

# Misao Sasaki

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/442225/publications.pdf>

Version: 2024-02-01

303  
papers

18,177  
citations

14655

66  
h-index

15266

126  
g-index

306  
all docs

306  
docs citations

306  
times ranked

4966  
citing authors

#	ARTICLE	IF	CITATIONS
1	Primordial black holes from CDM isocurvature perturbations. <i>Physical Review D</i> , 2022, 105, .	4.7	11
2	Primordial black hole formation from massless scalar isocurvature. <i>Physical Review D</i> , 2022, 105, .	4.7	2
3	Establishing the Nonprimordial Origin of Black Hole–Neutron Star Mergers. <i>Astrophysical Journal</i> , 2022, 931, 2.	4.5	7
4	The effects of anisotropy and non-adiabaticity on the evolution of the curvature perturbation. , 2022, , .		0
5	Approximate gauge independence of the induced gravitational wave spectrum. <i>Physical Review D</i> , 2021, 103, .	4.7	36
6	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
7	Gravitational wave constraints on the primordial black hole dominated early universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 062.	5.4	52
8	Cosmology of strongly interacting fermions in the early universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 030.	5.4	18
9	Multi-field dark energy: Cosmic acceleration on a steep potential. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 819, 136427.	4.1	14
10	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
11	Beating the Lyth Bound by Parametric Resonance during Inflation. <i>Physical Review Letters</i> , 2021, 127, 251301.	7.8	14
12	The effect of anisotropic stress and non-adiabatic pressure perturbations on the evolution of the comoving curvature perturbation. <i>Classical and Quantum Gravity</i> , 2020, 37, 017001.	4.0	1
13	Induced gravitational waves as a probe of thermal history of the universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 017-017.	5.4	93
14	Exploring Primordial Black Holes from the Multiverse with Optical Telescopes. <i>Physical Review Letters</i> , 2020, 125, 181304.	7.8	66
15	Could the black hole singularity be a field singularity?. <i>International Journal of Modern Physics D</i> , 2020, 29, 2050026.	2.1	17
16	Resolving a spacetime singularity with field transformations. <i>Progress of Theoretical and Experimental Physics</i> , 2020, 2020, .	6.6	3
17	Primordial black holes and gravitational waves from resonant amplification during inflation. <i>Physical Review D</i> , 2020, 102, .	4.7	75
18	Universal infrared scaling of gravitational wave background spectra. <i>Physical Review D</i> , 2020, 102, .	4.7	79

#	ARTICLE	IF	CITATIONS
19	Gravitational waves induced by scalar perturbations with a lognormal peak. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 037-037.	5.4	91
20	A path(-integral) toward non-perturbative effects in Hawking radiation. International Journal of Modern Physics D, 2020, 29, 2050086.	2.1	4
21	Space gravitational-wave antennas DECIGO and B-DECIGO. International Journal of Modern Physics D, 2019, 28, 1845001.	2.1	73
22	Hawking radiation as instantons. European Physical Journal C, 2019, 79, 1.	3.9	15
23	Analytic description of primordial black hole formation from scalar field fragmentation. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 077-077.	5.4	94
24	Primordial tensor perturbation in double inflationary scenario with a break. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 049-049.	5.4	20
25	Gravitational Waves Induced by Non-Gaussian Scalar Perturbations. Physical Review Letters, 2019, 122, 201101.	7.8	271
26	Primordial black holes—perspectives in gravitational wave astronomy. Classical and Quantum Gravity, 2018, 35, 063001.	4.0	551
27	Observational signatures of the parametric amplification of gravitational waves during reheating after inflation. Physical Review D, 2018, 97, .	4.7	15
28	Hamiltonian approach to second order gauge invariant cosmological perturbations. Physical Review D, 2018, 97, .	4.7	28
29	Quantum entanglement in de Sitter space with a wall and the decoherence of bubble universes. Physical Review D, 2018, 97, .	4.7	23
30	Degeneracy in the spectrum and bispectrum among featured inflaton potentials. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 068-068.	5.4	2
31	Revisiting non-Gaussianity from non-attractor inflation models. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 012-012.	5.4	70
32	Scalaron from $R^{2+2}$ -gravity as a heavy field. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 042-042.	5.4	173
33	Reconstruction of primordial tensor power spectra from $B$ -mode polarization of the cosmic microwave background. Physical Review D, 2018, 97, .	4.7	13
34	Single-field consistency relation and $\hat{N}$ -formalism. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 025-025.	5.4	9
35	Vacuum state of the Dirac field in de Sitter space and entanglement entropy. Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
36	Consistency relation and inflaton field redefinition in the $\hat{N}$ formalism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 413-417.	4.1	8

