

# Misao Sasaki

## List of Publications by Year in descending order

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303  
papers

18,177  
citations

14655

66  
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15266

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g-index

306  
all docs

306  
docs citations

306  
times ranked

4966  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cosmological Perturbation Theory. Progress of Theoretical Physics Supplement, 1984, 78, 1-166.	0.1	1,287
2	The Einstein equations on the 3-brane world. Physical Review D, 2000, 62, .	4.7	1,158
3	Primordial Black Hole Scenario for the Gravitational-Wave Event GW150914. Physical Review Letters, 2016, 117, 061101.	7.8	636
4	Gauss-Bonnet dark energy. Physical Review D, 2005, 71, .	4.7	578
5	A general proof of the conservation of the curvature perturbation. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 004-004.	5.4	576
6	Primordial black holes—perspectives in gravitational wave astronomy. Classical and Quantum Gravity, 2018, 35, 063001.	4.0	551
7	The Japanese space gravitational wave antenna: DECIGO. Classical and Quantum Gravity, 2011, 28, 094011.	4.0	456
8	The Japanese space gravitational wave antenna—DECIGO. Classical and Quantum Gravity, 2006, 23, S125-S131.	4.0	388
9	Gravitational radiation reaction to a particle motion. Physical Review D, 1997, 55, 3457-3476.	4.7	372
10	Non-Gaussianity of the primordial perturbation in the curvaton model. Physical Review D, 2006, 74, .	4.7	308
11	Gravitational Waves from Coalescing Black Hole MACHO Binaries. Astrophysical Journal, 1997, 487, L139-L142.	4.5	292
12	Gravitational Waves Induced by Non-Gaussian Scalar Perturbations. Physical Review Letters, 2019, 122, 201101.	7.8	271
13	Stable Operation of a 300-m Laser Interferometer with Sufficient Sensitivity to Detect Gravitational-Wave Events within Our Galaxy. Physical Review Letters, 2001, 86, 3950-3954.	7.8	255
14	Analytic Black Hole Perturbation Approach to Gravitational Radiation. Living Reviews in Relativity, 2003, 6, 6.	26.7	238
15	Black hole formation in the Friedmann universe: Formulation and computation in numerical relativity. Physical Review D, 1999, 60, .	4.7	224
16	Violation of non-Gaussianity consistency relation in a single-field inflationary model. Europhysics Letters, 2013, 101, 39001.	2.0	219
17	Gravity, stability, and energy conservation on the Randall-Sundrum brane world. Physical Review D, 2000, 62, .	4.7	209
18	Brane-world creation and black holes. Physical Review D, 2000, 62, .	4.7	183

#	ARTICLE	IF	CITATIONS
19	Calculating the mass fraction of primordial black holes. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 045-045.	5.4	178
20	Primordial trispectrum from inflation. Physical Review D, 2006, 74, .	4.7	173
21	Scalaron from $R^2$ -gravity as a heavy field. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 042-042.	5.4	173
22	Enhancement of superhorizon scale inflationary curvature perturbations. Physical Review D, 2001, 64, .	4.7	152
23	The status of DECIGO. Journal of Physics: Conference Series, 2017, 840, 012010.	0.4	148
24	Analytic approach to the perturbative expansion of nonlinear gravitational fluctuations in cosmological density and velocity fields. Physical Review D, 1992, 46, 585-602.	4.7	140
25	Large-Angle Cosmic Microwave Background Anisotropy in an Open Universe in the One-Bubble Inflationary Scenario. Astrophysical Journal, 1995, 455, 412.	4.5	137
26	Large-scale cosmological perturbations on the brane. Physical Review D, 2001, 63, .	4.7	128
27	New calculation of the mass fraction of primordial black holes. Physical Review D, 2004, 70, .	4.7	128
28	Junction Conditions in $f(R)$ Theories of Gravity. Progress of Theoretical Physics, 2008, 119, 237-251.	2.0	127
29	Calculating the Gravitational Self-Force in Schwarzschild Spacetime. Physical Review Letters, 2002, 88, 091101.	7.8	126
30	The magnitude-redshift relation in a perturbed Friedmann universe. Monthly Notices of the Royal Astronomical Society, 1987, 228, 653-669.	4.4	125
31	Chapter 1. Black Hole Perturbation. Progress of Theoretical Physics Supplement, 1997, 128, 1-121.	0.1	123
32	Large-scale magnetic fields in the inflationary universe. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 030-030.	5.4	122
33	Gravitational radiation from a particle in circular orbit around a black hole. V. Black-hole absorption and tail corrections. Physical Review D, 1995, 51, 5753-5767.	4.7	119
34	Observable spectra of induced gravitational waves from inflation. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 017-017.	5.4	112
35	Euclidean vacuum mode functions for a scalar field on open de Sitter space. Physical Review D, 1995, 51, 2979-2995.	4.7	110
36	A single field inflation model with large local non-Gaussianity. Europhysics Letters, 2013, 102, 59001.	2.0	108

