

$T=0$ and $T=1$ pairing in rotational states of the $N=Z$ nuclei

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#	ARTICLE	IF	CITATIONS
1	Spontaneous symmetry breaking in rotating nuclei. <i>Reviews of Modern Physics</i> , 2001, 73, 463-514.	16.4	502
2	Pairing correlations of nucleons and multi-nucleon transfer between heavy nuclei. <i>Reports on Progress in Physics</i> , 2001, 64, 1247-1337.	8.1	158
3	Transition from BCS pairing to Bose-Einstein condensation in low-density asymmetric nuclear matter. <i>Physical Review C</i> , 2001, 64, .	1.1	86
4	Delayed alignments in the $N=Z$ nuclei ^{84}Mo and ^{88}Ru . <i>Physical Review C</i> , 2002, 65, .	1.1	29
5	Testing mean-field models near the $N=Z$ line: β -ray spectroscopy of the $T_z=12$ nucleus ^{73}Kr . <i>Physical Review C</i> , 2002, 65, .	1.1	25
6	N-P pairing in nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 524, 81-86.	1.5	25
7	Collectivity and single-particle degrees of freedom. <i>European Physical Journal A</i> , 2003, 20, 45-46.	1.0	15
8	$n\text{-}p$ Pairing diagonal matrix elements: Wigner energy, symmetry energy and spectroscopy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 577, 47-53.	1.5	14
9	Effects of $n\text{-}p$ pairing on nuclear structure. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 553, 204-210.	1.5	11
10	$T=0$ neutron-proton pairing correlations in the superdeformed rotational bands around ^{60}Zn . <i>Physical Review C</i> , 2003, 67, .	1.1	14
11	Proton-neutron pairing in the deformed BCS approach. <i>Physical Review C</i> , 2003, 68, .	1.1	62
12	Unravelling the band crossings in ^{68}Se and ^{72}Kr : The quest for $T=0$ pairing. <i>Physical Review C</i> , 2003, 67, .	1.1	64
13	Local density approximation for proton-neutron pairing correlations: Formalism. <i>Physical Review C</i> , 2004, 69, .	1.1	182
14	High-spin behavior of multiple bands in the $N=Z+1$ nucleus ^{81}Zr : A possible probe of enhanced neutron-proton correlations. <i>Physical Review C</i> , 2004, 69, .	1.1	17
15	Neutron- ν Proton Pairing Effect on Some Even- ν Even Rare-Earth Proton-Rich Nuclei. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2004, 19, 187-190.	0.4	16
16	Neutron-proton pairing in rotating $N \approx \frac{1}{4} Z$ nuclei: dominance of the isovector component. <i>Nuclear Physics A</i> , 2004, 746, 575-578.	0.6	6
17	Symmetries in nuclear structure. <i>Nuclear Physics A</i> , 2005, 752, 203-212.	0.6	4
18	Relativistic Hartree-Bogoliubov theory: static and dynamic aspects of exotic nuclear structure. <i>Physics Reports</i> , 2005, 409, 101-259.	10.3	939

