Massive primordial black holes from hybrid inflation as galaxies

Physical Review D

92,

DOI: 10.1103/physrevd.92.023524

Citation Report

#	Article	IF	Citations
1	Black hole formation in a contracting universe. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 029-029.	1.9	25
2	Revisiting constraints on small scale perturbations from big-bang nucleosynthesis. Physical Review D, 2016, 94, .	1.6	58
3	Science with the space-based interferometer LISA. IV: probing inflation with gravitational waves. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 026-026.	1.9	256
4	Gravitational waves at interferometer scales and primordial black holes in axion inflation. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 031-031.	1.9	167
5	Primordial black holes formation from particle production during inflation. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 020-020.	1.9	24
6	Detecting black-hole binary clustering via the second-generation gravitational-wave detectors. Physical Review D, 2016, 94, .	1.6	21
7	Primordial black holes as dark matter. Physical Review D, 2016, 94, .	1.6	696
8	A fresh look at linear cosmological constraints on a decaying Dark Matter component. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 036-036.	1.9	146
9	Can massive primordial black holes be produced in mild waterfall hybrid inflation?. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 041-041.	1.9	42
10	Did LIGO Detect Dark Matter?. Physical Review Letters, 2016, 116, 201301.	2.9	872
11	Solving puzzles of GW150914 by primordial black holes. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 036-036.	1.9	105
12	Microlensing and dynamical constraints on primordial black hole dark matter with an extended mass function. Physical Review D, 2016, 94, .	1.6	136
13	Hybrid Natural Inflation. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
14	Effects of critical collapse on primordial black-hole mass spectra. European Physical Journal C, 2016, 76, 1.	1.4	52
15	Black holes and the multiverse. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 064-064.	1.9	102
16	Multi-phase induced inflation in theories with non-minimal coupling to gravity. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 011-011.	1.9	8
17	Primordial black hole and wormhole formation by domain walls. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 050-050.	1.9	95
18	Theory of dark matter. Modern Physics Letters A, 2017, 32, 1730013.	0.5	1

#	Article	IF	Citations
19	Towards a measurement of the spectral runnings. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 032-032.	1.9	48
20	Farthest Neighbor: The Distant Milky Way Satellite Eridanus II*. Astrophysical Journal, 2017, 838, 8.	1.6	119
21	The clustering of massive Primordial Black Holes as Dark Matter: Measuring their mass distribution with advanced LIGO. Physics of the Dark Universe, 2017, 15, 142-147.	1.8	433
22	Test the mergers of the primordial black holes by high frequency gravitational-wave detector. European Physical Journal C, 2017, 77, 1.	1.4	2
23	Gravitational waves from primordial black hole mergers. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 037-037.	1.9	216
24	Probing Primordial Black Hole Dark Matter with Gravitational Waves. Physical Review Letters, 2017, 119, 131301.	2.9	58
25	Primordial black holes from single field models of inflation. Physics of the Dark Universe, 2017, 18, 47-54.	1.8	345
26	Detecting the gravitational wave background from primordial black hole dark matter. Physics of the Dark Universe, 2017, 18, 105-114.	1.8	88
27	Scalar geons in Born-Infeld gravity. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 031-031.	1.9	21
28	Gravitational wave signatures of inflationary models from Primordial Black Hole dark matter. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 013-013.	1.9	202
29	Single field double inflation and primordial black holes. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 020-020.	1.9	192
30	Primordial Black Holes from Supersymmetry in the Early Universe. Physical Review Letters, 2017, 119, 031103.	2.9	95
31	Primordial black hole constraints for extended mass functions. Physical Review D, 2017, 96, .	1.6	301
32	PBH dark matter from axion inflation. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 048-048.	1.9	82
33	Pulsar timing can constrain primordial black holes in the LIGO mass window. Physical Review D, 2017, 95, .	1.6	55
34	Inflationary theory and pulsar timing investigations of primordial black holes and gravitational waves. Physical Review D, 2017, 95, .	1.6	81
35	Quantum diffusion during inflation and primordial black holes. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 046-046.	1.9	115
36	Gravitational wave bursts from Primordial Black Hole hyperbolic encounters. Physics of the Dark Universe, 2017, 18, 123-126.	1.8	30