#	ARTICLE	IF	CITATIONS
37	Stochastic approach to chaotic inflation and the distribution of universes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 219, 240-246.	4.1	106
38	Curvature perturbation spectrum in two-field inflation with a turning trajectory. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 051-051.	5.4	102
39	Reheating after quintessential inflation and gravitational waves. Classical and Quantum Gravity, 2004, 21, 1761-1771.	4.0	100
40	Correlated Perturbations from Inflation and the Cosmic Microwave Background. Physical Review Letters, 2002, 88, 211302.	7.8	97
41	Multi-production of universes by first-order phase transition of a vacuum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 108, 103-107.	4.1	96
42	EVOLUTION OF ISOCURVATURE PERTURBATIONS I: PHOTON-BARYON UNIVERSE. International Journal of Modern Physics A, 1986, 01, 265-301.	1.5	94
43	Analytic description of primordial black hole formation from scalar field fragmentation. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 077-077.	5.4	94
44	Induced gravitational waves as a probe of thermal history of the universe. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 017-017.	5.4	93
45	Gravitational waves induced by scalar perturbations with a lognormal peak. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 037-037.	5.4	91
46	Brane-world inflation without inflaton on the brane. Physical Review D, 2001, 63, .	4.7	89
47	Large Non-Gaussianity from Multi-Brid Inflation. Progress of Theoretical Physics, 2009, 121, 193-210.	2.0	89
48	Gravitational waves from a spinning particle in circular orbits around a rotating black hole. Physical Review D, 1996, 54, 3762-3777.	4.7	87
49	Schwinger effect in de Sitter space. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 009-009.	5.4	86
50	Relativistic Stars with Poloidal and Toroidal Magnetic Fields and Meridional Flow. Astrophysical Journal, 2004, 600, 296-316.	4.5	85
51	The Density Perturbation in the Chaotic Inflation with Non-Minimal Coupling. Progress of Theoretical Physics, 1991, 86, 103-118.	2.0	84
52	CMB in open inflation. Physical Review D, 1999, 59, .	4.7	83
53	Universal infrared scaling of gravitational wave background spectra. Physical Review D, 2020, 102, .	4.7	79
54	Canonical quantization of cosmological perturbations in the one-bubble open universe. Nuclear Physics B, 1998, 513, 343-374.	2.5	76

#	ARTICLE	IF	CITATIONS
55	Observable induced gravitational waves from an early matter phase. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 033-033.	5.4	75
56	Primordial black holes and gravitational waves from resonant amplification during inflation. Physical Review D, 2020, 102, .	4.7	75
57	Equilateral non-Gaussianity from heavy fields. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 043-043.	5.4	74
58	Space gravitational-wave antennas DECIGO and B-DECIGO. International Journal of Modern Physics D, 2019, 28, 1845001.	2.1	73
59	Classical behavior of a scalar field in the inflationary universe. Nuclear Physics B, 1988, 308, 868-884.	2.5	72
60	Effects of particle production during inflation. Physical Review D, 2008, 78, .	4.7	71
61	First search for gravitational waves from inspiraling compact binaries using TAMA300 data. Physical Review D, 2001, 63, .	4.7	70
62	Revisiting non-Gaussianity from non-attractor inflation models. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 012-012.	5.4	70
63	Creation of Schwarzschild-de Sitter wormholes by a cosmological first-order phase transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 108, 98-102.	4.1	69
64	Graviton emission from a higher-dimensional black hole. Journal of High Energy Physics, 2006, 2006, 012-012.	4.7	69
65	Light propagation and the distance-redshift relation in a realistic inhomogeneous universe. Physical Review D, 1989, 40, 2502-2510.	4.7	67
66	Post-Newtonian Expansion of Gravitational Waves from a Particle in Circular Orbit around a Schwarzschild Black Hole. Progress of Theoretical Physics, 1994, 92, 745-771.	2.0	67
67	Exploring Primordial Black Holes from the Multiverse with Optical Telescopes. Physical Review Letters, 2020, 125, 181304.	7.8	66
68	Post-Newtonian expansion of gravitational waves from a particle in circular orbit around a rotating black hole: Up to $\mathcal{O}(v^8)$ beyond the quadrupole formula. Physical Review D, 1996, 54, 1439-1459.	4.7	64
69	Quantum state inside a vacuum bubble and the creation of an open universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 317, 510-516.	4.1	63
70	Screening of cosmological constant in non-local gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 278-282.	4.1	63
71	A class of new perturbation equations for the Kerr geometry. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 89, 68-70.	2.1	61
72	Cosmological disformal invariance. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 067-067.	5.4	61

