Qibo Chen

List of Publications by Year in descending order

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80 papers	1,285 citations	331670 21 h-index	395702 33 g-index
82 all docs	82 docs citations	82 times ranked	467 citing authors

#	Article	IF	Citations
1	Lambda binding energies in the Skyrme-Hartree-Fock approach with various $$Lambda N$$ interactions. European Physical Journal A, 2022, 58, 1.	2.5	2
2	Effects of Î› hyperons on the deformations of evenâ€“even nuclei *. Chinese Physics C, 2022, 46, 064109.	3.7	5
3	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">Î›</mml:mi><mml:mi mathvariant="normal">Î›</mml:mi></mml:mrow></mml:math> pairing effects in spherical and deformed multi- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Λ</mml:mi></mml:math> hypernuclei. Physical Review C, 2022, 105, .	2.9	4
4	First observation of the coexistence of multiple chiral doublet bands and pseudospin doublet bands in the Aâ€¯â‰ˆâ€¯80 mass region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 827, 137006.	4.1	12
5	Single-particle and dipole excitations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Co</mml:mi><mml:mprescripts /><mml:none /><mml:mn>62</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2022, 105, .	2.9	5
6	Evolution of the chiral rotation mode in rhodium isotopes. Physical Review C, 2022, 105, .	2.9	2
7	Interpretation of enhanced electric dipole transitions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Br</mml:mi><mml:mprescripts /><mml:none /><mml:mn>73</mml:mn></mml:mmultiscripts></mml:math> by the reflection-asymmetric triaxial particle rotor model. Physical Review C, 2022, 105, .	2.9	4
8	Study of wobbling modes by means of spin coherent state maps. European Physical Journal A, 2022, 58, 1.	2.5	9
9	Single-particle and collective excitations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Zn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>66</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2022, 105, .	2.9	1
10	Pseudospin-doublet bands and Gallagher Moszkowski doublet bands in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Y</mml:mi><mml:mprescripts /><mml:none /><mml:mn>100</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2021, 103, .	2.9	3
11	Influence of triaxial deformation on wobbling motion in evenâ€“even nuclei. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 055102.	3.6	9
12	g-Factor and static quadrupole moment of ^{135}Pr, ^{105}Pd, and ^{187}Au in wobbling motion. European Physical Journal A, 2021, 57, 1.	2.5	7
13	Effects of the Tensor Force on the Ground Properties of Zr Isotopes. Symmetry, 2021, 13, 2193.	2.2	2
14	Evidence of octupole correlation in Se79. Physical Review C, 2021, 104, .	2.9	5
15	Possible existence of multiple wobbling modes in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mo>â‰ˆ</mml:mo><mml:mn>60</mml:mn></mml:mrow></mml:math> nuclei. Physical Review C, 2021, 104, .	2.9	4
16	Pseudospin partner bands in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ba</mml:mi><mml:mprescripts /><mml:none /><mml:mn>130</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	4
17	Prolate-to-oblate transition and backbending along the yrast line induced by quasiparticle alignment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135620.	4.1	0
18	Triaxiality-related nuclear phenomena in the A â‰ˆ 100 mass region. Journal of Physics: Conference Series, 2020, 1555, 012025.	0.4	0