#	ARTICLE	IF	CITATIONS
37	CMB scale dependent non-Gaussianity from massive gravity during inflation. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 034-034.	5.4	33
38	Conformal Frames in Cosmology. , 2017, , .		2
39	The gravitational waves from the first-order phase transition with a dimension-six operator. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 004-004.	5.4	50
40	Hamiltonian analysis of an on-shell U(1) gauge field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 54-58.	4.1	0
41	The status of DECIGO. Journal of Physics: Conference Series, 2017, 840, 012010.	0.4	148
42	Thermal activation of thin-shells in anti-de Sitter black hole spacetime. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
43	Action growth of charged black holes with a single horizon. Physical Review D, 2017, 95, .	4.7	58
44	Inflationary Magnetogenesis with On-shell LocalU(1) Symmetry. Journal of Physics: Conference Series, 2017, 883, 012013.	0.4	1
45	Unclothed Firewalls. , 2017, , .		0
46	Resonant Amplification of Primordial Gravitational Waves. , 2017, , .		0
47	Stationary Bubbles: Information Loss Paradox?. , 2017, , .		0
48	Nonperturbative effects of primordial curvature perturbations on cosmological observables. , 2017, , .		0
49	Stationary bubbles and their tunneling channels toward trivial geometry. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 013-013.	5.4	10
50	Strongly scale-dependent CMB dipolar asymmetry from super-curvature fluctuations. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 020-020.	5.4	10
51	Unclothed firewalls. International Journal of Modern Physics D, 2016, 25, 1645003.	2.1	0
52	A relativistic signature in large-scale structure. Physics of the Dark Universe, 2016, 13, 30-34.	4.9	26
53	Adiabaticity and gravity theory independent conservation laws for cosmological perturbations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 464-468.	4.1	14
54	Primordial Black Hole Scenario for the Gravitational-Wave Event GW150914. Physical Review Letters, 2016, 117, 061101.	7.8	636

#	ARTICLE	IF	CITATIONS
55	Conformal frames in cosmology. International Journal of Modern Physics D, 2016, 25, 1645006.	2.1	16
56	Naked Black Hole Firewalls. Physical Review Letters, 2016, 116, 161304.	7.8	38
57	Global adiabaticity and non-Gaussianity consistency condition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 119-124.	4.1	16
58	Inflationary magnetogenesis with broken local U(1) symmetry. Europhysics Letters, 2016, 115, 19001.	2.0	14
59	Acausality in nonlocal gravity theory. Journal of High Energy Physics, 2016, 2016, 1.	4.7	26
60	Resonant primordial gravitational waves amplification. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 84-88.	4.1	15
61	Perturbed Newtonian description of the Lemaître model with non-negligible pressure. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 030-030.	5.4	3
62	Multi-disformal invariance of non-linear primordial perturbations. Europhysics Letters, 2015, 111, 39002.	2.0	24
63	Cosmological disformal invariance. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 067-067.	5.4	61
64	Ghosts in classes of non-local gravity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 189-197.	4.1	9
65	A new parameter in attractor single-field inflation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 390-394.	4.1	4
66	Conformal frame dependence of inflation. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 022-022.	5.4	52
67	Homogeneous instantons in bigravity. Journal of High Energy Physics, 2015, 2015, 1.	4.7	7
68	Galaxy bias and gauges at second order in general relativity. Classical and Quantum Gravity, 2015, 32, 175019.	4.0	25
69	HAWKING-MOSS INSTANTON IN NONLINEAR MASSIVE GRAVITY. , 2015, , .		0
70	Schwinger effect in de Sitter space. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 009-009.	5.4	86
71	Calculating the mass fraction of primordial black holes. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 045-045.	5.4	178
72	Scalar suppression on large scales in open inflation. Physical Review D, 2014, 90, .	4.7	22