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73	EVOLUTION OF ISOCURVATURE PERTURBATIONS II: RADIATION-DUST UNIVERSE. International Journal of Modern Physics A, 1987, 02, 491-560.	1.5	60
74	Diagrammatic approach to non-Gaussianity from inflation. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 027-027.	5.4	59
75	Kerr-Schild ansatz in Einstein-Gauss-Bonnet gravity: an exact vacuum solution in five dimensions. Classical and Quantum Gravity, 2009, 26, 065002.	4.0	59
76	Conformal invariance of curvature perturbation. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 023-023.	5.4	59
77	Quasilinear theory of cosmological self-gravitating systems. Physical Review Letters, 1991, 66, 264-267.	7.8	58
78	Action growth of charged black holes with a single horizon. Physical Review D, 2017, 95, .	4.7	58
79	Quantum fluctuations and CMB anisotropies in one-bubble open inflation models. Physical Review D, 1996, 54, 5031-5048.	4.7	57
80	Conformal Equivalence in Classical Gravity: the Example of Veiled General Relativity. Springer Proceedings in Physics, 2011, , 247-260.	0.2	57
81	SCREENING OF COSMOLOGICAL CONSTANT IN NON-LOCAL COSMOLOGY. International Journal of Modern Physics D, 2012, 21, 1250006.	2.1	56
82	Innermost stable circular orbits around relativistic rotating stars. Physical Review D, 1998, 58, .	4.7	55
83	Reconstructing the Primordial Spectrum from WMAP Data by the Cosmic Inversion Method. Astrophysical Journal, 2004, 607, 32-39.	4.5	55
84	Spectrum of cosmological perturbations in the one-bubble open universe. Nuclear Physics B, 1999, 551, 317-373.	2.5	54
85	Casimir energy for de Sitter branes in bulk AdS5. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 542, 289-294.	4.1	54
86	Note on the equivalence of a barotropic perfect fluid with a k-essence scalar field. Physical Review D, 2010, 81, .	4.7	52
87	Open inflation in the landscape. Physical Review D, 2011, 84, .	4.7	52
88	Conformal frame dependence of inflation. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 022-022.	5.4	52
89	Gravitational wave constraints on the primordial black hole dominated early universe. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 062.	5.4	52
90	Stochastic stage of an inflationary universe model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 205, 441-446.	4.1	50