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19	g-factor and static quadrupole moment for the wobbling mode in 133La. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135596.	4.1	13
20	Static quadrupole moments of nuclear chiral doublet bands. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135568.	4.1	7
21	First Observation of Multiple Transverse Wobbling Bands of Different Kinds in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Au</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>183</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2020, 125, 132501.	7.8	30
22	Multiple chiral bands in ^{137}Nd. European Physical Journal A, 2020, 56, 1.	2.5	10
23	Covariant density functional theory for nuclear chirality in 135Nd. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 810, 135795.	4.1	7
24	Novel Excitation Modes in Nuclei: Experimental and Theoretical Investigation on Multiple Chiral Doublets. Nuclear Physics News, 2020, 30, 11-15.	0.4	8
25	Coexistence of planar and aplanar rotations in 195Tl. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135489.	4.1	9
26	Longitudinal Wobbling Motion in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Au</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>187</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2020, 124, 052501.	7.8	37
27	Chirality of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Nd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>135</mml:mn></mml:mmultiscripts></mml:math> reexamined: Evidence for multiple chiral doublet bands. Physical Review C, 2019, 100, .	2.9	19
28	Structure of odd- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math> Pt isotopes along the line of stability. Physical Review C, 2019, 100, .	2.9	3
29	â€œStaplerâ€•mechanism for a dipole band in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Se</mml:mi><mml:mprescripts /><mml:none /><mml:mn>79</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 100, .	2.9	6
30	Behavior of the collective rotor in nuclear chiral motion. Physical Review C, 2019, 99, .	2.9	14
31	Diversity of shapes and rotations in the Î³-soft 130Ba nucleus: First observation of a t-band in the Aâ€¯=â€¯130 mass region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 241-247.	4.1	22
32	Possible chiral doublets in 60Ni. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 303-307.	4.1	13
33	Microscopic resolution of the nuclear chiral conundrum with crossing twin bands in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ag</mml:mi><mml:mprescripts /><mml:none /><mml:mn>106</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 99, .	2.9	10
34	Two-phonon wobbling in 135Pr. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 170-174.	4.1	43
35	Experimental Evidence for Transverse Wobbling in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Pd</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>105</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2019, 122, 062501.	7.8	46
36	Transverse wobbling in an even-even nucleus. Physical Review C, 2019, 100, .	2.9	25

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37	Identification of high- K rotation in Ba130 : Testing the consistency of electromagnetic observables. Physical Review C, 2019, 99, .	2.9	8
38	Low-lying states in even Gd isotopes studied with five-dimensional collective Hamiltonian based on covariant density functional theory. European Physical Journal A, 2018, 54, 1.	2.5	3
39	First Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>g</mml:mi></mml:math> Factor in the Chiral Band: The Case of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Cs</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>128</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Isotope.	7.8	19
40	Three-level mixing model for nuclear chiral rotation: Role of the planar component. Physical Review C, 2018, 97, .	2.9	9
41	Shell-model-like approach based on cranking covariant density functional theory: Band crossing and shape evolution in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Fe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>60</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2018, 97, .	2.9	24
42	Behavior of the collective rotor in wobbling motion. Physical Review C, 2018, 98, .	2.9	34
43	Two-dimensional collective Hamiltonian for chiral and wobbling modes. II. Electromagnetic transitions. Physical Review C, 2018, 98, .	2.9	10
44	Reexamining nuclear chiral geometry from the orientation of the angular momentum. Physical Review C, 2018, 98, .	2.9	19
45	Exploring nuclear multiple chirality in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mo>â‰ˆ</mml:mo><mml:mn>60</mml:mn></mml:mrow></mml:math> mass region within covariant density functional theory. Physical Review C, 2018, 98, .	2.9	10
46	Effective field theory for collective rotations and vibrations of triaxially deformed nuclei. Physical Review C, 2018, 97, .	2.9	4
47	Multiple chiral doublets in four-j shells particle rotor model: Five possible chiral doublets in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msubsup><mml:mrow /><mml:mrow><mml:mspace width="0.25em" /><mml:mn>60</mml:mn></mml:mrow><mml:mrow><mml:mn>136</mml:mn></mml:mrow></mml:msubsup></mml:math>Nd76. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 744-749.	4.1	42
48	Multiple Chiral Doublet Bands and Possible Transverse Wobbling Near ^{104}Rh. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 179.	0.1	0
49	Observation of a novel stapler band in 75 As. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 107-111.	4.1	7
50	Î²-decay study of neutron-rich nucleus 34Al. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	1
51	Northern boundary of the â€œisland of inversionâ€• and triaxiality in 34 Si. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 529-533.	4.1	20
52	Effective field theory for triaxially deformed nuclei. European Physical Journal A, 2017, 53, 1.	2.5	12
53	Chiral geometry in symmetry-restored states: Chiral doublet bands in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow /><mml:mn mathvariant="bold">128</mml:mn></mml:msup><mml:mi mathvariant="bold">Cs</mml:mi></mml:mrow></mml:math>. Physical Review C, 2017, 96, .	2.9	37
54	Collective Hamiltonian for Chiral and Wobbling Modes: From One- to Two-dimensional. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 27.	0.1	0