#	Article	IF	Citations
37	GW170104: Observation of a 50-Solar-Mass Binary Black Hole Coalescence at Redshift 0.2. Physical Review Letters, 2017, 118, 221101.	2.9	1,987
38	CMB bounds on disk-accreting massive primordial black holes. Physical Review D, 2017, 96, .	1.6	196
39	New X-ray bound on density of primordial black holes. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 034-034.	1.9	89
40	Constraints on primordial black holes with extended mass functions. Physical Review D, 2017, 95, .	1.6	92
41	Production of high stellar-mass primordial black holes in trapped inflation. Journal of High Energy Physics, 2017, 2017, 1.	1.6	38
42	Cosmological implications of primordial black holes. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 052-052.	1.9	30
43	Massive Primordial Black Holes as Dark Matter and their detection with Gravitational Waves. Journal of Physics: Conference Series, 2017, 840, 012032.	0.3	138
44	Double inflation as a single origin of primordial black holes for all dark matter and LIGO observations. Physical Review D, 2018, 97, .	1.6	116
45	Limits on primordial black holes from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î¼</mml:mi></mml:math> distortions in cosmic microwave background. Physical Review D, 2018, 97, .	1.6	72
46	Constraints from microlensing experiments on clustered primordial black holes. Physics of the Dark Universe, 2018, 19, 144-148.	1.8	50
47	The maximal-density mass function for primordial black hole dark matter. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 007-007.	1.9	22
48	Observational constraints on the primordial curvature power spectrum. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 007-007.	1.9	24
49	Intermediate-mass Black Holes and Dark Matter at the Galactic Center. Astrophysical Journal Letters, 2018, 853, L16.	3.0	10
50	Signatures of Higgs dilaton and critical Higgs inflation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170119.	1.6	3
51	Primordial black holesâ€"perspectives in gravitational wave astronomy. Classical and Quantum Gravity, 2018, 35, 063001.	1.5	551
52	Primordial black hole production in Critical Higgs Inflation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 345-349.	1.5	198
53	Primordial black holes as dark matter: converting constraints from monochromatic to extended mass distributions. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 004-004.	1.9	78
54	Signatures of primordial black holes as seeds of supermassive black holes. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017.	1.9	33

#	Article	IF	Citations
55	Primordial black holes survive SN lensing constraints. Physics of the Dark Universe, 2018, 20, 95-100.	1.8	49
56	Cosmological Signature of the Standard Model Higgs Vacuum Instability: Primordial Black Holes as Dark Matter. Physical Review Letters, 2018, 120, 121301.	2.9	76
57	Primordial black holes from inflation and non-Gaussianity. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 016-016.	1.9	142
58	CMB spectral distortions from black holes formed by vacuum bubbles. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 059-059.	1.9	21
59	Femtolensing by dark matter revisited. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 005-005.	1.9	170
60	On the origin and nature of dark matter. International Journal of Modern Physics A, 2018, 33, 1830030.	0.5	4
61	Primordial black holes with an accurate QCD equation of state. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 041-041.	1.9	139
62	Gauging fine-tuning. Physical Review D, 2018, 98, .	1.6	8
63	Primordial black holes and the string swampland. Physical Review D, 2018, 98, .	1.6	22
64	Primordial black holes and second order gravitational waves from ultra-slow-roll inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 007-007.	1.9	113
65	Primordial black holes from inflaton fragmentation into oscillons. Physical Review D, 2018, 98, .	1.6	98
66	Primordial black hole dark matter and LIGO/Virgo merger rate from inflation with running spectral indices: formation in the matter- and/or radiation-dominated universe. Classical and Quantum Gravity, 2018, 35, 235017.	1.5	37
67	Primordial black hole production in inflationary models of supergravity with a single chiral superfield. Physical Review D, 2018, 98, .	1.6	52
68	Special Finslerian generalization of the Reissner-NordstrÃ¶m spacetime. Physical Review D, 2018, 98, .	1.6	15
69	Seven hints for primordial black hole dark matter. Physics of the Dark Universe, 2018, 22, 137-146.	1.8	131
70	Scalaron from R²-gravity as a heavy field. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 042-042.	1.9	173
71	Transmuted gravity wave signals from primordial black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 77-82.	1.5	31
72	Dark Matter under the Microscope: Constraining Compact Dark Matter with Caustic Crossing Events. Astrophysical Journal, 2018, 857, 25.	1.6	75

