

# Zhu-Fang Cui

## List of Publications by Year in descending order

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57  
papers

1,455  
citations

279798

23  
h-index

345221

36  
g-index

57  
all docs

57  
docs citations

57  
times ranked

463  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-ion collider in China. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	208
2	Effective charge from lattice QCD *. <i>Chinese Physics C</i> , 2020, 44, 083102.	3.7	66
3	Kaon and pion parton distributions. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	65
4	Chiral phase transition with a chiral chemical potential in the framework of Dyson-Schwinger equations. <i>Physical Review D</i> , 2015, 91, .	4.7	63
5	Locate QCD critical end point in a continuum model study. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	57
6	Strong QCD from Hadron Structure Experiments. <i>International Journal of Modern Physics E</i> , 2020, 29, 2030006.	1.0	45
7	Progress in vacuum susceptibilities and their applications to the chiral phase transition of QCD. <i>Annals of Physics</i> , 2015, 358, 172-205.	2.8	42
8	Effect of the chiral chemical potential on the position of the critical endpoint. <i>Physical Review D</i> , 2015, 91, .	4.7	39
9	The Wigner solution of quark gap equation and chiral phase transition of QCD at finite temperature and nonzero chemical potential. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	35
10	Higgs modulation of emergent mass as revealed in kaon and pion parton distributions. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	34
11	Elastic electromagnetic form factors of vector mesons. <i>Physical Review D</i> , 2019, 100, .	4.7	33
12	The Wigner solution and QCD phase transitions in a modified PNJL model. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	32
13	Masses of positive- and negative-parity hadron ground-states, including those with heavy quarks. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	32
14	Critical end point in the presence of a chiral chemical potential. <i>Physical Review D</i> , 2016, 94, .	4.7	31
15	Contact interaction analysis of pion GTMDs. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	30
16	Critical behaviors near the (tri)-critical end point of QCD within the NJL model. <i>European Physical Journal C</i> , 2015, 75, 1.	3.9	29
17	Nucleon elastic form factors at accessible large spacelike momenta. <i>Physical Review D</i> , 2020, 102, .	4.7	29
18	Finite-volume effects on phase transition in the Polyakov-loop extended Nambu–Jona-Lasinio model with a chiral chemical potential. <i>International Journal of Modern Physics A</i> , 2017, 32, 1750067.	1.5	28

#	ARTICLE	IF	CITATIONS
19	Revealing pion and kaon structure via generalised parton distributions *. Chinese Physics C, 2022, 46, 013105. Transition form factors: $\langle \bar{p}   \hat{T}^3   p \rangle$	3.7	28
20	Transition form factors: $\langle \bar{p}   \hat{T}^3   p \rangle$ and $\langle \bar{p}   \hat{T}^8   p \rangle$ . Chinese Physics C, 2022, 46, 013105.	3.7	28
21	Concerning pion parton distributions. European Physical Journal A, 2022, 58, 1.	2.5	25
22	Emergence of pion parton distributions. Physical Review D, 2022, 105, .	4.7	24
23	Discussions on the crossover property within the Nambu–Jona-Lasinio model. Physical Review D, 2013, 88, .	4.7	23
24	Nonlinear susceptibilities under the framework of Dyson-Schwinger equations. Physical Review D, 2014, 90, .	4.7	22
25	New perspective on hybrid mesons. European Physical Journal A, 2019, 55, 1.	2.5	22
26	Dynamical chiral symmetry breaking in the NJL model with a constant external magnetic field. Physical Review D, 2015, 91, .	4.7	21
27	Finite volume effects on the chiral phase transition from Dyson–Schwinger equations of QCD. Nuclear Physics B, 2019, 938, 298-306.	2.5	21
28	Proper time regularization and the QCD chiral phase transition. Scientific Reports, 2017, 7, 45937.	3.3	20
29	Measures of pion and kaon structure from generalised parton distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136158.	4.1	20
30	Vector-meson production and vector meson dominance. European Physical Journal C, 2021, 81, 1.	3.9	20
31	QCD phase diagram with a chiral chemical potential. Physical Review D, 2016, 93, .	4.7	19
32	Fresh Extraction of the Proton Charge Radius from Electron Scattering. Physical Review Letters, 2021, 127, 092001.	7.8	19
33	Structures of the strange quark stars within a quasiparticle model. Physical Review D, 2019, 99, .	4.7	17
34	Semileptonic decays of $D_s$ mesons. Physical Review D, 2021, 103, .	4.7	17
35	The two-flavor NJL model with two-cutoff proper time regularization. International Journal of Modern Physics Conference Series, 2014, 29, 1460232.	0.7	16
36	Semileptonic $B \rightarrow \pi \ell^+ \ell^-$ transitions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136344.	4.1	16