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55	Pseudo Spin Doublet Bands and Gallagher Moszkowski Doublet Bands in 100Y. , 2017, , .		0
56	Triaxial-band structures, chirality, and magnetic rotation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mtext>La</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>133</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2016, 94, .	2.9	25
57	Wobbling motion in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pr</mml:mi><mml:mprescripts /><mml:none /><mml:mn>135</mml:mn></mml:mmultiscripts></mml:math> within a collective Spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Yb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>155</mml:mn></mml:mmultiscripts></mml:math>: Structure evolution in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>85</mml:mn></mml:m Lifetime measurements in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Re</mml:mi><mml:mprescripts /><mml:none /><mml:mn>166</mml:mn></mml:mmultiscripts></mml:math>: Collective versus magnetic rotation. Physical Review C, 2016, 93, . Tidal wave in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>102</mml:mn></mml:mmultiscripts></mml:math>: An extended five-dimensional collective Hamiltonian description. Physical Review C, 2016, 93, .	2.9	14
58		2.9	2
59		2.9	2
60		2.9	8
61	Evidence for Octupole Correlations in Multiple Chiral Doublet Bands. Physical Review Letters, 2016, 116, 112501.	7.8	86
62	Two-dimensional collective Hamiltonian for chiral and wobbling modes. Physical Review C, 2016, 94, .	2.9	32
63	Chiral geometry in multiple chiral doublet bands. Chinese Physics C, 2016, 40, 024102.	3.7	9
64	Collective model of chiral and wobbling modes in nuclei. Scientia Sinica: Physica, Mechanica Et Astronomica, 2016, 46, 012013.	0.4	1
65	COLLECTIVE HAMILTONIAN FOR CHIRAL AND WOBBLING MODES. , 2016, , .		0
66	Spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Se</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>76</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Prolate-to-oblate shape transition. Physical Review C, 2015, 91, .	2.9	8
67	High spin spectroscopy and shape coexistence in As73. Physical Review C, 2015, 92, .	2.9	9
68	Wobbling geometry in a simple triaxial rotor. Chinese Physics C, 2015, 39, 054105.	3.7	11
69	Collective Hamiltonian and Its Applications for Chiral and Wobbling Modes. Acta Physica Polonica B, Proceedings Supplement, 2015, 8, 545.	0.1	2
70	Studies of chirality in the mass 80, 100 and 190 regions. International Journal of Modern Physics E, 2014, 23, 1461001.	1.0	30
71	Chirality in atomic nuclei: 2013. International Journal of Modern Physics E, 2014, 23, 1430016.	1.0	26
72	Chirality in atomic nuclei: 2013. , 2014, , .		0

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73	Resolution of Chiral Conundrum in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ag</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>106</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>: Doppler-Shift Lifetime Investigation. Physical Review Letters, 2014, 112, .	7.8	58
74	Collective Hamiltonian for wobbling modes. Physical Review C, 2014, 90, .	2.9	27
75	Multiple Chiral Doublet Bands of Identical Configuration in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Rh</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>103</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2014, 113, 032501.	7.8	81
76	Spectroscopy of 74Ge: From soft to rigid triaxiality. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 734, 308-313.	4.1	33
77	Studies of chirality in the MASS 80, 100 and 190 regions. , 2014, , .		0
78	Collective Hamiltonian for chiral modes. Physical Review C, 2013, 87, .	2.9	43
79	Evidence for Multiple Chiral Doublet Bands in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ce</mml:mi><mml:mprescripts /><mml:none /><mml:mn>133</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2013, 110, 172504.	7.8	88
80	Chiral geometry of higher excited bands in triaxial nuclei with particle-hole configuration. Physical Review C, 2010, 82, .	2.9	25