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91	Gravitational waves from a particle orbiting around a rotating black hole: Post-Newtonian expansion. <i>Physical Review D</i> , 1995, 51, 1646-1663.	4.7	50
92	Large and strong scale dependent bispectrum in single field inflation from a sharp feature in the mass. <i>Physical Review D</i> , 2011, 84, .	4.7	50
93	The gravitational waves from the first-order phase transition with a dimension-six operator. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 004-004.	5.4	50
94	In-in and $\hat{\Gamma}$ calculations of the bispectrum from non-attractor single-field inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 039-039.	5.4	49
95	Canonical formulation of quantum tunneling with dissipation. <i>Physical Review Letters</i> , 1992, 68, 1093-1096.	7.8	45
96	Quantum fluctuations on a thick de Sitter brane. <i>Nuclear Physics B</i> , 2006, 737, 121-152.	2.5	45
97	Testing stochastic gravitational wave signals from primordial black holes with optical telescopes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 814, 136097.	4.1	44
98	Screening of cosmological constant for de Sitter Universe in non-local gravity, phantom-divide crossing and finite-time future singularities. <i>General Relativity and Gravitation</i> , 2012, 44, 1321-1356.	2.0	42
99	Quantum treatment of cosmological axion perturbations. <i>Physical Review D</i> , 1990, 42, 3918-3924.	4.7	40
100	Exploring evaporating primordial black holes with gravitational waves. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 823, 136722.	4.1	40
101	Self-excitation of the tunneling scalar field in false vacuum decay. <i>Physical Review D</i> , 1996, 53, 2045-2061.	4.7	39
102	Gauge problem in the gravitational self-force: Harmonic gauge approach in the Schwarzschild background. <i>Physical Review D</i> , 2003, 67, .	4.7	39
103	DECIGO and DECIGO pathfinder. <i>Classical and Quantum Gravity</i> , 2010, 27, 084010.	4.0	39
104	Bulk scalar field in the braneworld can mimic the 4D inflaton dynamics. <i>Physical Review D</i> , 2002, 65, .	4.7	38
105	Constraints on the primordial curvature perturbation from primordial black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 010-010.	5.4	38
106	Conservation of the nonlinear curvature perturbation in generic single-field inflation. <i>Classical and Quantum Gravity</i> , 2011, 28, 072001.	4.0	38
107	Curvature perturbation in multi-field inflation with non-minimal coupling. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 039-039.	5.4	38
108	Naked Black Hole Firewalls. <i>Physical Review Letters</i> , 2016, 116, 161304.	7.8	38

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109	Entropy production in an expanding universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 163, 59-62.	4.1	37
110	Superexpansory divergence: breakdown of perturbative quantum field theory in spacetime with accelerated expansion. Classical and Quantum Gravity, 1993, 10, L55-L60.	4.0	36
111	Non-Gaussianity of superhorizon curvature perturbations beyond $\hat{\Gamma}N$ formalism. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 019-019.	5.4	36
112	Observer dependence of bubble nucleation and Schwinger pair production. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 006-006.	5.4	36
113	Approximate gauge independence of the induced gravitational wave spectrum. Physical Review D, 2021, 103, .	4.7	36
114	The regge-wheeler equation with sources for both even and odd parity perturbations of the schwarzschild geometry. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 87, 85-88.	2.1	35
115	Cosmic inversion: Reconstructing the primordial spectrum from CMB anisotropy. Physical Review D, 2002, 65, .	4.7	35
116	A viable explanation of the CMB dipolar statistical anisotropy. Progress of Theoretical and Experimental Physics, 2013, 2013, 111E01-111E01.	6.6	35
117	Forming sub-horizon black holes at the end of inflation. Journal of Cosmology and Astroparticle Physics, 2006, 2006, 011-011.	5.4	34
118	Thin-shell bubbles and information loss problem in anti de Sitter background. Journal of High Energy Physics, 2014, 2014, 1.	4.7	34
119	Particle spectrum created through bubble nucleation and quantum field theory in the Milne universe. Physical Review D, 1995, 51, 2968-2978.	4.7	33
120	Strong scale dependent bispectrum in the Starobinsky model of inflation. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 012-012.	5.4	33
121	CMB scale dependent non-Gaussianity from massive gravity during inflation. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 034-034.	5.4	33
122	Complete analysis of linear cosmological perturbations in Ho $\check{A}$ <sup>TM</sup> ava-Lifshitz gravity. Physical Review D, 2010, 81, .	4.7	32
123	Grad-Shafranov equation in noncircular stationary axisymmetric spacetimes. Physical Review D, 2003, 67, .	4.7	31
124	Quantum state during and after O(4)-symmetric bubble nucleation with gravitational effects. Physical Review D, 1994, 50, 6444-6456.	4.7	30
125	Can the simplest two-field model of open inflation survive?. Physical Review D, 1996, 54, R4705-R4708.	4.7	30
126	Bulk quantum effects for de Sitter branes inAdS5. Physical Review D, 2003, 67, .	4.7	30



