

Lei Chang

List of Publications by Year in descending order

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100
papers

5,012
citations

66343

42
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88630

70
g-index

100
all docs

100
docs citations

100
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing pion and kaon structure via generalised parton distributions *. Chinese Physics C, 2022, 46, 013105.	3.7	28
2	Concerning pion parton distributions. European Physical Journal A, 2022, 58, 1.	2.5	25
3	Electromagnetic form factors of neutron and neutral hyperons in the oscillating point of view *. Chinese Physics C, 2022, 46, 073104.	3.7	8
4	Parton distributions of light quarks and antiquarks in the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137078.	4.1	15
5	Valence Quark Ratio in the Proton. Chinese Physics Letters, 2022, 39, 041401.	3.3	15
6	Proton and pion distribution functions in counterpoint. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 830, 137130.	4.1	24
7	Emergence of pion parton distributions. Physical Review D, 2022, 105, .	4.7	24
8	Exposing the effect of the $\langle \bar{p} \rangle$ -wave component in the pion triplet under a strong magnetic field. Physical Review D, 2022, 105, .	4.7	4
9	Can the Hyperfine Mass Splitting Formula in Heavy Quarkonia be Applied to the B_c System?. Few-Body Systems, 2021, 62, 1.	1.5	6
10	Higgs modulation of emergent mass as revealed in kaon and pion parton distributions. European Physical Journal A, 2021, 57, 1.	2.5	34
11	Extracting a model quark propagator's spectral density. Physical Review D, 2021, 103, .	4.7	2
12	Rainbow modified-ladder approximation and degenerate pion. Physical Review D, 2021, 103, .	4.7	3
13	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
14	Revealing the structure of light pseudoscalar mesons at the electron-ion collider. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 075106.	3.6	58
15	Heavy Quark Mesons: Mass Spectrum and Mass Relations. Few-Body Systems, 2021, 62, 1.	1.5	1
16	Electron-ion collider in China. Frontiers of Physics, 2021, 16, 1.	5.0	208
17	Mass dependence of pseudocritical temperature in mean field approximation. Physical Review D, 2021, 104, .	4.7	1
18	Quark anomalous magnetic moment and its effects on the ρ -meson properties. Physical Review D, 2021, 104, .	4.7	8

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19	Dynamical diquarks in the $\{\gamma^{(*)}\} \rightarrow N(1535)_{1/2^+}$ transition. European Physical Journal A, 2021, 57, 1.	2.5	16
20	Insights into the emergence of mass from studies of pion and kaon structure. Progress in Particle and Nuclear Physics, 2021, 120, 103883.	14.4	102
21	Regarding the Distribution of Glue in the Pion. Chinese Physics Letters, 2021, 38, 081101.	3.3	20
22	Linking continuum and lattice quark mass functions via an effective charge. Physical Review D, 2021, 104, .	4.7	7
23	Excited Bc states via the Dyson-Schwinger equation approach of QCD. Physical Review D, 2020, 102, .	4.7	5
24	$\langle B_c \rangle$ meson spectrum via Dyson-Schwinger equation and Bethe-Salpeter equation approach. Physical Review D, 2020, 101, .	4.7	19
25	Kaon and pion parton distributions. European Physical Journal C, 2020, 80, 1.	3.9	65
26	Drawing insights from pion parton distributions *. Chinese Physics C, 2020, 44, 031002.	3.7	39
27	Symmetry, symmetry breaking, and pion parton distributions. Physical Review D, 2020, 101, .	4.7	75
28	Pion parton distribution function in light-front holographic QCD *. Chinese Physics C, 2020, 44, 114105.	3.7	16
29	Unveiling the structure of pseudoscalar mesons. , 2020, , .		0
30	Two photon transition form factors of neutral pseudoscalar mesons. , 2020, , .		0
31	New perspective on hybrid mesons. European Physical Journal A, 2019, 55, 1.	2.5	22
32	Pion and kaon structure at the electron-ion collider. European Physical Journal A, 2019, 55, 1.	2.5	110
33	Distribution amplitudes of heavy-light mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 257-262.	4.1	37
34	Dressed quark tensor vertex and nucleon tensor charge. Physical Review D, 2019, 99, .	4.7	5
35	A pattern for the flavor dependent quark-antiquark interaction. Chinese Physics C, 2019, 43, 114103.	3.7	14
36	$\langle \hat{\Gamma}^3 \rangle$ transition form factors. Physical Review D, 2019, 99, .	4.7	54

