHELL MODEL FOR EVEN-EVEN SYSTEMS. International Journal of Modern Physics E, 2008, 17, 245-255.	0.4	1
21	SD-pair shell model study for Xe126 and Ba128. Physical Review C, 2008, 77, .	1.1	20
22	Low-lying states of heavy nuclei within the nucleon pair approximation. Physical Review C, 2009, 79, .	1.1	29
23	Validity of pair truncation of the nuclear shell model in Ca_{46} . Physical Review C, 2009, 80, .	1.1	19
24	Triaxiality in the SD-pair shell model. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 125107.	1.4	4
25	Quantum phase transitional patterns in the SD-pair shell model. Physical Review C, 2009, 80, .	1.1	23
26	A study of electromagnetic characteristics of $^{124,126,128,130,132,134,136}\text{Ba}$ isotopes performed in the framework of IBA. Physics of Atomic Nuclei, 2010, 73, 64-73.	0.1	6
27	SD-pair structure in the pair approximation of the nuclear shell model. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1460-1465.	2.0	4
28	Structure of the even-even $^{78-84}\text{Kr}$ isotopes within SD -pair shell model. Chinese Physics C, 2010, 34, 270-273.	1.5	2
29	Validity of pair truncations with effective interaction in Ca isotopes. Physical Review C, 2010, 82, .	1.1	27
30	Ground and gamma band energy systematics in even xenon and barium nuclei. Canadian Journal of Physics, 2010, 88, 201-209.	0.4	0
31	Low-lying structure of neutron-rich Zn and Ga isotopes. Physical Review C, 2011, 84, .	1.1	20
32	Search on Results of Ibm for Region between $^{120-150}\text{A}$: $^{120-128}\text{Te}$ and $^{122-134}\text{Xe}$ Nuclei. Mathematical and Computational Applications, 2011, 16, 467-476.	0.7	1
33	Studies of low-lying states of even-even Xe isotopes within the nucleon pair approximation. Science China: Physics, Mechanics and Astronomy, 2011, 54, 103-108.	2.0	7
34	The nucleon pair approximation (NPA) of the shell model. Science China: Physics, Mechanics and Astronomy, 2011, 54, 215-221.	2.0	1
35	Low-lying states of Hg isotopes within the nucleon pair approximation. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1461-1465.	2.0	3
36	Nuclear Data Sheets for $\text{A} = 127$. Nuclear Data Sheets, 2011, 112, 1647-1831.	0.7	69

#	ARTICLE		IF	CITATIONS
37	Validity of pair approximations for nuclei in open shells. Physical Review C, 2011, 84, .		1.1	11
38	Low-lying states of valence-hole nuclei in the ^{208}Pb region. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 045103.		1.4	16
39	$\hat{\beta}^3$ -UNSTABLE SPECTRUM IN THE SD-PAIR SHELL MODEL FOR IDENTICAL NUCLEON SYSTEM. International Journal of Modern Physics E, 2011, 20, 2229-2233.		0.4	0
40	<math display="block">\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} display="inline">\rangle \langle \text{mml:mrow}\rangle \langle \text{mml:mi}\rangle \text{B} \langle \text{mml:mi}\rangle \langle \text{mml:mo}\rangle (\langle \text{mml:mo}\rangle \langle \text{mml:mi}\rangle \text{E} \langle \text{mml:mi}\rangle \langle \text{mml:mn}\rangle \text{2} \langle \text{mml:mn}\rangle \langle \text{mml:mo}\rangle ; \langle \text{mml:math}\rangle \text{d}\langle \text{mml:math}\rangle \text{e} \langle \text{mml:math}\rangle \text{f} \langle \text{mml:math}\rangle \text{g}) of even-even Sn isotopes. Physical Review C, 2012, 86, .			
41	The Investigation of $^{130,132}\text{Te}$ by IBM-2. Mathematical and Computational Applications, 2012, 17, 48-55.		0.7	1
42	Nuclear structure of $^{130-136}\text{Ce}$ in IBM and DPPQ model. Nuclear Physics A, 2012, 882, 21-43.		0.6	11
43	$K\ell=8$ isomers of the $N=74$ isotones with the nucleon-pair approximation. Physical Review C, 2013, 87, .		1.1	9
44	Nucleon pair approximation description of the low-lying structure of $^{108,109}\text{Te}$ and ^{109}l . Physical Review C, 2013, 88, .		1.1	12
45	Comment on "Pair-truncated shell-model analysis of nuclei around mass ^{130}Ce ". Physical Review C, 2013, 87, .		1.1	0
46	Nucleon-pair approximation to the nuclear shell model. Physics Reports, 2014, 545, 1-45.		10.3	57
47	<math display="block">\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} display="block">\rangle \langle \text{mml:msup}\rangle \langle \text{mml:mrow}\rangle \langle \text{mml:mo}\rangle (\langle \text{mml:mo}\rangle \langle \text{mml:msub}\rangle \langle \text{mml:mi}\rangle \text{h} \langle \text{mml:math}\rangle \text{in neutron-rich} \langle \text{mml:math}\rangle \text{m}\langle \text{mml:math}\rangle \text{n})		1.1	7
48	Low-lying states of the $k=32$ multipoles with negative parity within the ^{132}Ba nucleus within the nucleon-pair approximation. Physical Review C, 2015, 92, .		1.1	9
49	Shape phase transition in the odd Sm nuclei: effective order parameter and odd-even effect. Chinese Physics C, 2015, 39, 104103.		1.5	2
50	Nucleon-pair states of even-even $N=82$ isotones. Physical Review C, 2016, 94, .		1.1	12
51	Nucleon-pair picture of low-lying states in semi-magic and open-shell nuclei. Physical Review C, 2019, 100, .		1.1	6
52	Variational approach for pair optimization in the nucleon pair approximation. Physical Review C, 2020, 102, .		1.1	5
53	Low-lying states of even-even $N=80$ isotones within the nucleon-pair approximation. Physical Review C, 2020, 101, .		1.1	4
54	Symmetric and asymmetric structural evolutions of Te isotopes across the $N = 82$ shell closure *. Chinese Physics C, 2021, 45, 094103.		1.5	2

#	ARTICLE	IF	CITATIONS
55	Quadrupole phonon excitations and transition probabilities for low-lying states of neutron-rich Cd isotopes. <i>Physical Review C</i> , 2021, 104, .	1.1	4
56	Exact sum rules with approximate ground states. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 105107.	1.4	3
57	SD-pair shell model: Vibrational and rotational limits in the interacting bosonâ€“fermion model for like-nucleon system. <i>International Journal of Modern Physics E</i> , 2020, 29, 2050088.	0.4	0
58	Description for N = 126 Isotones ^{210}Po and ^{212}Rn with Particle-Hole Excited Nucleon-Pair Approximation and Realistic Effective Interaction. <i>Symmetry</i> , 2022, 14, 181.	1.1	0
59	Nucleon-pair truncation of the shell model for medium-heavy nuclei. <i>Physical Review C</i> , 2022, 106, .	1.1	3
60	Investigation of nuclear structure for 130-136NCe nuclei within IBM-1 and DDM models framework. <i>ALP Conference Proceedings</i> , 2023, , .	0.3	0
61	Robustness of pair structures for nuclear yrast states. <i>Chinese Physics C</i> , 0, , .	1.5	0
62	-decay half-lives of the waiting-point isotones of and 82 nuclei. <i>Physical Review C</i> , 2023, 107, .	1.1	0