Ligong Bian

List of Publications by Year
in descending order

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47	1,161	279798	395702
papers	citations	23 h-index	33 g-index

47	47	47	968
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of a complex singlet: Electroweak baryogenesis and dark matter. Physical Review D, 2016, 93, .	4.7	78
2	A new insight into the phase transition in the early Universe with two Higgs doublets. Journal of High Energy Physics, 2018, 2018, 1.	4.7	57
3	Evidence for different gravitational-wave sources in the NANOGrav dataset. Physical Review D, 2021, 103, .	4.7	54
4	The Gravitational-wave physics II: Progress. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	54
5	Hidden confining world on the 750ÂGeV diphoton excess. Physical Review D, 2016, 93, .	4.7	50
6	B-meson anomalies and Higgs physics in flavored $$U(1)'$$ U (1) â€² model. European Physical Journal C, 2018, 78, 1.	3.9	49
7	Electroweak phase transition with composite Higgs models: calculability, gravitational waves and collider searches. Journal of High Energy Physics, 2019, 2019, 1.	4.7	47
8	Thermally modified sterile neutrino portal dark matter and gravitational waves from phase transition: the freeze-in case. Journal of High Energy Physics, 2018, 2018, 1.	4.7	46
9	Cancellations Between Two-Loop Contributions to the Electron Electric Dipole Moment with a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math>-Violating Higgs Sector. Physical Review Letters, 2015, 115, 021801.	7.8	44
10	Two component Higgs-portal dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 105-113.	4.1	43
11	Primordial black hole production during first-order phase transitions. Physical Review D, 2022, 105, .	4.7	43
12	Gravitational Waves, baryon asymmetry of the universe and electric dipole moment in the CP-violating NMSSM. Chinese Physics C, 2018, 42, 093106.	3.7	40
13	Constraining Cosmological Phase Transitions with the Parkes Pulsar Timing Array. Physical Review Letters, 2021, 127, 251303.	7.8	40
14	Prospects for triple gauge coupling measurements at future lepton colliders and the 14 TeV LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	32
15	Minimal flavored <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>U</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>1</mml:mn><mml:msup><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 182 Td (s xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>B</mml:mi></mml:math> -meson anomalies. Physical Review D, 2017, 96, .	4.7	30
16	Two component dark matter with multi-Higgs portals. Journal of High Energy Physics, 2015, 2015, 1.	4.7	29
17	Higgs pair productions in the CP-violating two-Higgs-doublet model. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27
18	From inflation to cosmological electroweak phase transition with a complex scalar singlet. Physical Review D, 2018, 98, .	4.7	27

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19	Two-step strongly first-order electroweak phase transition modified FIMP dark matter, gravitational wave signals, and the neutrino mass. Physical Review D, 2019, 99, .	4.7	27
20	Type-III two Higgs doublet model plus a pseudoscalar confronted with h â†' Î¼Ï„ , muon g â^' 2 and dark matter. Nuclear Physics B, 2016, 909, 507-524.	2.5	26
21	Electroweak phase transition and Higgs phenomenology in the Georgi-Machacek model. Journal of High Energy Physics, 2019, 2019, 1.	4.7	25
22	Electroweak baryogenesis and gravitational waves in a composite Higgs model with high dimensional fermion representations. Journal of High Energy Physics, 2020, 2020, 1.	4.7	25
23	Gravitational wave and collider searches for electroweak symmetry breaking patterns. Physical Review D, 2020, 101, .	4.7	23
24	Magnetic Field and Gravitational Waves from the First-Order Phase Transition. Physical Review Letters, 2021, 126, 251102.	7.8	23
25	Probing superheavy dark matter with gravitational waves. Journal of High Energy Physics, 2021, 2021, 1.	4.7	22
26	Interpretation of the Galactic Center excess and electroweak phase transition in the NMSSM. Physical Review D, 2015, 92, .	4.7	21
27	Connecting the electroweak sphaleron with gravitational waves. Physical Review D, 2020, 101, .	4.7	18
28	Complementarity of the future <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>e</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>e</mml:mi><mml:mo>â colliders and gravitational waves in the probe of complex singlet extension to the standard model. Physical Review D, 2020, 101, .	4.7	17
29	Gravitational waves from first-order phase transition and domain wall. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
30	Cancellation mechanism in the predictions of electric dipole moments. Physical Review D, 2017, 95, .	4.7	14
31	Gravitational wave and electroweak baryogenesis with two Higgs doublet models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137105.	4.1	13
32	Cosmological implications of a B â^' L charged hidden scalar: leptogenesis and gravitational waves *. Chinese Physics C, 2021, 45, 113104.	3.7	12
33	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math> violation effects in the diphoton spectrum of heavy scalars. Physical Review D, 2017, 96, .	4.7	10
34	Higgs inflation and cosmological electroweak phase transition with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math> scalars in the post-Higgs era. Physical Review D, 2019, 99, .	4.7	10
35	Renormalization group equation, the naturalness problem, and the understanding of the Higgs mass term. Physical Review D, 2013, 88, .	4.7	9
36	Future prospects of mass-degenerate Higgs bosons in the CP -conserving two-Higgs-doublet model. Physical Review D, 2018, 97, .	4.7	9

#	Article	IF	Citations
37	Triple gauge couplings at future hadron and lepton colliders. International Journal of Modern Physics A, 2016, 31, 1644008.	1.5	8
38	Dark matter and electroweak phase transition in the mixed scalar dark matter model. Physical Review D, 2018, 97, .	4.7	8
39	Heavy dark matter and gravitational waves. Physical Review D, 2021, 103, .	4.7	8
40	Erratum and Addendum: Gravitational Waves, baryon asymmetry of the universe and electric dipole moment in the CP-violating NMSSM (Chin. Phys. C, 42(9): 093106 (2018)). Chinese Physics C, 2019, 43, 129101.	3.7	7
41	Magnetic field generation from bubble collisions during first-order phase transition. Physical Review D, 2022, 106, .	4.7	5
42	Interference effect on resonance studies in searches of heavy particles. International Journal of Modern Physics A, 2016, 31, 1650083.	1.5	4
43	Gravitational waves from cosmic strings after a first-order phase transition *. Chinese Physics C, 2022, 46, 043104.	3.7	4
44	Higgs pair production in the CP-violating two-Higgs-doublet model. International Journal of Modern Physics A, 2017, 32, 1746002.	1.5	2
45	Flavor and CP-violating Higgs sector in two Higgs doublet models with $$U(1)'$$. Journal of the Korean Physical Society, 2021, 79, 138-159.	0.7	2
46	Axionlike particle inflation and dark matter. Physical Review D, 2021, 104, .	4.7	2
47	Triple Gauge Couplings at Future Hadron and Lepton Colliders. , 2017, , 107-112.		0