#	ARTICLE	IF	CITATIONS
73	Thin-shell bubbles and information loss problem in anti de Sitter background. Journal of High Energy Physics, 2014, 2014, 1.	4.7	34
74	Geodesic curve-of-sight formulae for the cosmic microwave background: a unified treatment of redshift, time delay, and lensing. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 051-051.	5.4	12
75	Non-perturbative effects of primordial curvature perturbations on the apparent value of a cosmological constant. Europhysics Letters, 2014, 106, 69002.	2.0	11
76	Coleman-de Luccia instanton in dRGT massive gravity. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 022-022.	5.4	13
77	Inflation and Birth of Cosmological Perturbations. , 2014, , 305-321.		2
78	Second-order Boltzmann equation: gauge dependence and gauge invariance. Classical and Quantum Gravity, 2013, 30, 165008.	4.0	25
79	Observable induced gravitational waves from an early matter phase. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 033-033.	5.4	75
80	Equilateral non-Gaussianity from heavy fields. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 043-043.	5.4	74
81	Hawking-Moss instanton in nonlinear massive gravity. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 029-029.	5.4	20
82	In-in and $\hat{\Gamma}$ calculations of the bispectrum from non-attractor single-field inflation. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 039-039.	5.4	49
83	Squeezed primordial bispectrum from a general vacuum state. Classical and Quantum Gravity, 2013, 30, 095005.	4.0	12
84	Violation of non-Gaussianity consistency relation in a single-field inflationary model. Europhysics Letters, 2013, 101, 39001.	2.0	219
85	Hartle's "Hawking no-boundary proposal in dRGT massive gravity: making inflation exponentially more probable. Classical and Quantum Gravity, 2013, 30, 232001.	4.0	25
86	A single field inflation model with large local non-Gaussianity. Europhysics Letters, 2013, 102, 59001.	2.0	108
87	Non-linear curvature perturbation in multi-field inflation models with non-minimal coupling. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 015-015.	5.4	26
88	A viable explanation of the CMB dipolar statistical anisotropy. Progress of Theoretical and Experimental Physics, 2013, 2013, 111E01-111E01.	6.6	35
89	Beyond $\hat{N}$ formalism. Progress of Theoretical and Experimental Physics, 2013, 2013, 43E01-0.	6.6	13
90	Curvature perturbation spectrum in two-field inflation with a turning trajectory. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 051-051.	5.4	102

#	ARTICLE	IF	CITATIONS
91	Strong scale dependent bispectrum in the Starobinsky model of inflation. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 012-012.	5.4	33
92	Observable spectra of induced gravitational waves from inflation. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 017-017.	5.4	112
93	Observer dependence of bubble nucleation and Schwinger pair production. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 006-006.	5.4	36
94	Multi-field open inflation model and multi-field dynamics in tunneling. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 027-027.	5.4	23
95	Local features with large spiky non-Gaussianities during inflation. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 012-012.	5.4	14
96	Tunneling without barriers with gravity. Classical and Quantum Gravity, 2012, 29, 075010.	4.0	15
97	SCREENING OF COSMOLOGICAL CONSTANT IN NON-LOCAL COSMOLOGY. International Journal of Modern Physics D, 2012, 21, 1250006.	2.1	56
98	Curvature perturbation in multi-field inflation with non-minimal coupling. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 039-039.	5.4	38
99	Non-Gaussian bubbles in the sky. Europhysics Letters, 2012, 100, 29004.	2.0	10
100	Lorentz-violating vs. ghost gravitons: the example of Weyl gravity. Journal of High Energy Physics, 2012, 2012, 1.	4.7	22
101	Holographic dual of de Sitter universe with AdS bubbles. Nuclear Physics B, 2012, 855, 361-387.	2.5	5
102	Effects of inhomogeneities on apparent cosmological observables: $\Lambda$ -evolving dark energy. European Physical Journal C, 2012, 72, 1.	3.9	28
103	Multiple inflationary stages with varying equation of state. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 018-018.	5.4	15
104	Screening of cosmological constant for de Sitter Universe in non-local gravity, phantom-divide crossing and finite-time future singularities. General Relativity and Gravitation, 2012, 44, 1321-1356.	2.0	42
105	Spatial averaging and apparent acceleration in inhomogeneous spaces. General Relativity and Gravitation, 2012, 44, 353-365.	2.0	9
106	EVOLUTIONARY EFFECTS IN ONE-BUBBLE OPEN INFLATION FOR STRING LANDSCAPE. , 2012, , .		0
107	HAMILTONIAN FORMULATION OF $f(R)$ (RIEMANN) THEORIES OF GRAVITY. , 2012, , .		0
108	Conservation of the nonlinear curvature perturbation in generic single-field inflation. Classical and Quantum Gravity, 2011, 28, 072001.	4.0	38

