N Dinh Dang

List of Publications by Year
in descending order

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49 papers	746 citations	471509 17 h-index	580821 25 g-index
50 all docs	50 docs citations	50 times ranked	253 citing authors

#	Article	IF	Citations
1	Ground-state correlations beyond RPA. Nuclear Physics A, 1994, 579, 1-12.	1.5	90
2	Simultaneous Microscopic Description of Nuclear Level Density and Radiative Strength Function. Physical Review Letters, 2017, 118, 022502.	7.8	41
3	Improved treatment of ground-state correlations:â€,Modified random phase approximation. Physical Review C, 2001, 64, .	2.9	36
4	Finite temperature projected calculations in the static path approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 297, 9-13.	4.1	34
5	Lipkin-Nogami method at finite temperature in the static-path approximation. Physical Review C, 1993, 47, 606-611.	2.9	33
6	Influence of the superfluid pairing interaction on collective states in the finite-temperature random phase approximation. Journal of Physics G: Nuclear Physics, 1985, 11, L125-L133.	0.8	30
7	Thermal quasiparticle correlations and continuum coupling in nuclei far from stability. Physical Review C, 2003, 67, .	2.9	28
8	Pairing within the self-consistent quasiparticle random-phase approximation at finite temperature. Physical Review C, 2008, 77, .	2.9	27
9	Probing the critical behavior in the evolution of GDR width at very low temperatures in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>A</mml:mi><mml:mo>â^¼</mml:mo><mml:mn>100</mml:mn></mml:math> mass region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 92-96.	4.1	25
10	Exact and approximate ensemble treatments of thermal pairing in a multilevel model. Physical Review C, 2009, 79, .	2.9	24
11	Pairing in hot rotating nuclei. Physical Review C, 2008, 78, .	2.9	21
12	S-shaped heat capacity in an oddâ€“odd deformed nucleus. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 634-638.	4.1	21
13	Giant dipole resonance in hot rotating nuclei. European Physical Journal A, 2016, 52, 1.	2.5	20
14	Variational approach to collective excitations. Physical Review C, 1999, 59, 1422-1431.	2.9	19
15	Pairing reentrance in hot rotating nuclei. Physical Review C, 2011, 84, .	2.9	18
16	Level density and thermodynamics in the hot rotating <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tc</mml:mi><mml:mprescripts /><mml:none /><mml:mn>96</mml:mn></mml:mmultiscripts></mml:math> nucleus. Physical Review C, 2017, 96, .	2.9	18
17	Canonical and microcanonical ensemble descriptions of thermal pairing within BCS and quasiparticle random-phase approximation. Physical Review C, 2010, 81, .	2.9	17
18	Self-consistent quasiparticle random-phase approximation for a multilevel pairing model. Physical Review C, 2007, 76, .	2.9	15

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19	Thermodynamic properties of hot nuclei within the self-consistent quasiparticle random-phase approximation. Physical Review C, 2010, 82, .	2.9	15
20	Giant dipole resonance built on hot rotating nuclei produced during evaporation of light particles from theMo88compound nucleus. Physical Review C, 2015, 91, .	2.9	15
21	Pairing in excited nuclei: a review. Reports on Progress in Physics, 2019, 82, 056301.	20.1	15
22	Extended renormalized random phase approximation. Physical Review C, 2000, 62, .	2.9	13
23	Damping of giant dipole resonances in hot rotating nuclei. Physical Review C, 2012, 85, .	2.9	13
24	Giant dipole resonance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>201</mml:mn></mml:msup></mml:math>Tl at low temperature. Physical Review C, 2012, 86, .	2.9	13
25	Statistical analysis of the hot giant dipole resonance with the phonon damping model. Physical Review C, 2000, 61, .	2.9	12
26	Effects of thermal shape fluctuations and pairing fluctuations on the giant dipole resonance in warm nuclei. Physical Review C, 2015, 91, .	2.9	12
27	Testing the constant-temperature approach for the nuclear level density. Physical Review C, 2017, 96, .	2.9	12
28	Improved treatment of blocking effect at finite temperature. Physical Review C, 2016, 94, .	2.9	11
29	Pairing effect in the thermal shape-fluctuation model on the width of the giant dipole resonance. Physical Review C, 2014, 90, .	2.9	10
30	Study of giant dipole resonance in hot rotating light mass nucleus 31P. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 423-428.	4.1	10
31	Giant dipole resonance in88Mo from phonon damping model strength functions averaged over temperature and angular momentum distributions. Physical Review C, 2013, 87, .	2.9	9
32	Experimental investigation on the temperature dependence of the nuclear level density parameter. Physical Review C, 2015, 91, .	2.9	9
33	A fully microscopic model of total level density in spherical nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135858.	4.1	9
34	Energies of the ground state and first excited 0+ state in an exactly solvable pairing model. European Physical Journal A, 2003, 16, 181-191.	2.5	7
35	On the importance of using exact pairing in the study of pygmy dipole resonance. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 105103.	3.6	7
36	Bubble nuclei within the self-consistent Hartree-Fock mean field plus pairing approach. Physical Review C, 2018, 97, .	2.9	5

#	Article	IF	Citations
37	Giant dipole resonance and shape transitions in hot and rotating Mo88. Physical Review C, 2017, 96, .	2.9	4
38	Exotic nuclear shape due to cluster formation at high angular momentum. Physical Review C, 2020, 102, .	2.9	4
39	Chemical potential beyond the quasiparticle mean field. Physical Review C, 2010, 81, .	2.9	3
40	Effective restoration of dipole sum rules within the renormalized random-phase approximation. Physical Review C, 2016, 94, .	2.9	3
41	Proton entropy excess and possible signature of pairing reentrance in hot nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136445.	4.1	3
42	Pairing Reentrance in Warm Rotating ^{104}Pd Nucleus. Acta Physica Polonica B, Proceedings Supplement, 2015, 8, 551.	0.1	3
43	Role of exact treatment of thermal pairing in radiative strength functions of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Dy</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>161</mml:mn><mml:mo>â€“</mml:mo><mml:mn>163</mml:mn></mml:mrow></mml:mmultiscripts></m nuclei. Physical Review C, 2020, 102, .	2.9	2
44	Reentrance phenomenon of superfluid pairing in hot rotating nuclei. Journal of Physics: Conference Series, 2015, 627, 012006.	0.4	1
45	Nuclear pairing at finite temperature and angular momentum. , 2009, , .		0
46	Thermal nuclear pairing within the self-consistent quasiparticle RPA. Journal of Physics: Conference Series, 2011, 267, 012049.	0.4	0
47	Specific shear viscosity in hot rotating systems of paired fermions. Physical Review C, 2012, 86, .	2.9	0
48	Role of exact pairing in the description of nuclear level density and radiative strength function. Journal of Physics: Conference Series, 2018, 966, 012054.	0.4	0
49	Renormalizing random-phase approximation by using exact pairing. Physical Review C, 2019, 99, .	2.9	0