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37	Mass dependence of pseudoscalar meson elastic form factors. Physical Review D, 2018, 98, .	4.7	43
38	Parton distribution amplitudes: Revealing correlations within the proton and Roper. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 263-267.	4.1	32
39	Pion and kaon valence-quark parton quasidistributions. Physical Review D, 2018, 97, .	4.7	55
40	Nucleon Viewed as a Borromean Bound-State. Few-Body Systems, 2018, 59, 1.	1.5	1
41	Bayesian extraction of the parton distribution amplitude from the Bethe-Salpeter wave function. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 551-555.	4.1	21
42	Natural constraints on the gluon-quark vertex. Physical Review D, 2017, 95, .	4.7	77
43	Two-photon transition form factor of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mover accent="true"} \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="true"} \rangle \tilde{A} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ quarkonia. Physical Review D, 2017, 95, .	4.7	21
44	Partonic structure of neutral pseudoscalars via two photon transition form factors. Physical Review D, 2017, 95, .	4.7	39
45	Exposing strangeness: Projections for kaon electromagnetic form factors. Physical Review D, 2017, 96, .	4.7	42
46	A perspective on Dyson-Schwinger equation: toy model of Pion. EPJ Web of Conferences, 2016, 113, 05001.	0.3	1
47	Structure of the neutral pion and its electromagnetic transition form factor. Physical Review D, 2016, 93, .	4.7	78
48	Valence-quark distribution functions in the kaon and pion. Physical Review D, 2016, 93, .	4.7	72
49	Symmetry preserving truncations of the gap and Bethe-Salpeter equations. Physical Review D, 2016, 93, .	4.7	86
50	Distribution amplitudes of radially-excited $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \tilde{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle K \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ mesons. Physical Review D, 2016, 93, .	4.7	29
51	Leading-twist distribution amplitudes of scalar and vector mesons. Physical Review D, 2016, 94, .	4.7	16
52	Leading-twist parton distribution amplitudes of S-wave heavy-quarkonia. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 330-335.	4.1	51
53	Kaon and pion parton distribution amplitudes to twist three. Physical Review D, 2015, 92, .	4.7	58
54	Pion valence-quark parton distribution function. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 547-550.	4.1	16

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55	Bridging a gap between continuum-QCD and ab initio predictions of hadron observables. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 183-188.	4.1	175
56	Sketching the pion's valence-quark generalised parton distribution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 190-196.	4.1	56
57	Flavour symmetry breaking in the kaon parton distribution amplitude. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 512-518.	4.1	41
58	Parton distribution amplitudes of light vector mesons. Physical Review D, 2014, 90, .	4.7	46
59	Basic features of the pion valence-quark distribution function. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 737, 23-29.	4.1	76
60	Distribution amplitudes of light-quark mesons from lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 13-18.	4.1	36
61	Pion Distribution Amplitude from Lattice QCD. Physical Review Letters, 2013, 111, 092001.	7.8	54
62	Pion Electromagnetic Form Factor at Spacelike Momenta. Physical Review Letters, 2013, 111, 141802.	7.8	146
63	Light front distribution of the chiral condensate. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 255-259.	4.1	29
64	Practical corollaries of transverse Ward-Green-Takahashi identities. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 384-388.	4.1	76
65	Features and flaws of a contact interaction treatment of the kaon. Physical Review C, 2013, 87, .	2.9	38
66	Imaging Dynamical Chiral-Symmetry Breaking: Pion Wave Function on the Light Front. Physical Review Letters, 2013, 110, 132001.	7.8	193
67	STUDIES OF NUCLEON RESONANCE STRUCTURE IN EXCLUSIVE MESON ELECTROPRODUCTION. International Journal of Modern Physics E, 2013, 22, 1330015.	1.0	193
68	Expanding the concept of in-hadron condensates. Physical Review C, 2012, 85, .	2.9	44
69	Investigation of rainbow-ladder truncation for excited and exotic mesons. Physical Review C, 2012, 85, .	2.9	114
70	Tracing masses of ground-state light-quark mesons. Physical Review C, 2012, 85, .	2.9	94
71	Dynamical chiral symmetry breaking and the fermion-gauge-boson vertex. Physical Review C, 2012, 85, .	2.9	76
72	Spectrum of Hadrons with Strangeness. Few-Body Systems, 2012, 53, 293-326.	1.5	82

