Wei Chen

List of Publications by Year
in descending order

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59 papers	3,566 citations	218592 26 h-index	138417 58 g-index
59 all docs	59 docs citations	59 times ranked	1257 citing authors

#	Article	IF	Citations
1	The hidden-charm pentaquark and tetraquark states. Physics Reports, 2016, 639, 1-121.	10.3	910
2	Pentaquark and Tetraquark States. Progress in Particle and Nuclear Physics, 2019, 107, 237-320.	5.6	465
3	A review of the open charm and open bottom systems. Reports on Progress in Physics, 2017, 80, 076201.	8.1	283
4	Towards Exotic Hidden-Charm Pentaquarks in QCD. Physical Review Letters, 2015, 115, 172001.	2.9	177
5	Vector and axial-vector charmoniumlike states. Physical Review D, 2011, 83, .	1.6	126
6	Hunting for exotic doubly hidden-charm/bottom tetraquark states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 247-251.	1.5	115
7	Possible interpretations of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>P</mml:mi><mml:mi>c</mml:mi></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mn>4312</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (stretchy="fal xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>P</mml:mi><mml:mi>c</mml:mi></mml:msub><mml:mo stretchy="	1.6	95
8	Establishing the first hidden-charm pentaquark with strangeness. European Physical Journal C, 2021, 81, 1.	1.4	95
9	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>P</mml:mi></mml:math>-wave charmed baryons from QCD sum rules. Physical Review D, 2015, 91, .	1.6	92
10	Decay properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>P</mml:mi></mml:mrow></mml:math> -wave charmed baryons from light-cone QCD sum rules. Physical Review D, 2017, 95, .	1.6	89
11	… MathML" display="inline"><mml:mi>Q</mml:mi><mml:mi>Q</mml:mi><mml:mover accent="true"><mml:mi>q</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mover accent="true"><mml:mi>q</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi><mml:mi>Q</mml:mi><mml:mover accent="true"><mml:mi>q</mm	1.6	75
12	QCD sum rule calculation for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>P</mml:mi></mml:math>-wave bottom baryons. Physical Review D, 2015, 92, .	1.6	66
13	X₀(2900) and X₁(2900): Hadronic Molecules or Compact Tetraquarks. Chinese Physics Letters, 2020, 37, 101201.	1.3	59
14	Strong decays of fully-charm tetraquarks into di-charmonia. Science Bulletin, 2020, 65, 1994-2000.	4.3	56
15	QCD sum rule study of hidden-charm pentaquarks. European Physical Journal C, 2016, 76, 1.	1.4	53
16	Decoding the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>5568</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (stretchy="false">)</m xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi><mml:mi>u</mml:mi><mml:mover accent="true"><m	2.9	50
17	Establishing low-lying doubly charmed baryons. Physical Review D, 2017, 96, .	1.6	45
18	Understanding the internal structures of X(4140), X(4274), X(4500) and X(4700). European Physical Journal C, 2017, 77, 1.	1.4	45

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19	Mass spectra of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Z</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" … </mml:msub></mml:math>exotic	1.6	43
20	Exotic open-flavor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>b</mml:mi><mml:mi>c</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi>q</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover><mml:mover accent="true"><mml:mrow><mml:mi>q</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover></mml:mrow></mml:math>,<mml:math xmlns …	1.6	41
21	QCD sum rule study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mi>d</mml:mi><mml:mo>*</mml:mo></mml … Physical Review C, 2015, 91, .	1.1	40
22	QCD sum-rule interpretation ofX(3872)withJPC=1++mixtures of hybrid charmonium andDÂ¯D*molecular currents. Physical Review D, 2013, 88, .	1.6	34
23	$$D^*ar{D}^*$$ D â^— D Â¯ â^— molecule interpretation of $$Z_c(4025)$$ Z c (4025). European Physical Journal C, 2014, 74, 1.	1.4	30
24	$$Z_c(4200)^+$$ Z c (4200) + decay width as a charmonium-like tetraquark state. European Physical Journal C, 2015, 75, 1.	1.4	29
25	Exotic molecular states and tetraquark states with J^P =0⁺, 1⁺, 2⁺ *. Chinese Physics C, 2021, 45, 093102.	1.5	28
26	PossibleJPC=0--charmoniumlike state. Physical Review D, 2010, 81, .	1.6	26
27	Mass spectrum of heavy quarkonium hybrids. Journal of High Energy Physics, 2013, 2013, 1.	1.6	26
28	Mass spectra for qcqÂ¯cÂ¯ , scsÂ¯cÂ¯ , qbqÂ¯bÂ¯ , sbsÂ¯bÂ¯ tetraquark states with JPC=0++ and 2++. Physical Review D, 2017, 96, .	1.6	25
29	Open-flavor charm and bottom<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi><mml:mi>q</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi>q</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover><mml:mover accent="true"><mml:mrow><mml:mi>Q</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover></mml:mrow></mml:math>and<mml:math xml …	1.6	25
30	Masses of the tensor mesons with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi>J</mml:mi></mml:mrow><mml:mrow><mml:mi>P</mml:mi></mml:mrow></mml … Nuclear Physics B, 2014, 887, 201-215.	0.9	21
31	Suggested search for doubly charmed baryons of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>J</mml:mi><mml:mi>P</mml:mi></mml:msup><mml:mo>=</mml:mo><mml:mn>3</mml:mn … stretchy="false">/</mml:mo><mml:msup><mml:mn>2</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math> via their electromagnetic transitions. Physical Review D, 2018, 97, .	1.6	19
32	Possible<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>J</mml:mi><mml:mrow><mml:mi>P</mml:mi><mml:mi>C</mml:mi></mml:mrow></mml:msup … state. Physical Review D, 2009, 79, .	1.6	18
33	a1(1420)resonance as a tetraquark state and its isospin partner. Physical Review D, 2015, 91, .	1.6	18
34	QCD sum rule studies of $$s s {ar{s}} {ar{s}}$$ s s s Â¯ s. European Physical Journal C, 2019, 79, 1.	1.4	18
35	Masses of the bottom-charm hybrid $ar{b}Gc$ states. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 025003.	1.4	14
36	Investigation of the light four-quark states with exotic JPC=0â^'â^'. Physical Review D, 2017, 95, .	1.6	14