#	Article	IF	Citations
73	Gravitational wave energy emission and detection rates of Primordial Black Hole hyperbolic encounters. Physics of the Dark Universe, 2018, 21, 61-69.	1.8	35
74	Cosmological backgrounds of gravitational waves. Classical and Quantum Gravity, 2018, 35, 163001.	1.5	490
75	Updating the MACHO fraction of the Milky Way dark halowith improved mass models. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2889-2905.	1.6	55
76	Primordial black holes as generators of cosmic structures. Monthly Notices of the Royal Astronomical Society, 2018, 478, 3756-3775.	1.6	169
77	Constraints on the Primordial Black Hole Abundance from the First Advanced LIGO Observation Run Using the Stochastic Gravitational-Wave Background. Physical Review Letters, 2018, 120, 191102.	2.9	150
78	Massive and supermassive black holes in the contemporary and early Universe and problems in cosmology and astrophysics. Physics-Uspekhi, 2018, 61, 115-132.	0.8	30
79	Quantum diffusion beyond slow-roll: implications for primordial black-hole production. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 018-018.	1.9	80
80	Primordial black holes and associated gravitational waves in axion monodromy inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 001-001.	1.9	61
81	Correlation Function of High-Threshold Regions and Application to the Initial Small-Scale Clustering of Primordial Black Holes. Physical Review Letters, 2018, 121, 081304.	2.9	68
82	Stimulated Axion Decay in Superradiant Clouds around Primordial Black Holes. Physical Review Letters, 2018, 120, 231102.	2.9	77
83	Looking at cosmic near-infrared background radiation anisotropies. Reviews of Modern Physics, 2018, 90, .	16.4	45
84	Pulsar timing probes of primordial black holes and subhalos. Physical Review D, 2019, 100, .	1.6	66
85	Primordial black holes from thermal inflation. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 046-046.	1.9	16
86	Multi-wavelength astronomical searches for primordial black holes. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 026-026.	1.9	44
87	On the prior dependence of cosmological constraints on some dark matter interactions. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 025-025.	1.9	13
88	Small-scale structure of primordial black hole dark matter and its implications for accretion. Physical Review D, 2019, 100, .	1.6	49
89	Stochastic gravitational wave background from accreting primordial black hole binaries during early inspiral stage. Physical Review D, 2019, 100, .	1.6	3
90	Analytic description of primordial black hole formation from scalar field fragmentation. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 077-077.	1.9	94

#	Article	IF	Citations
91	Constraints on the primordial curvature power spectrum from primordial black holes. Physical Review D, 2019, 100, .	1.6	55
92	Primordial black hole tower: Dark matter, earth-mass, and LIGO black holes. Physical Review D, 2019, 100, .	1.6	63
93	Primordial tensor perturbation in double inflationary scenario with a break. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 049-049.	1.9	20
94	Dark radiation and superheavy dark matter from black hole domination. Journal of High Energy Physics, 2019, 2019, 1.	1.6	99
95	Voyager 1 <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>e</mml:mi><mml:mo>Â±</mml:mo></mml:msup></mml:math> Further Constrain Primordial Black Holes as Dark Matter. Physical Review Letters, 2019, 122, 041104.	2.9	104
96	Black holes, gravitational waves and fundamental physics: a roadmap. Classical and Quantum Gravity, 2019, 36, 143001.	1.5	451
97	The light side of dark matter. Nature Astronomy, 2019, 3, 485-486.	4.2	0
98	Tensor spectra templates for axion-gauge fields dynamics during inflation. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 057-057.	1.9	13
99	Gravitational Waves Induced by Non-Gaussian Scalar Perturbations. Physical Review Letters, 2019, 122, 201101.	2.9	271
100	Primordial Black Holes from the QCD Axion. Physical Review Letters, 2019, 122, 101301.	2.9	42
101	Clusters of Primordial Black Holes. European Physical Journal C, 2019, 79, 1.	1.4	126
102	Clustering of primordial black holes formed in a matter-dominated epoch. Physical Review D, 2019, 100, .	1.6	20
103	Primordial black holes with multimodal mass spectra. Physical Review D, 2019, 99, .	1.6	30
104	Pulsar timing array constraints on the induced gravitational waves. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 059-059.	1.9	72
105	Scaling attractors in multi-field inflation. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 059-059.	1.9	44
106	Primordial black holes and the origin of the matterâ€“antimatter asymmetry. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20190091.	1.6	7
107	Constraining Primordial Black Hole Abundance with the Galactic 511ÂkeV Line. Physical Review Letters, 2019, 123, 251102.	2.9	100
108	Gravitational waves induced from string axion model of inflation. International Journal of Modern Physics A, 2019, 34, 1950213.	0.5	7