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127	Reconstructing the primordial spectrum with CMB temperature and polarization. <i>Physical Review D</i> , 2004, 70, .	4.7	30
128	A new formalism for multi-component inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005, 2005, 004-004.	5.4	30
129	DECIGO: The Japanese space gravitational wave antenna. <i>Journal of Physics: Conference Series</i> , 2009, 154, 012040.	0.4	30
130	CMB observations in LTB universes. Part II: the kSZ effect in an LTB universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 011-011.	5.4	30
131	Inflation with a Weyl term, or ghosts at work. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 040-040.	5.4	30
132	Stability of Q-Balls and Catastrophe. <i>Progress of Theoretical Physics</i> , 2008, 119, 929-937.	2.0	29
133	CMB observations in LTB universes: Part I. Matching peak positions in the CMB spectrum. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 012-012.	5.4	29
134	Waterfall field in hybrid inflation and curvature perturbation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 028-028.	5.4	29
135	Vacuum state of the Dirac field in de Sitter space and entanglement entropy. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	29
136	Field-theoretical description of quantum fluctuations in the multidimensional tunneling approach. <i>Physical Review D</i> , 1994, 49, 1039-1046.	4.7	28
137	Quantum fluctuations in brane-world inflation without an inflaton on the brane. <i>Physical Review D</i> , 2001, 65, .	4.7	28
138	An effective search method for gravitational ringing of black holes. <i>Physical Review D</i> , 2003, 68, .	4.7	28
139	“Detuned”( $R$ )gravity and dark energy. <i>Physical Review D</i> , 2008, 77, .	4.7	28
140	Large-scale perturbations from the waterfall field in hybrid inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 012-012.	5.4	28
141	Effects of inhomogeneities on apparent cosmological observables: “fake”-evolving dark energy. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	28
142	Hamiltonian approach to second order gauge invariant cosmological perturbations. <i>Physical Review D</i> , 2018, 97, .	4.7	28
143	Post-Newtonian Expansion of the Ingoing-Wave Regge-Wheeler Function. <i>Progress of Theoretical Physics</i> , 1994, 92, 17-36.	2.0	28
144	Gravitational lens effect on anisotropies of the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 240, 415-420.	4.4	27

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145	False vacuum decay with gravity in the non-thin-wall limit. <i>Physical Review D</i> , 2000, 61, .	4.7	27
146	Massive scalar states localized on a de Sitter brane. <i>Physical Review D</i> , 2003, 68, .	4.7	27
147	Non-linear curvature perturbation in multi-field inflation models with non-minimal coupling. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 015-015.	5.4	26
148	A relativistic signature in large-scale structure. <i>Physics of the Dark Universe</i> , 2016, 13, 30-34.	4.9	26
149	Acausality in nonlocal gravity theory. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	26
150	Gravitational radiation from an extreme Kerr black hole. <i>General Relativity and Gravitation</i> , 1990, 22, 1351-1366.	2.0	25
151	Hoop conjecture for apparent horizon formation. <i>Classical and Quantum Gravity</i> , 1994, 11, 431-441.	4.0	25
152	Gauge problem in the gravitational self-force: First post-Newtonian force in the Regge-Wheeler gauge. <i>Physical Review D</i> , 2003, 68, .	4.7	25
153	Non-Gaussianity in the Cosmic Microwave Background temperature fluctuations from cosmic (super-)strings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 003-003.	5.4	25
154	Second-order Boltzmann equation: gauge dependence and gauge invariance. <i>Classical and Quantum Gravity</i> , 2013, 30, 165008.	4.0	25
155	Hartle's Hawking no-boundary proposal in dRGT massive gravity: making inflation exponentially more probable. <i>Classical and Quantum Gravity</i> , 2013, 30, 232001.	4.0	25
156	Galaxy bias and gauges at second order in general relativity. <i>Classical and Quantum Gravity</i> , 2015, 32, 175019.	4.0	25
157	Wall fluctuation modes and tensor CMB anisotropy in open inflation models. <i>Physical Review D</i> , 1997, 56, 616-624.	4.7	24
158	Observation results by the TAMA300 detector on gravitational wave bursts from stellar-core collapses. <i>Physical Review D</i> , 2005, 71, .	4.7	24
159	Multi-disformal invariance of non-linear primordial perturbations. <i>Europhysics Letters</i> , 2015, 111, 39002.	2.0	24
160	Quantum tunneling with dissipation: Possible enhancement by dissipative interactions. <i>Physical Review B</i> , 1992, 46, 10295-10309.	3.2	23
161	Cosmic inversion: II. An iterative method for reproducing the primordial spectrum from the CMB data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2003, 2003, 003-003.	5.4	23
162	Multi-field open inflation model and multi-field dynamics in tunneling. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 027-027.	5.4	23