#	ARTICLE	IF	CITATIONS
109	Open inflation in the landscape. <i>Physical Review D</i> , 2011, 84, .	4.7	52
110	OPEN INFLATION IN STRING LANDSCAPE: TENSOR-TYPE PERTURBATION. <i>International Journal of Modern Physics Conference Series</i> , 2011, 01, 209-214.	0.7	0
111	Conformal invariance of curvature perturbation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 023-023.	5.4	59
112	Screening of cosmological constant in non-local gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 696, 278-282.	4.1	63
113	Waterfall field in hybrid inflation and curvature perturbation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 028-028.	5.4	29
114	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
115	Analytic Model for CMB Temperature Fluctuations from Cosmic (Super-)Strings. <i>Progress of Theoretical Physics Supplement</i> , 2011, 190, 239-246.	0.1	0
116	Curvature perturbation and waterfall dynamics in hybrid inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 015-015.	5.4	15
117	Conformal Transformations and Nordström's Scalar Theory of Gravity. <i>Progress of Theoretical Physics Supplement</i> , 2011, 190, 143-154.	0.1	8
118	GREGORY'S LAFLAMME INSTABILITY OF A SLOWLY ROTATING BLACK STRING. <i>International Journal of Modern Physics D</i> , 2011, 20, 963-988.	2.1	3
119	Inflation with a Weyl term, or ghosts at work. <i>Journal of Cosmology and Astroparticle Physics</i> , 2011, 2011, 040-040.	5.4	30
120	The Japanese space gravitational wave antenna: DECIGO. <i>Classical and Quantum Gravity</i> , 2011, 28, 094011.	4.0	456
121	Conformal Equivalence in Classical Gravity: the Example of "Veiled" General Relativity. <i>Springer Proceedings in Physics</i> , 2011, , 247-260.	0.2	57
122	Non-linear and non-Gaussian cosmological perturbations. <i>Classical and Quantum Gravity</i> , 2010, 27, 120301.	4.0	13
123	Analytical model for CMB temperature angular power spectrum from cosmic (super-)strings. <i>Physical Review D</i> , 2010, 82, .	4.7	15
124	Tensor ghosts in the inflationary cosmology. <i>Classical and Quantum Gravity</i> , 2010, 27, 165014.	4.0	20
125	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
126	Boosted perturbations at the end of inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2010, 2010, 002-002.	5.4	11



#	ARTICLE	IF	CITATIONS
127	Skewness in CMB temperature fluctuations from curved cosmic (super-)strings. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 033-033.	5.4	15
128	Non-Gaussianity of superhorizon curvature perturbations beyond $\hat{\gamma}$ formalism. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 019-019.	5.4	36
129	CMB observations in LTB universes. Part II: the $kSZ$ effect in an LTB universe. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 011-011.	5.4	30
130	DECIGO and DECIGO pathfinder. Classical and Quantum Gravity, 2010, 27, 084010.	4.0	39
131	Large-scale perturbations from the waterfall field in hybrid inflation. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 012-012.	5.4	28
132	Complete analysis of linear cosmological perturbations in Hořava-Lifshitz gravity. Physical Review D, 2010, 81, .	4.7	32
133	Note on the equivalence of a barotropic perfect fluid with a $k$ -essence scalar field. Physical Review D, 2010, 81, .	4.7	52
134	Testing the Copernican Principle with the $kSZ$ Effect. Journal of the Korean Physical Society, 2010, 57, 610-614.	0.7	0
135	Large Non-Gaussianity from Multi-Brid Inflation. Progress of Theoretical Physics, 2009, 121, 193-210.	2.0	89
136	Non-Gaussianity in the Cosmic Microwave Background temperature fluctuations from cosmic (super-)strings. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 003-003.	5.4	25
137	DECIGO pathfinder. Classical and Quantum Gravity, 2009, 26, 094019.	4.0	18
138	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
139	Curvature perturbation spectrum from false vacuum inflation. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 001-001.	5.4	8
140	Spin polarization effects in micro black hole evaporation. Journal of High Energy Physics, 2009, 2009, 031-031.	4.7	10
141	Dynamical D4-D8 and D3-D7 branes in supergravity. Physical Review D, 2009, 80, .	4.7	19
142	Dynamical compactification and inflation in Einstein-Yang-Mills theory with higher derivative coupling. Physical Review D, 2009, 80, .	4.7	11
143	DECIGO: The Japanese space gravitational wave antenna. Journal of Physics: Conference Series, 2009, 154, 012040.	0.4	30
144	“Detuned” $f(R)$ gravity and dark energy. Physical Review D, 2008, 77, .	4.7	28