#	Article	IF	Citations
109	Primordial Black Holes as a Dark Matter Candidate Are Severely Constrained by the Galactic Center 511ÂkeV<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-Ray Line. Physical Review Letters, 2019, 123, 251101.	2.9	175
110	On the diversity of stationary cosmologies in the first half of the twentieth century. General Relativity and Gravitation, 2019, 51, 1.	0.7	1
111	Positrons from primordial black hole microquasars and gamma-ray bursts. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 538-544.	1.5	23
112	On bubble collisions in strongly supercooled phase transitions. Physics of the Dark Universe, 2020, 30, 100672.	1.8	52
113	Primordial Black Holes as Dark Matter: Recent Developments. Annual Review of Nuclear and Particle Science, 2020, 70, 355-394.	3.5	400
114	Attractors, bifurcations and curvature in multi-field inflation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 006-006.	1.9	24
115	Generating PBHs and small-scale GWs in two-field models of inflation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 001-001.	1.9	129
116	Spin of primordial black holes. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 017-017.	1.9	69
117	Primordial black holes from no-scale supergravity. Physical Review D, 2020, 102, .	1.6	20
118	Exploring Primordial Black Holes from the Multiverse with Optical Telescopes. Physical Review Letters, 2020, 125, 181304.	2.9	66
119	Seeding Primordial Black Holes in Multifield Inflation. Physical Review Letters, 2020, 125, 121301.	2.9	92
120	Testing kinetically coupled inflation models with CMB distortions. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 017-017.	1.9	5
121	Constraints on primordial black holes from big bang nucleosynthesis revisited. Physical Review D, 2020, 102, .	1.6	32
123	Universal infrared scaling of gravitational wave background spectra. Physical Review D, 2020, 102, .	1.6	79
124	Primordial black hole formation in inflationary <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math> -attractor models. Physical Review D, 2020, 101, .	1.6	36
125	Primordial black holes and secondary gravitational waves from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>k</mml:mi></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>G</mml:mi></mml:math> inflation. Physical Review D, 2020, 101, .	1.6	79
126	Constraining the abundance of primordial black holes with gravitational lensing of gravitational waves at LIGO frequencies. Physical Review D, 2020, 101, .	1.6	49
127	The final fate of supermassive M âˆ¼ 5ÂÃ—Â104â€‰MâŠ™ Pop III stars: explosion or collapse?. Monthly Notices of the Royal Astronomical Society, 2020, 496, 1224-1231.	1.6	12

#	Article	IF	Citations
128	The MUSE-Faint survey. Astronomy and Astrophysics, 2020, 635, A107.	2.1	21
129	The exponential tail of inflationary fluctuations: consequences for primordial black holes. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 029-029.	1.9	101
130	Prospects for probing ultralight primordial black holes using the stochastic gravitational-wave background induced by primordial curvature perturbations. Physical Review D, 2020, 101, .	1.6	12
131	Gravitational wave production right after a primordial black hole evaporation. Physical Review D, 2020, 101, .	1.6	80
132	Lensing of fast radio bursts: Future constraints on primordial black hole density with an extended mass function and a new probe of exotic compact fermion and boson stars. Physical Review D, 2020, 102, .	1.6	26
133	Primordial black holes dark matter from inflection point models of inflation and the effects of reheating. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 037-037.	1.9	60
134	Entanglement entropy of primordial black holes after inflation. Physical Review D, 2020, 101, .	1.6	3
135	Cusp-to-core transition in low-mass dwarf galaxies induced by dynamical heating of cold dark matter by primordial black holes. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5218-5225.	1.6	18
136	Improved constraints from ultra-faint dwarf galaxies on primordial black holes as dark matter. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5247-5260.	1.6	21
137	Gravitational waves from double-inflection-point inflation. Physical Review D, 2020, 101, .	1.6	52
138	The signature of primordial black holes in the dark matter halos of galaxies. Astronomy and Astrophysics, 2020, 633, A107.	2.1	32
139	Black Hole Coagulation: Modeling Hierarchical Mergers in Black Hole Populations. Astrophysical Journal, 2020, 893, 35.	1.6	66
140	Enhanced detectability of spinning primordial black holes. European Physical Journal C, 2020, 80, 1.	1.4	16
141	Primordial black holes as dark matter and gravitational waves from bumpy axion inflation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 040-040.	1.9	45
142	The Clustering Dynamics of Primordial Black Holes in N-Body Simulations. Universe, 2021, 7, 18.	0.9	36
143	Primordial black holes in Higgs-R² inflation as the whole of dark matter. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 032-032.	1.9	50
144	Primordial Black Holes from Long-Range Scalar Forces and Scalar Radiative Cooling. Physical Review Letters, 2021, 126, 041101.	2.9	46
145	GUT baryogenesis with primordial black holes. Physical Review D, 2021, 103, .	1.6	43