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73	FlavorSU(4)breaking between effective couplings. Physical Review D, 2012, 85, .	4.7	35
74	Nucleon and Roper electromagnetic elastic and transition form factors. Physical Review C, 2012, 85, .	2.9	92
75	Collective Perspective on Advances in Dysonâ€™Schwinger Equation QCD. Communications in Theoretical Physics, 2012, 58, 79-134.	2.5	259
76	Masses of Ground- and Excited-State Hadrons. Few-Body Systems, 2011, 51, 1-25.	1.5	98
77	T(r)opical Dyson-Schwinger Equations. , 2011, , .		4
78	Quark spectral density and strongly-coupled quark-gluon plasma. Physical Review D, 2011, 84, .	4.7	46
79	Dressed-Quark Anomalous Magnetic Moments. Physical Review Letters, 2011, 106, 072001.	7.8	144
80	Interaction model for the gap equation. Physical Review C, 2011, 84, .	2.9	175
81	Phase Diagram and Critical End Point for Strongly Interacting Quarks. Physical Review Letters, 2011, 106, 172301.	7.8	161
82	IMPACT OF DYNAMICAL CHIRAL SYMMETRY BREAKING ON MESON STRUCTURE AND INTERACTIONS. International Journal of Modern Physics A, 2011, 26, 371-377.	1.5	4
83	Quark Spectral Function above $T_{[sub c]}$. , 2011, , .		0
84	Cold quarks in medium: An equation of state. Physical Review C, 2010, 82, .	2.9	23
85	Empirically charting dynamical chiral symmetry breaking. , 2010, , .		4
86	Chiral susceptibility and the scalar Ward identity. Physical Review C, 2009, 79, .	2.9	50
87	Sketching the Bethe-Salpeter Kernel. Physical Review Letters, 2009, 103, 081601.	7.8	217
88	Chiral susceptibility and chiral phase transition in Nambuâ€™Jona-Lasinio model. European Physical Journal C, 2008, 56, 483-492.	3.9	21
89	STABILITY OF VACUUM AND QCD PHASE TRANSITION IN DYSON-SCHWINGER EQUATION APPROACH OF QCD. International Journal of Modern Physics E, 2008, 17, 1965-1978.	1.0	2
90	REMARK ON THE CONSISTENCY OF THE LADDER APPROXIMATION AND THE RAINBOW APPROXIMATION OF DYSONâ€™SCHWINGER EQUATIONS OF QCD. International Journal of Modern Physics A, 2008, 23, 1711-1717.	1.5	1

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91	QCD PHASE TRANSITION IN DYSON'S SCHWINGER EQUATION APPROACH OF QCD. International Journal of Modern Physics E, 2007, 16, 2289-2294.	1.0	3
92	Flavor symmetry breaking and meson masses. Physical Review C, 2007, 76, .	2.9	61
93	Dynamical chiral symmetry breaking and a critical mass. Physical Review C, 2007, 75, .	2.9	63
94	Soliton in the global color model with a sophisticated effective gluon propagator. Physical Review C, 2007, 76, .	2.9	4
95	Phase transition of finite size quark droplets with isospin chemical potential in the Nambu-Jona-Lasinio model. Physical Review D, 2006, 73, .	4.7	22
96	Soliton with a pion field in the global color symmetry model. Physical Review C, 2006, 73, .	2.9	8
97	On the Chiral Quark Condensate at Finite Chemical Potential. International Journal of Modern Physics A, 2006, 21, 905-909.	1.5	2
98	THE BEHAVIOR OF THE GAUGE-BOSON PROPAGATOR IN THE DIFFERENT PHASES OF QED3. International Journal of Modern Physics A, 2006, 21, 6003-6014.	1.5	6
99	New approach for calculating the dressed quark propagator at finite chemical potential. Physical Review C, 2005, 71, .	2.9	75
100	New method for numerically solving the chemical potential dependence of the dressed quark propagator. Physical Review C, 2005, 72, .	2.9	37