#	ARTICLE	IF	CITATIONS
145	Junction Conditions in $f(R)$ Theories of Gravity. <i>Progress of Theoretical Physics</i> , 2008, 119, 237-251.	2.0	127
146	Effects of particle production during inflation. <i>Physical Review D</i> , 2008, 78, .	4.7	71
147	Stability of Q-Balls and Catastrophe. <i>Progress of Theoretical Physics</i> , 2008, 119, 929-937.	2.0	29
148	Summary of session B4: early universe, pre-big bang, etc. <i>Classical and Quantum Gravity</i> , 2008, 25, 114021.	4.0	0
149	DECIGO: THE JAPANESE SPACE GRAVITATIONAL WAVE ANTENNA. , 2008, , .		0
150	Diagrammatic approach to non-Gaussianity from inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 027-027.	5.4	59
151	A note on nonlinear curvature perturbations in an exactly soluble model of multi-component slow-roll inflation. <i>Classical and Quantum Gravity</i> , 2007, 24, 2433-2437.	4.0	9
152	Large-scale magnetic fields in the inflationary universe. <i>Journal of Cosmology and Astroparticle Physics</i> , 2007, 2007, 030-030.	5.4	122
153	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
154	Gravitational scalar field coupled directly to the Maxwell field and its effect on solar-system experiments. <i>Physical Review D</i> , 2007, 75, .	4.7	5
155	Primordial trispectrum from inflation. <i>Physical Review D</i> , 2006, 74, .	4.7	173
156	Results of the search for inspiraling compact star binaries from TAMA300's observation in 2000-2004. <i>Physical Review D</i> , 2006, 74, .	4.7	11
157	Critical escape velocity of black holes from branes. <i>Physical Review D</i> , 2006, 74, .	4.7	19
158	Black holes escaping from domain walls. <i>Physical Review D</i> , 2006, 73, .	4.7	16
159	Quantum fluctuations on a thick de Sitter brane. <i>Nuclear Physics B</i> , 2006, 737, 121-152.	2.5	45
160	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
161	Forming sub-horizon black holes at the end of inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2006, 2006, 011-011.	5.4	34
162	Wronskian formulation of the spectrum of curvature perturbations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2006, 2006, 020-020.	5.4	0

#	ARTICLE	IF	CITATIONS
163	Graviton emission from a higher-dimensional black hole. <i>Journal of High Energy Physics</i> , 2006, 2006, 012-012.	4.7	69
164	Volume stabilization in a warped flux compactification model. <i>Journal of High Energy Physics</i> , 2006, 2006, 079-079.	4.7	4
165	The Japanese space gravitational wave antenna "DECIGO". <i>Classical and Quantum Gravity</i> , 2006, 23, S125-S131.	4.0	388
166	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
167	Non-Gaussianity of the primordial perturbation in the curvaton model. <i>Physical Review D</i> , 2006, 74, .	4.7	308
168	Conservation of nonlinear curvature perturbations on super-Hubble scales. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	1
169	Post-inflationary behaviour of adiabatic perturbations and the tensor-to-scalar ratio. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005, 2005, 002-002.	5.4	16
170	Self-force regularization in the Schwarzschild spacetime. <i>Classical and Quantum Gravity</i> , 2005, 22, S753-S782.	4.0	18
171	Vacuum destabilization from Kaluza-Klein modes in an inflating brane. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005, 2005, 002-002.	5.4	12
172	A new formalism for multi-component inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005, 2005, 004-004.	5.4	30
173	On detection of black hole quasinormal ringdowns: Detection efficiency and waveform parameter determination in matched filtering. <i>Physical Review D</i> , 2005, 71, .	4.7	16
174	B.2(I): COSMOLOGY (I). EARLY UNIVERSE. , 2005, , .		0
175	Observation results by the TAMA300 detector on gravitational wave bursts from stellar-core collapses. <i>Physical Review D</i> , 2005, 71, .	4.7	24
176	Kaluza-Klein gravitons are negative energy dust in brane cosmology. <i>Physical Review D</i> , 2005, 71, .	4.7	16
177	A general proof of the conservation of the curvature perturbation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2005, 2005, 004-004.	5.4	576
178	Gauss-Bonnet dark energy. <i>Physical Review D</i> , 2005, 71, .	4.7	578
179	Reheating after quintessential inflation and gravitational waves. <i>Classical and Quantum Gravity</i> , 2004, 21, 1761-1771.	4.0	100
180	Reconstructing the primordial spectrum with CMB temperature and polarization. <i>Physical Review D</i> , 2004, 70, .	4.7	30