#	Article	IF	Citations
146	Black Hole Science With the Laser Interferometer Space Antenna. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	12
147	Primordial black holes as a dark matter candidate. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 043001.	1.4	303
148	Primordial black holes and secondary gravitational waves from the Higgs field. Physical Review D, 2021, 103, .	1.6	26
149	Primordial black holes and scalar-induced secondary gravitational waves from inflationary models with a noncanonical kinetic term. Physical Review D, 2021, 103, .	1.6	46
150	Multimessenger probes of inflationary fluctuations and primordial black holes. Physical Review D, 2021, 103, .	1.6	27
151	Lepton flavor asymmetries and the mass spectrum of primordial black holes. Physical Review D, 2021, 103, .	1.6	9
152	Implications of the NANOGrav result on primordial gravitational waves in nonstandard cosmologies. Physical Review D, 2021, 103, .	1.6	26
153	Testing stochastic gravitational wave signals from primordial black holes with optical telescopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 814, 136097.	1.5	44
154	A possible mass distribution of primordial black holes implied by LIGO-Virgo. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 058.	1.9	21
155	Mechanism of producing primordial black holes by breaking the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>SU</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mo>,</mml:mo><mml:mtext>â€‰</mml:mtext><mml:mn>1</mml:mn><mml:mo stretchy="false">) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 357 Td (stretchy="false">	1.6	14
156	Primordial non-Gaussianity from G-inflation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 045.	1.9	18
157	Could PBHs and secondary GWs have originated from squeezed initial states?. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 010.	1.9	11
158	A Brief Review on Primordial Black Holes as Dark Matter. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	80
159	Prospects of future CMB anisotropy probes for primordial black holes. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 051.	1.9	16
160	New horizons in cosmology with spectral distortions of the cosmic microwave background. Experimental Astronomy, 2021, 51, 1515-1554.	1.6	68
161	Primordial black holes and secondary gravitational waves from chaotic inflation. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	23
162	Stringy-running-vacuum-model inflation: from primordial gravitational waves and stiff axion matter to dynamical dark energy. European Physical Journal: Special Topics, 2021, 230, 2077-2110.	1.2	31
163	Double peaks of gravitational wave spectrum induced from inflection point inflation. European Physical Journal C, 2021, 81, 1.	1.4	14

#	Article	IF	Citations
164	Reconstruction of potentials of hybrid inflation in the light of primordial black hole formation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 054.	1.9	10
165	On primordial black holes from rapid turns in two-field models. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 004.	1.9	26
166	Probing non-Gaussianities with the high frequency tail of induced gravitational waves. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 001.	1.9	48
167	EFT compatible PBHs: effective spawning of the seeds for primordial black holes during inflation. Journal of High Energy Physics, 2021, 2021, 1.	1.6	56
168	Features of the inflaton potential and the power spectrum of cosmological perturbations. Physical Review D, 2021, 104, .	1.6	28
169	Small scale induced gravitational waves from primordial black holes, aÂstringent lower mass bound, and the imprints of an early matter toÂradiation transition. Physical Review D, 2021, 104, .	1.6	21
170	Hierarchical mergers of stellar-mass black holes and their gravitational-wave signatures. Nature Astronomy, 2021, 5, 749-760.	4.2	98
171	Primordial black holes and secondary gravitational waves from natural inflation. Nuclear Physics B, 2021, 969, 115480.	0.9	32
172	Advanced Virgo: Status of the Detector, Latest Results and Future Prospects. Universe, 2021, 7, 322.	0.9	15
173	Pressâ€“Schechter primordial black hole mass functions and their observational constraints. Monthly Notices of the Royal Astronomical Society, 2021, 507, 4804-4825.	1.6	9
174	Unveiling the gravitational universe at Î¼-Hz frequencies. Experimental Astronomy, 2021, 51, 1333-1383.	1.6	88
175	Spins of primordial black holes formed in different cosmological scenarios. Physical Review D, 2021, 104, .	1.6	24
176	511ÂkeV excess and primordial black holes. Physical Review D, 2021, 104, .	1.6	11
177	Primordial Black Holes as Dark Matter and Generators of Cosmic Structure. Thirty Years of Astronomical Discovery With UKIRT, 2019, , 29-39.	0.3	9
178	Constraining the masses of microlensing black holes and the mass gap with Gaia DR2. Astronomy and Astrophysics, 2020, 636, A20.	2.1	81
179	Primordial black holes from a tiny bump/dip in the inflaton potential. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 007-007.	1.9	90
180	PBH in single field inflation: the effect of shape dispersion and non-Gaussianities. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 022-022.	1.9	58
181	Spiky CMB distortions from primordial bubbles. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 037-037.	1.9	4