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19	Unfolding the effects of the $T=0$ and $T=1$ parts of the two-body interaction on nuclear collectivity in the f -p shell. Physical Review C, 2005, 72, .	1.1	6
20	Mean-field description of high-spin states. Reports on Progress in Physics, 2005, 68, 131-200.	8.1	64
21	Description of rotating $N=Z$ nuclei in terms of isovector pairing. Physical Review C, 2005, 71, .	1.1	57
22	HIGH-SPIN STRUCTURES AS THE PROBES OF PROTON-NEUTRON PAIRING. International Journal of Modern Physics E, 2007, 16, 275-288.	0.4	3
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24	$n\bar{p}$ Pairing, Wigner Energy, and Shell Gaps. Physical Review Letters, 2007, 99, 082501.	2.9	16
25	Temperature-dependent particle-number projected moment of inertia. Physical Review C, 2008, 77, .	1.1	18
26	NEUTRON-PROTON ISOVECTOR PAIRING EFFECT ON THE NUCLEAR MOMENT OF INERTIA. International Journal of Modern Physics E, 2008, 17, 655-667.	0.4	26
27	PARTICLE-NUMBER PROJECTED TWO-PROTON SEPARATION ENERGY OF THE PROTON-RICH EVEN-EVEN RARE-EARTH NUCLEI USING AN ISOVECTOR PAIRING APPROACH. International Journal of Modern Physics E, 2009, 18, 141-160.	0.4	22
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30	ISOVECTOR PAIRING EFFECT ON NUCLEAR MOMENT OF INERTIA AT FINITE TEMPERATURE IN $N = Z$ EVEN-EVEN SYSTEMS. International Journal of Modern Physics E, 2011, 20, 1947-1959.	0.4	16
31	Double binding energy differences: Mean-field or pairing effect?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 436-440.	1.5	21
32	Isoscalar and Isovector Neutron-Proton Pairing. , 2013, , 138-153.		5
33	Competition between $T=0$ and $T=1$ pairing in $N=Z$ nuclei. Physical Review Letters, 2013, 111, 082501.	1.1	25
34	Mixing of parity of a nucleon pair at the nuclear surface due to the spin-orbit potential in $N=Z$ nuclei. Physical Review C, 2014, 90, .	1.1	7
35	Overview of neutron-proton pairing. Progress in Particle and Nuclear Physics, 2014, 78, 24-90.	5.6	155
36	Charge, proton and neutron systems and matter radii of $N \neq Z$ odd-mass nuclei using a particle-number projection approach in the $T = 1$ pairing case. International Journal of Modern Physics E, 2016, 25, 1650108.	0.4	4
37	Moment of inertia of even-even proton-rich nuclei using a particle-number conserving approach in the isovector neutron-proton pairing case. International Journal of Modern Physics E, 2016, 25, 1650032.	0.4	6

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38	Probing mixed-spin pairing in heavy nuclei. Physical Review C, 2016, 93, .	1.1	10
39	Empirical residual neutron-proton interaction in odd-odd nuclei. Physical Review C, 2016, 93, .	1.1	18
40	Determination of the pairing-strength constants in the isovector plus isoscalar pairing case. International Journal of Modern Physics E, 2016, 25, 1650035.	0.4	4
41	$N=Z$ nuclei: a laboratory for neutron-proton collective mode. Physica Scripta, 2016, 91, 013009.	1.2	26
42	Number-projected nuclear moment of inertia in the isovector pairing case within the Richardson model. AIP Conference Proceedings, 2017, , .	0.3	1
43	Neutron-proton pairing and particle-number fluctuation effects on the moment of inertia of even-even proton-rich nuclei. AIP Conference Proceedings, 2018, , .	0.3	0
44	Isovector and isoscalar proton-neutron pairing in $N=Z$ nuclei. Physical Review C, 2018, 98, .	0.1	0
45	Investigation of isospin-triplet and isospin-singlet pairing in the $A=10$ nuclei B_{10} , Be_{10} , and C_{10} with an extension of the Tohsaki-Horiuchi-Schuck-Röpke wave function. Physical Review C, 2019, 100, .	1.1	7
46	Toward the limit of nuclear binding on the $N=Z$ line: Spectroscopy of Cd_{96} . Physical Review C, 2019, 99, .	1.1	9
47	Isospin Properties of Nuclear Pair Correlations from the Level Structure of the Self-Conjugate Nucleus ^{88}Ru . Physical Review Letters, 2019, 123, 152501.	2.9	24
48	Establishing the Maximum Collectivity in Highly Deformed $N=Z$ Nuclei. Physical Review Letters, 2020, 124, 152501.	2.9	20
49	On the vibrational model of ^{92}Pd and comparison with ^{48}Cr . International Journal of Modern Physics E, 2021, 30, 2150047.	0.4	1
50	Energy levels and branching ratios for Zr-80 (Zirconium-80). Landolt-Börnstein - Group I Elementary Particles, Nuclei and Atoms, 2008, , 433-433.	0.2	0
51	Excited Nuclear States for Zr-80 (Zirconium). Landolt-Börnstein - Group I Elementary Particles, Nuclei and Atoms, 2012, , 2304-2305.	0.2	0
52	Proton-neutron pairing and binding energies of nuclei close to the $N=Z$ line. Physical Review C, 2022, 105, .	1.1	1
53	Band-like structures and quartets in deformed $N=Z$ nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 136987.	1.5	4