#	ARTICLE	IF	CITATIONS
181	New calculation of the mass fraction of primordial black holes. <i>Physical Review D</i> , 2004, 70, .	4.7	128
182	Local conservation law and dark radiation in cosmological braneworld. <i>Physical Review D</i> , 2004, 70, .	4.7	17
183	Coincidence analysis to search for inspiraling compact binaries using TAMA300 and LISM data. <i>Physical Review D</i> , 2004, 70, .	4.7	16
184	Zeta functions in brane world cosmology. <i>Physical Review D</i> , 2004, 70, .	4.7	18
185	Brane-world cosmology and inflation. <i>Pramana - Journal of Physics</i> , 2004, 63, 785-796.	1.8	8
186	Relativistic Stars with Poloidal and Toroidal Magnetic Fields and Meridional Flow. <i>Astrophysical Journal</i> , 2004, 600, 296-316.	4.5	85
187	Reconstructing the Primordial Spectrum from WMAP Data by the Cosmic Inversion Method. <i>Astrophysical Journal</i> , 2004, 607, 32-39.	4.5	55
188	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
189	An effective search method for gravitational ringing of black holes. <i>Physical Review D</i> , 2003, 68, .	4.7	28
190	Massive scalar states localized on a de Sitter brane. <i>Physical Review D</i> , 2003, 68, .	4.7	27
191	Grad-Shafranov equation in noncircular stationary axisymmetric spacetimes. <i>Physical Review D</i> , 2003, 67, .	4.7	31
192	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
193	Geometry and cosmological perturbations in the bulk inflaton model. <i>Physical Review D</i> , 2003, 68, .	4.7	9
194	Bulk quantum effects for de Sitter branes in AdS <sub>5</sub> . <i>Physical Review D</i> , 2003, 67, .	4.7	30
195	Gauge problem in the gravitational self-force: Harmonic gauge approach in the Schwarzschild background. <i>Physical Review D</i> , 2003, 67, .	4.7	39
196	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
197	Analytic Black Hole Perturbation Approach to Gravitational Radiation. <i>Living Reviews in Relativity</i> , 2003, 6, 6.	26.7	238
198	Calculating the Gravitational Self-Force in Schwarzschild Spacetime. <i>Physical Review Letters</i> , 2002, 88, 091101.	7.8	126