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37	Doubly hidden-charm/bottom QQQQ tetraquark states. EPJ Web of Conferences, 2018, 182, 02028.	0.1	14
38	Settling the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Z</mml:mi><mml:mi>c</mml:mi></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mn>4600</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697 Td (stretchy="false">)</m 2019, 99, .	1.6	14
39	Newly observed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>a</mml:mi><mml:mn>0</mml:mn></mml:msub><mml:mo stretchy="false">(</mml:mo><mml:mn>1817</mml:mn><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 657 Td (stretchy="fa spectroscopy. Physical Review D, 2022, 105, .	1.6	14
40	Mass calculations of light quarkonium, exotic JPC=0+â^' hybrid mesons from Gaussian sum rules. Physical Review D, 2018, 98, .	1.6	13
41	Triply heavy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Q</mml:mi><mml:mi>Q</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi>Q</mml:mi></mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover><mml:mover accent="true"><mml:mrow><mml:mi>q</mml:mi></mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover></mml:mrow></mml:math> tetraquark states.	1.6	12
42	Possible J PC =0 +â^' exotic states. Chinese Physics C, 2013, 37, 033104.	1.5	11
43	Revisiting hidden-charm pentaquarks from QCD sum rules. Chinese Physics C, 2019, 43, 034104.	1.5	11
44	Toward the existence of the odderon as a three-gluon bound state. Physical Review D, 2021, 103, .	1.6	11
45	Investigation of the stability for fully-heavy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>b</mml:mi><mml:mi>c</mml:mi><mml:mover accent="true"><mml:mi>b</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:mover accent="true"><mml:mi>c</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover></mml:math> tetraquark states. Physical Review D, 2021, 104, .	1.6	10
46	New hadron configuration: The double-gluon hybrid state. Physical Review D, 2022, 105, .	1.6	10
47	Searching for hidden-charm baryonium signals in QCD sum rules. European Physical Journal C, 2016, 76, 1.	1.4	9
48	Fully open-flavor tetraquark states $$bcar{q}ar{s}$$ and $$scar{q}ar{b}$$ with $$J^{P}=0^{+},1^{+}$$. European Physical Journal C, 2020, 80, 1.	1.4	9
49	Two- and three-gluon glueballs of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>C</mml:mi><mml:mo>=</mml:mo><mml:mo>+</mml:mo></mml:mrow></mml:math>. Physical Review D, 2021, 104, .	1.6	9
50	Exotic Î©Î© dibaryon states in a molecular picture *. Chinese Physics C, 2021, 45, 041002.	1.5	8
51	Mass of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mn>1</mml:mn></mml:mrow><mml:mrow><mml:mo>â^'</mml:mo> Exotic fully-heavy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	1.6	8
52	display="inline"><mml:mi>Q</mml:mi><mml:mover accent="true"><mml:mi>Q</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:mi>Q</mml:mi><mml:mover accent="true"><mml:mi>Q</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover></mml:math> tetraquark states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mn mathvariant="bold">8</mml:mn><mml:mrow><mml:mo stretchy	1.6	8
53	Spin-1 charmonium-like states in QCD sum rule. EPJ Web of Conferences, 2012, 20, 01003.	0.1	6
54	Mass spectra for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>c</mml:mi><mml:mi>c</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi>b</mml:mi></mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:mover accent="true"><mml:mrow><mml:mi>b</mml:mi></mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mover></mml:mrow></mml:math> and <mml:math xml	1.6	6

#	Article	IF	Citations
55	Exotic tetraquark states with JPC=0+âˆ’. Physical Review D, 2019, 99, .	1.6	5
56	Mass spectra of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mi mathvariant="normal">Î©</mml:mi></mml:math> dibaryons in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:msub><mml:mrow><mml:mi>S</mml:mi></mml:mrow><mml:mn /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:mat. Physi	1.6	5
57	Exploring the spectrum of heavy quarkonium hybrids with QCD sum rules. Canadian Journal of Physics, 2015, 93, 952-955.	0.4	4
58	Light tetraquark states with the exotic quantum number JPC=3âˆ’+. Physical Review D, 2021, 103, .	1.6	2
59	Establishing low-lying doubly charmed baryons. , 0, .		2