#	Article	IF	Citations
182	Primordial black hole formation by vacuum bubbles. Part II. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 023-023.	1.9	22
183	Gravitational waves induced by scalar perturbations with a lognormal peak. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 037-037.	1.9	91
184	Formation of primordial black holes from warm inflation. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 042-042.	1.9	26
185	Constraints on stupendously large black holes. Monthly Notices of the Royal Astronomical Society, 2021, 501, 2029-2043.	1.6	43
186	Primordial black holes from the QCD epoch: linking dark matter, baryogenesis, and anthropic selection. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1426-1439.	1.6	37
187	Gravitational wave probes of dark matter: challenges and opportunities. SciPost Physics Core, 2020, 3, .	0.9	52
188	Primordial Black Holes. , 2018, , .		3
189	Primordial Black Holes. , 2021, , 1-18.		0
190	Solar mass primordial black holes in moduli dominated universe. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 071.	1.9	5
191	Is GW170817 a multimessenger neutron star-primordial black hole merger?. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 019.	1.9	9
192	Mechanism of primordial black holes production and secondary gravitational waves in Î±-attractor Galileon inflationary scenario. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 018.	1.9	15
193	Scalar Induced Gravitational Waves Review. Universe, 2021, 7, 398.	0.9	180
194	Primordial black holes formation in the inflationary model with field-dependent kinetic term for quartic and natural potentials. European Physical Journal C, 2021, 81, 1.	1.4	18
195	Controversy Continues over Black Holes as Dark Matter. Physics Magazine, 0, 11, .	0.1	0
196	Black Holes Across Cosmic History: A Journey Through 13.8 Billion Years. Saas-Fee Advanced Course, 2019, , 159-212.	1.1	0
197	Primordial Black Holes as Dark Matter: New Formation Scenarios and Astrophysical Effects. Thirty Years of Astronomical Discovery With UKIRT, 2019, , 91-96.	0.3	0
198	Was There a Negative Vacuum Energy in Your Past?. Journal of Modern Physics, 2019, 10, 1166-1176.	0.3	0
199	Primordial black holes from the perturbations in the inflaton potential in peak theory. Physical Review D, 2021, 104, .	1.6	18

#	Article	IF	Citations
200	Primordial black holes from Gauss-Bonnet-corrected single field inflation. Physical Review D, 2021, 104, .	1.6	72
201	The Impact of the Mass Spectrum of Lenses in Quasar Microlensing Studies. Constraints on a Mixed Population of Primordial Black Holes and Stars. Astrophysical Journal, 2020, 904, 176.	1.6	5
202	The Gravitational-wave physics II: Progress. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	54
203	Primordial black holes from the perturbations in the inflaton potential. Physics of the Dark Universe, 2021, 34, 100905.	1.8	3
204	Has LIGO detected primordial black hole dark matter? - tidal disruption in binary black hole formation. Research in Astronomy and Astrophysics, 2020, 20, 185.	0.7	0
205	Primordial black holes from a cosmic phase transition: The collapse of Fermi-balls. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136791.	1.5	56
206	Constant-rate inflation: primordial black holes from conformal weight transitions. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19
207	Spectrum oscillations from features in the potential of single-field inflation. Physical Review D, 2021, 104, .	1.6	27
208	Primordial black holes in nonminimal derivative coupling inflation with quartic potential and reheating consideration. European Physical Journal C, 2022, 82, 1.	1.4	13
209	PBH Formation from Spherically Symmetric Hydrodynamical Perturbations: A Review. Universe, 2022, 8, 66.	0.9	28
210	GW200105 and GW200115 are compatible with a scenario of primordial black hole binary coalescences. European Physical Journal C, 2022, 82, 1.	1.4	12
211	Stochastic inflation at all order in slow-roll parameters: Foundations. Physical Review D, 2022, 105, .	1.6	12
212	Constraints on the abundance of primordial black holes with different mass distributions from lensing of fast radio bursts. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1141-1152.	1.6	8
213	Search for a Scalar Induced Stochastic Gravitational Wave Background in the Third LIGO-Virgo Observing Run. Physical Review Letters, 2022, 128, 051301.	2.9	21
214	Primordial black holes from spectator field bubbles. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 017.	1.9	15
215	Statistics of coarse-grained cosmological fields in stochastic inflation. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 021.	1.9	19
216	Constraints on primordial black holes. Reports on Progress in Physics, 2021, 84, 116902.	8.1	391
217	Constraining spinning primordial black holes with global 21-cm signal. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4236-4241.	1.6	9

