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	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
2	Evidence for Octupole Correlations in Multiple Chiral Doublet Bands. Physical Review Letters, 2016, 116, 112501.	7.8	86
3	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>.	7.8	81
4	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 Investigations. Physical Review Letters, 2014, 112, .	7.8	58
5	Chiral Doublet Bands 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
6	Collective Hamiltonian for chiral modes. Physical Review C, 2013, 87, .	2.9	43
7	Two-phonon wobbling in 135Pr. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 170-174.	4.1	43
8	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
9	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
10	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
11	Behavior of the collective rotor in wobbling motion. Physical Review C, 2018, 98, .	2.9	34
12	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
13	Two-dimensional collective Hamiltonian for chiral and wobbling modes. Physical Review C, 2016, 94, .	2.9	32
14	Studies of chirality in the mass 80, 100 and 190 regions. International Journal of Modern Physics E, 2014, 23, 1461001.	1.0	30
15	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
16	Collective Hamiltonian for wobbling modes. Physical Review C, 2014, 90, .	2.9	27
17	Chirality in atomic nuclei: 2013. International Journal of Modern Physics E, 2014, 23, 1430016.	1.0	26
18	Chiral geometry of higher excited bands in triaxial nuclei with particle-hole configuration. Physical Review C, 2010, 82, .	2.9	25

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19	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
20	Transverse wobbling in an even-even nucleus. Physical Review C, 2019, 100, .	2.9	25
21	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
22	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
23	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
24	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> Is	7.8	19
25	Reexamining nuclear chiral geometry from the orientation of the angular momentum. Physical Review C, 2018, 98, .	2.9	19
26	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
27	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	16
28	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 Hamiltonian. Physical Review C, 2016, 94, .	2.9	14
29	Behavior of the collective rotor in nuclear chiral motion. Physical Review C, 2019, 99, .	2.9	14
30	Possible chiral doublets in 60Ni. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 303-307.	4.1	13
31	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
32	Effective field theory for triaxially deformed nuclei. European Physical Journal A, 2017, 53, 1.	2.5	12
33	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
34	Wobbling geometry in a simple triaxial rotor. Chinese Physics C, 2015, 39, 054105.	3.7	11
35	Two-dimensional collective Hamiltonian for chiral and wobbling modes. II. Electromagnetic transitions. Physical Review C, 2018, 98, .	2.9	10
36	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

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37	Multiple chiral bands in ^{137}Nd. European Physical Journal A, 2020, 56, 1.	2.5	10
38	High spin spectroscopy and shape coexistence inAs73. Physical Review C, 2015, 92, .	2.9	9
39	Chiral geometry in multiple chiral doublet bands. Chinese Physics C, 2016, 40, 024102.	3.7	9
40	Three-level mixing model for nuclear chiral rotation: Role of the planar component. Physical Review C, 2018, 97, .	2.9	9
41	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
42	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
43	Study of wobbling modes by means of spin coherent state maps. European Physical Journal A, 2022, 58, 1.	2.5	9
44	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
45	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	8
46	Identification of high- K rotation in Ba130 : Testing the consistency of electromagnetic observables. Physical Review C, 2019, 99, .	2.9	8
47	Novel Excitation Modes in Nuclei: Experimental and Theoretical Investigation on Multiple Chiral Doublets. Nuclear Physics News, 2020, 30, 11-15.	0.4	8
48	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
49	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
50	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
51	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
52	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
53	Evidence of octupole correlation in Se79. Physical Review C, 2021, 104, .	2.9	5
54	Effects of Î› hyperons on the deformations of evenâ€“even nuclei *. Chinese Physics C, 2022, 46, 064109.	3.7	5

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55	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
56	Effective field theory for collective rotations and vibrations of triaxially deformed nuclei. Physical Review C, 2018, 97, .	2.9	4
57	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
58	<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">Î</mml:mi></mml:math> hyperisotopes. Physical Review C, 2022, 105, .	2.9	4
59	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> nuclei. Physical Review C, 2021, 104, .	2.9	4
60	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
61	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
62	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
63	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>103</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2021, 103, .	2.9	3
64	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>	2.9	2
65	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, .	2.9	2
66	Collective Hamiltonian and Its Applications for Chiral and Wobbling Modes. Acta Physica Polonica B, Proceedings Supplement, 2015, 8, 545.	0.1	2
67	Effects of the Tensor Force on the Ground Properties of Zr Isotopes. Symmetry, 2021, 13, 2193.	2.2	2
68	Lambda binding energies in the Skyrme-Hartree-Fock approach with various $$Lambda N$$ interactions. European Physical Journal A, 2022, 58, 1.	2.5	2
69	Evolution of the chiral rotation mode in rhodium isotopes. Physical Review C, 2022, 105, .	2.9	2
70	Î²-decay study of neutron-rich nucleus 34Al. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	1
71	Collective model of chiral and wobbling modes in nuclei. Scientia Sinica: Physica, Mechanica Et Astronomica, 2016, 46, 012013.	0.4	1
72	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

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73	Chirality in atomic nuclei: 2013. , 2014, , .		0
74	Studies of chirality in the MASS 80, 100 and 190 regions. , 2014, , .		0
75	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
76	Triaxiality-related nuclear phenomena in the A â‰ˆ 100 mass region. Journal of Physics: Conference Series, 2020, 1555, 012025.	0.4	0
77	COLLECTIVE HAMILTONIAN FOR CHIRAL AND WOBBLING MODES. , 2016, , .		0
78	Collective Hamiltonian for Chiral and Wobbling Modes: From One- to Two-dimensional. Acta Physica Polonica B, Proceedings Supplement, 2017, 10, 27.	0.1	0
79	Pseudo Spin Doublet Bands and Gallagher Moszkowski Doublet Bands in 100Y. , 2017, , .		0
80	Multiple Chiral Doublet Bands and Possible Transverse Wobbling Near ^{104}Rh. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 179.	0.1	0