#	ARTICLE	IF	CITATIONS
37	Dynamical diquarks in the $\{\vec{\gamma}^{(*)} \rightarrow N(1535)\}_{1/2^+}$ transition. European Physical Journal A, 2021, 57, 1.	2.5	16
38	Pion charge radius from pion+electron elastic scattering data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136631.	4.1	16
39	Valence Quark Ratio in the Proton. Chinese Physics Letters, 2022, 39, 041401.	3.3	15
40	Wigner solution of the quark gap equation. European Physical Journal C, 2018, 78, 1.	3.9	14
41	Semileptonic transitions: $B \rightarrow \pi^+ \pi^- (K)$ ; $D \rightarrow \pi^+ \pi^- K$ ; $D \rightarrow \pi^+ \pi^- \bar{K}$ ; and $K \rightarrow \pi^+ \pi^- \bar{K}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136793.	4.1	14
42	Continuum study of various susceptibilities within thermal $QED^3$ . Physical Review D, 2014, 90, .	4.7	13
43	2+1 flavors QCD equation of state at zero temperature within Dyson-Schwinger equations. International Journal of Modern Physics A, 2015, 30, 1550217.	1.5	12
44	Influence of gauge boson mass on the staggered spin susceptibility. Physical Review D, 2014, 90, .	4.7	11
45	A Model Study of the Chiral Phase Diagram of QCD. Few-Body Systems, 2014, 55, 47-56.	1.5	10
46	Susceptibilities and critical exponents within the Nambu-Jona-Lasinio model. International Journal of Modern Physics A, 2015, 30, 1550199.	1.5	10
47	A new algorithm towards a quasi-Wigner solution of the gap equation beyond the chiral limit. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 105001.	3.6	10
48	The chiral phase transition of QED3 around the critical number of fermion flavors. Annals of Physics, 2014, 348, 306-314.	2.8	8
49	Studies of Wigner-Weyl solution and external magnetic field in an NJL model. Physical Review D, 2016, 94, .	4.7	8
50	Heavy + light pseudoscalar meson semileptonic transitions. European Physical Journal C, 2021, 81, 1.	3.9	6
51	Pauli Radius of the Proton. Chinese Physics Letters, 2021, 38, 121401.	3.3	6
52	Discussion of Various Susceptibilities within Thermal and Dense Quantum Chromodynamics. Chinese Physics Letters, 2015, 32, 121203.	3.3	5
53	Noncommutative field with constant background fields and neutral fermions. Physical Review D, 2015, 91, .	4.7	4
54	Dyson-Schwinger Equations of Chiral Chemical Potential. Chinese Physics Letters, 2015, 32, 081101.	3.3	2

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55	A Model-Independent Discussion of Quark Number Density and Quark Condensate at Zero Temperature and Finite Quark Chemical Potential. Chinese Physics Letters, 2015, 32, 121101.	3.3	1
56	Nucleon-to-resonance form factors at large photon virtualities. AIP Conference Proceedings, 2020, , .	0.4	1
57	Excited light baryons from quark-gluon-level calculations. , 2020, , .		0