#	Article	IF	Citations
218	Gravitational waves and primordial black holes from supersymmetric hybrid inflation. Physical Review D, 2021, 104, .	1.6	21
219	Primordial black holes and secondary gravitational waves from string inspired general no-scale supergravity. Physical Review D, 2021, 104, .	1.6	14
220	Quantum gravity phenomenology at the dawn of the multi-messenger eraâ€"A review. Progress in Particle and Nuclear Physics, 2022, 125, 103948.	5.6	175
221	Detecting Subsolar-Mass Primordial Black Holes in Extreme Mass-Ratio Inspirals with LISA and Einstein Telescope. Physical Review Letters, 2022, 128, 111104.	2.9	14
222	Search for Lensing Signatures from the Latest Fast Radio Burst Observations and Constraints on the Abundance of Primordial Black Holes. Astrophysical Journal, 2022, 928, 124.	1.6	19
223	How to assess the primordial origin of single gravitational-wave events with mass, spin, eccentricity, and deformability measurements. Physical Review D, 2022, 105, .	1.6	22
224	Primordial black hole formation with full numerical relativity. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 029.	1.9	17
225	Primordial black holes ensued from exponential potential and coupling parameter in nonminimal derivative inflation model. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 033.	1.9	11
226	Mergers of maximally charged primordial black holes. Physical Review D, 2022, 105, .	1.6	7
227	Interstellar gas heating by primordial black holes. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 017.	1.9	12
228	Constraints on the abundance of supermassive primordial black holes from lensing of compact radio sources. Monthly Notices of the Royal Astronomical Society, 2022, 513, 3627-3633.	1.6	7
229	Primordial Black Holes and a Common Origin of Baryons and Dark Matter. Universe, 2022, 8, 12.	0.9	11
230	Testing Primordial Black Holes with multi-band observations of the stochastic gravitational wave background. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 012.	1.9	17
231	The Cuspâ€"Core Problem in Gas-Poor Dwarf Spheroidal Galaxies. Galaxies, 2022, 10, 5.	1.1	9
232	Gravity waves and primordial black holes in scalar warm little inflation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 052.	1.9	19
233	Black hole production of monopoles in the early universe. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
234	On Mass Spectra of Primordial Black Holes. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	2
235	Primordial black holes as dark matter candidates. SciPost Physics Lecture Notes, 0, , .	0.0	59

#	Article	IF	Citations
236	Simulation of primordial black holes with large negative non-Gaussianity. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 012.	1.9	26
237	Quasinormal modes and late-time falloff of Finslerian black holes with cosmological constant. Physical Review D, 2022, 105, .	1.6	4
238	NANOGrav signal and LIGO-Virgo primordial black holes from the Higgs field. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 046.	1.9	16
239	Formation and Abundance of Late-forming Primordial Black Holes as Dark Matter. Astrophysical Journal, 2022, 932, 119.	1.6	19
240	Review on Stochastic Approach to Inflation. Universe, 2022, 8, 334.	0.9	10
241	Searching for mass-spin correlations in the population of gravitational-wave events: The GWTC-3 case study. Physical Review D, 2022, 105, .	1.6	17
242	Primordial black holes from an electroweak phase transition. Physical Review D, 2022, 105, .	1.6	29
243	Primordial Black Holes. , 2022, , 1121-1138.		0
244	New horizons for fundamental physics with LISA. Living Reviews in Relativity, 2022, 25, .	8.2	82
245	Constraining High-redshift Stellar-mass Primordial Black Holes with Next-generation Ground-based Gravitational-wave Detectors. Astrophysical Journal Letters, 2022, 933, L41.	3.0	26
246	Effective field theory of waterfall in hybrid inflation. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 021.	1.9	3
247	Doubly peaked induced stochastic gravitational wave background: testing baryogenesis from primordial black holes. Journal of High Energy Physics, 2022, 2022, .	1.6	33
248	Hybrid cosmological attractors. Physical Review D, 2022, 106, .	1.6	25
249	Energetics and scattering of gravitational two-body systems at fourth post-Minkowskian order. Physical Review D, 2022, 106, .	1.6	29
250	Discovery of Faint Double-peak HÎ± Emission in the Halo of Low Redshift Galaxies. Astrophysical Journal, 2022, 934, 100.	1.6	3
251	Constraining primordial black holes using fast radio burst gravitational-lens interferometry with CHIME/FRB. Physical Review D, 2022, 106, .	1.6	16
252	Search for Subsolar-Mass Binaries in the First Half of Advanced LIGOâ€™s and Advanced Virgoâ€™s Third Observing Run. Physical Review Letters, 2022, 129, .	2.9	21
253	Non-Gaussianity and secondary gravitational waves from primordial black holes production in $$alpha $$-attractor inflation. European Physical Journal C, 2022, 82, .	1.4	13

