

Ligong Bian

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,161
citations

279798

23
h-index

395702

33
g-index

47
all docs

47
docs citations

47
times ranked

968
citing authors

#	ARTICLE	IF	CITATIONS
1	Primordial black hole production during first-order phase transitions. Physical Review D, 2022, 105, .	4.7	43
2	Gravitational waves from cosmic strings after a first-order phase transition *. Chinese Physics C, 2022, 46, 043104.	3.7	4
3	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
4	Magnetic field generation from bubble collisions during first-order phase transition. Physical Review D, 2022, 106, .	4.7	5
5	Heavy dark matter and gravitational waves. Physical Review D, 2021, 103, .	4.7	8
6	Evidence for different gravitational-wave sources in the NANOGrav dataset. Physical Review D, 2021, 103, .	4.7	54
7	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
8	Magnetic Field and Gravitational Waves from the First-Order Phase Transition. Physical Review Letters, 2021, 126, 251102.	7.8	23
9	Cosmological implications of a $B-L$ charged hidden scalar: leptogenesis and gravitational waves *. Chinese Physics C, 2021, 45, 113104.	3.7	12
10	Axionlike particle inflation and dark matter. Physical Review D, 2021, 104, .	4.7	2
11	The Gravitational-wave physics II: Progress. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	54
12	Probing superheavy dark matter with gravitational waves. Journal of High Energy Physics, 2021, 2021, 1.	4.7	22
13	Constraining Cosmological Phase Transitions with the Parkes Pulsar Timing Array. Physical Review Letters, 2021, 127, 251303.	7.8	40
14	Connecting the electroweak sphaleron with gravitational waves. Physical Review D, 2020, 101, .	4.7	18
15	Gravitational wave and collider searches for electroweak symmetry breaking patterns. Physical Review D, 2020, 101, .	4.7	23
16	Complementarity of the future colliders and gravitational waves in the probe of complex singlet extension to the standard model. Physical Review D, 2020, 101, .	4.7	17
17	Gravitational waves from first-order phase transition and domain wall. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
18	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

#	ARTICLE	IF	CITATIONS
19	Higgs inflation and cosmological electroweak phase transition with N scalars in the post-Higgs era. Physical Review D, 2019, 99, .	4.7	10
20	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
21	Electroweak phase transition and Higgs phenomenology in the Georgi-Machacek model. Journal of High Energy Physics, 2019, 2019, 1.	4.7	25
22	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
23	Electroweak phase transition with composite Higgs models: calculability, gravitational waves and collider searches. Journal of High Energy Physics, 2019, 2019, 1.	4.7	47
24	B-meson anomalies and Higgs physics in flavored $U(1) \times U(1) \times \mathbb{Z}_2$ model. European Physical Journal C, 2018, 78, 1.	3.9	49
25	Dark matter and electroweak phase transition in the mixed scalar dark matter model. Physical Review D, 2018, 97, .	4.7	8
26	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
27	From inflation to cosmological electroweak phase transition with a complex scalar singlet. Physical Review D, 2018, 98, .	4.7	27
28	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
29	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
30	Future prospects of mass-degenerate Higgs bosons in the CP-conserving two-Higgs-doublet model. Physical Review D, 2018, 97, .	4.7	9
31	C violation effects in the diphoton spectrum of heavy scalars. Physical Review D, 2017, 96, .	4.7	10
32	Minimal flavored $U(1) \times U(1) \times \mathbb{Z}_2$ model. Physical Review D, 2017, 96, .	4.7	30
33	Cancellation mechanism in the predictions of electric dipole moments. Physical Review D, 2017, 95, .	4.7	14
34	Higgs pair production in the CP-violating two-Higgs-doublet model. International Journal of Modern Physics A, 2017, 32, 1746002.	1.5	2
35	Triple Gauge Couplings at Future Hadron and Lepton Colliders. , 2017, , 107-112.		0
36	Higgs pair productions in the CP-violating two-Higgs-doublet model. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27

#	ARTICLE	IF	CITATIONS
37	Impact of a complex singlet: Electroweak baryogenesis and dark matter. Physical Review D, 2016, 93, .	4.7	78
38	Hidden confining world on the 750 GeV diphoton excess. Physical Review D, 2016, 93, .	4.7	50
39	Type-III two Higgs doublet model plus a pseudoscalar confronted with $h \rightarrow \tau^+ \tau^-$, $\mu \rightarrow e \gamma$ and dark matter. Nuclear Physics B, 2016, 909, 507-524.	2.5	26
40	Triple gauge couplings at future hadron and lepton colliders. International Journal of Modern Physics A, 2016, 31, 1644008.	1.5	8
41	Interference effect on resonance studies in searches of heavy particles. International Journal of Modern Physics A, 2016, 31, 1650083.	1.5	4
42	Interpretation of the Galactic Center excess and electroweak phase transition in the NMSSM. Physical Review D, 2015, 92, .	4.7	21
43	Cancellations Between Two-Loop Contributions to the Electron Electric Dipole Moment with a C -Violating Higgs Sector. Physical Review Letters, 2015, 115, 021801.	7.8	44
44	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
45	Two component dark matter with multi-Higgs portals. Journal of High Energy Physics, 2015, 2015, 1.	4.7	29
46	Two component Higgs-portal dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 105-113.	4.1	43
47	Renormalization group equation, the naturalness problem, and the understanding of the Higgs mass term. Physical Review D, 2013, 88, .	4.7	9