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163	Quantum entanglement in de Sitter space with a wall and the decoherence of bubble universes. <i>Physical Review D</i> , 2018, 97, .	4.7	23
164	Lorentz-violating vs. ghost gravitons: the example of Weyl gravity. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	22
165	Scalar suppression on large scales in open inflation. <i>Physical Review D</i> , 2014, 90, .	4.7	22
166	Thermal activation of thin-shells in anti-de Sitter black hole spacetime. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	22
167	Chapter 7. Gravitational Radiation Reaction. <i>Progress of Theoretical Physics Supplement</i> , 1997, 128, 373-406.	0.1	21
168	Tensor ghosts in the inflationary cosmology. <i>Classical and Quantum Gravity</i> , 2010, 27, 165014.	4.0	20
169	Hawking-Moss instanton in nonlinear massive gravity. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 029-029.	5.4	20
170	Primordial tensor perturbation in double inflationary scenario with a break. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 049-049.	5.4	20
171	Development of a multistage laser frequency stabilization for an interferometric gravitational-wave detector. <i>Review of Scientific Instruments</i> , 2003, 74, 4176-4183.	1.3	19
172	Critical escape velocity of black holes from branes. <i>Physical Review D</i> , 2006, 74, .	4.7	19
173	Classical and quantum radiation from a moving charge in an expanding universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2006, 2006, 013-013.	5.4	19
174	Dynamical D4-D8 and D3-D7 branes in supergravity. <i>Physical Review D</i> , 2009, 80, .	4.7	19
175	Cosmological Gravitational Lens Equation. <i>Progress of Theoretical Physics</i> , 1993, 90, 753-781.	2.0	19
176	Zeta functions in brane world cosmology. <i>Physical Review D</i> , 2004, 70, .	4.7	18
177	Self-force regularization in the Schwarzschild spacetime. <i>Classical and Quantum Gravity</i> , 2005, 22, S753-S782.	4.0	18
178	Can thick braneworlds be self-consistent?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 633, 607-612.	4.1	18
179	DECIGO pathfinder. <i>Classical and Quantum Gravity</i> , 2009, 26, 094019.	4.0	18
180	Cosmology of strongly interacting fermions in the early universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 030.	5.4	18

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181	The Wave Function of a Collapsing Dust Sphere inside the Black Hole Horizon. Progress of Theoretical Physics, 1988, 79, 96-109.	2.0	17
182	Quantized gravitational waves in the Milne universe. Physical Review D, 1997, 55, 6061-6080.	4.7	17
183	Local conservation law and dark radiation in cosmological braneworld. Physical Review D, 2004, 70, .	4.7	17
184	Could the black hole singularity be a field singularity?. International Journal of Modern Physics D, 2020, 29, 2050026.	2.1	17
185	Evolution of perturbations in a baryon-dominated universe - Gauge-invariant analysis. Astrophysical Journal, 1989, 341, 557.	4.5	17
186	Imaginary part in thermo field dynamics. Physical Review D, 1986, 33, 590-593.	4.7	16
187	The condition for classical slow rolling in new inflation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 209, 197-202.	4.1	16
188	Initial condition for the minimal isocurvature scenario. Physical Review D, 1991, 44, 970-979.	4.7	16
189	Quantum State during and after Nucleation of an O(4)-Symmetric Bubble. Progress of Theoretical Physics, 1993, 90, 1019-1038.	2.0	16
190	Coincidence analysis to search for inspiraling compact binaries using TAMA300 and LISM data. Physical Review D, 2004, 70, .	4.7	16
191	Post-inflationary behaviour of adiabatic perturbations and the tensor-to-scalar ratio. Journal of Cosmology and Astroparticle Physics, 2005, 2005, 002-002.	5.4	16
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