#	Article	IF	Citations
254	Primordial black holes and gravitational waves in multiaxion-Chern-Simons inflation. Physical Review D, 2022, 106, .	1.6	4
255	Induced gravitational waves from slow-roll inflation after an enhancing phase. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 016.	1.9	16
256	PBH assisted search for QCD axion dark matter. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 072.	1.9	6
257	Primordial black holes from multifield inflation with nonminimal couplings. Physical Review D, 2022, 106, .	1.6	28
258	The inflaton that could: primordial black holes and second order gravitational waves from tachyonic instability induced in Higgs-R²inflation. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 015.	1.9	12
259	Numerical simulations of stochastic inflation using importance sampling. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 067.	1.9	11
260	Current and future neutrino limits on the abundance of primordial black holes. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 068.	1.9	6
261	Hunt for light primordial black hole dark matter with ultrahigh-frequency gravitational waves. Physical Review D, 2022, 106, .	1.6	23
262	Detection of early-universe gravitational-wave signatures and fundamental physics. General Relativity and Gravitation, 2022, 54, .	0.7	34
263	Impact of radiation from primordial black holes on the 21-cm angular-power spectrum in the dark ages. Physical Review D, 2022, 106, .	1.6	0
264	Constraining <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>F</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>R</mml:mi><mml:mo stretchy="false">)</mml:mo></mml:math> bouncing cosmologies through primordial black holes. Physical Review D, 2022, 106, .	1.6	5
265	Probing primordial black holes with anisotropies in stochastic gravitational-wave background. Physical Review D, 2022, 106, .	1.6	7
266	The interplay between the dark matter axion and primordial black holes. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 021.	1.9	9
267	Gravitational waves from no-scale supergravity. European Physical Journal C, 2023, 83, .	1.4	3
268	Tracking the origin of black holes with the stochastic gravitational wave background popcorn signal. Monthly Notices of the Royal Astronomical Society, 2023, 519, 6008-6019.	1.6	6
269	From inflation to black hole mergers and back again: Gravitational-wave data-driven constraints on inflationary scenarios with a first-principle model of primordial black holes across the QCD epoch. Physical Review D, 2022, 106, .	1.6	40
270	Possible Discrimination of Black Hole Origins from the Lensing Rate of DECIGO and B-DECIGO Sources. Astrophysical Journal, 2023, 943, 29.	1.6	2
271	Constraints on primordial curvature spectrum from primordial black holes and scalar-induced gravitational waves. European Physical Journal C, 2023, 83, .	1.4	19

#	Article	IF	Citations
272	Gravitational leptogenesis from metric perturbations. Physical Review D, 2023, 107, .	1.6	0
273	Detecting sublunar-mass primordial black holes with the Earth-Moon binary system. Physical Review D, 2023, 107, .	1.6	1
274	A new constraint on the Hawking evaporation of primordial black holes in the radiation-dominated era. European Physical Journal C, 2023, 83, .	1.4	0
275	Questions on calculation of primordial power spectrum with large spikes: the resonance model case. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 011.	1.9	22
276	Towards a reliable reconstruction of the power spectrum of primordial curvature perturbation on small scales from GWTC-3. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 838, 137720.	1.5	16
277	Extended primordial black hole mass functions with a spike. Monthly Notices of the Royal Astronomical Society, 2023, 520, 4276-4288.	1.6	0
278	Primordial black holes and scalar induced gravitational waves from Higgs inflation with noncanonical kinetic term. Physical Review D, 2023, 107, .	1.6	21
279	Primordial black holes and scalar-induced gravitational waves from the perturbations on the inflaton potential in peak theory. Physical Review D, 2023, 107, .	1.6	5
280	Primordial Black Hole Formation in Non-Standard Post-Inflationary Epochs. Galaxies, 2023, 11, 35.	1.1	5
281	Primordial black holes and gravitational waves from nonminimally coupled supergravity inflation. Physical Review D, 2023, 107, .	1.6	16
282	Search for subsolar-mass black hole binaries in the second part of Advanced LIGOâ€™s and Advanced Virgoâ€™s third observing run. Monthly Notices of the Royal Astronomical Society, 2023, 524, 5984-5992.	1.6	2
283	Anatomy of single-field inflationary models for primordial black holes. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 013.	1.9	38
284	Primordial black holes from Higgs inflation with a Gauss-Bonnet coupling. Physical Review D, 2023, 107, .	1.6	6
285	Detectable gravitational wave signals from inflationary preheating. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 840, 137825.	1.5	3
286	Astrophysics with the Laser Interferometer Space Antenna. Living Reviews in Relativity, 2023, 26, .	8.2	107
287	Prospects of probing dark matter condensates with gravitational waves. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 041.	1.9	3
288	Primordial black holes and scalar-induced gravitational waves from the generalized Brans-Dicke theory. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 048.	1.9	14
289	Massive Galaxy Clusters Like El Gordo Hint at Primordial Quantum Diffusion. Physical Review Letters, 2023, 130, .	2.9	3

#	Article	IF	Citations
290	Lensing constraints on ultradense dark matter halos. Physical Review D, 2023, 107, .	1.6	6
291	Generation of primordial black holes from an inflation model with modified dispersion relation. Physical Review D, 2023, 107, .	1.6	3
292	Hybrid Î±-attractors, primordial black holes and gravitational wave backgrounds. Journal of Cosmology and Astroparticle Physics, 2023, 2023, 033.	1.9	18
293	Turning in the landscape: A new mechanism for generating primordial black holes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 841, 137921.	1.5	21
327	Cosmological gravitational waves from isocurvature fluctuations. AAPPS Bulletin, 2024, 34, .	2.7	0