#	ARTICLE	IF	CITATIONS
199	Bulk scalar field in the braneworld can mimic the 4D inflaton dynamics. <i>Physical Review D</i> , 2002, 65, .	4.7	38
200	Cosmic inversion: Reconstructing the primordial spectrum from CMB anisotropy. <i>Physical Review D</i> , 2002, 65, .	4.7	35
201	Development of a light source with an injection-locked Nd:YAG laser and a ring-mode cleaner for the TAMA 300 gravitational-wave detector. <i>Review of Scientific Instruments</i> , 2002, 73, 2136-2142.	1.3	10
202	Braneworld Inflation Driven by Dynamics of a Bulk Scalar Field. <i>Progress of Theoretical Physics Supplement</i> , 2002, 148, 235-244.	0.1	13
203	Correlated Perturbations from Inflation and the Cosmic Microwave Background. <i>Physical Review Letters</i> , 2002, 88, 211302.	7.8	97
204	Casimir energy for de Sitter branes in bulk AdS5. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 542, 289-294.	4.1	54
205	Self-Force on a Scalar Charge in Circular Orbit around a Schwarzschild Black Hole. <i>Progress of Theoretical Physics</i> , 2001, 106, 339-362.	2.0	13
206	First search for gravitational waves from inspiraling compact binaries using TAMA300 data. <i>Physical Review D</i> , 2001, 63, .	4.7	70
207	Brane-world inflation without inflaton on the brane. <i>Physical Review D</i> , 2001, 63, .	4.7	89
208	Stable Operation of a 300-m Laser Interferometer with Sufficient Sensitivity to Detect Gravitational-Wave Events within Our Galaxy. <i>Physical Review Letters</i> , 2001, 86, 3950-3954.	7.8	255
209	Quantum fluctuations in brane-world inflation without an inflaton on the brane. <i>Physical Review D</i> , 2001, 65, .	4.7	28
210	Large-scale cosmological perturbations on the brane. <i>Physical Review D</i> , 2001, 63, .	4.7	128
211	Enhancement of superhorizon scale inflationary curvature perturbations. <i>Physical Review D</i> , 2001, 64, .	4.7	152
212	The Einstein equations on the 3-brane world. <i>Physical Review D</i> , 2000, 62, .	4.7	1,158
213	False vacuum decay with gravity in the non-thin-wall limit. <i>Physical Review D</i> , 2000, 61, .	4.7	27
214	Polarization signal of distant clusters and reconstruction of primordial potential fluctuations. <i>Physical Review D</i> , 2000, 62, .	4.7	14
215	Brane-world creation and black holes. <i>Physical Review D</i> , 2000, 62, .	4.7	183
216	Gravity, stability, and energy conservation on the Randall-Sundrum brane world. <i>Physical Review D</i> , 2000, 62, .	4.7	209

#	ARTICLE	IF	CITATIONS
217	Anisotropies in Luminosity Distance. Symposium - International Astronomical Union, 1999, 183, 269-269.	0.1	0
218	Black hole formation in the Friedmann universe: Formulation and computation in numerical relativity. Physical Review D, 1999, 60, .	4.7	224
219	Analytic black hole perturbation approach. Journal of Astrophysics and Astronomy, 1999, 20, 281-289.	1.0	1
220	CMB in open inflation. Physical Review D, 1999, 59, .	4.7	83
221	Spectrum of cosmological perturbations in the one-bubble open universe. Nuclear Physics B, 1999, 551, 317-373.	2.5	54
222	Black Hole Perturbation Approach to Gravitational Radiation. , 1999, , 319-334.		0
223	Canonical quantization of cosmological perturbations in the one-bubble open universe. Nuclear Physics B, 1998, 513, 343-374.	2.5	76
224	Innermost stable circular orbits around relativistic rotating stars. Physical Review D, 1998, 58, .	4.7	55
225	No supercritical supercurvature mode conjecture in one-bubble open inflation. Physical Review D, 1998, 59, .	4.7	11
226	Chapter 1. Black Hole Perturbation. Progress of Theoretical Physics Supplement, 1997, 128, 1-121.	0.1	123
227	Chapter 7. Gravitational Radiation Reaction. Progress of Theoretical Physics Supplement, 1997, 128, 373-406.	0.1	21
228	Gravitational Waves from Coalescing Black Hole MACHO Binaries. Astrophysical Journal, 1997, 487, L139-L142.	4.5	292
229	Quantized gravitational waves in the Milne universe. Physical Review D, 1997, 55, 6061-6080.	4.7	17
230	Gravitational radiation reaction to a particle motion. Physical Review D, 1997, 55, 3457-3476.	4.7	372
231	Wall fluctuation modes and tensor CMB anisotropy in open inflation models. Physical Review D, 1997, 56, 616-624.	4.7	24
232	Post-Newtonian approximation in the test particle limit. Banach Center Publications, 1997, 41, 75-83.	0.1	0
233	Post-Newtonian expansion of gravitational waves from a particle in circular orbit around a rotating black hole: Up to $O(v^8)$ beyond the quadrupole formula. Physical Review D, 1996, 54, 1439-1459.	4.7	64
234	Can the simplest two-field model of open inflation survive?. Physical Review D, 1996, 54, R4705-R4708.	4.7	30

#	ARTICLE	IF	CITATIONS
235	Self-excitation of the tunneling scalar field in false vacuum decay. <i>Physical Review D</i> , 1996, 53, 2045-2061.	4.7	39
236	Quantum fluctuations and CMB anisotropies in one-bubble open inflation models. <i>Physical Review D</i> , 1996, 54, 5031-5048.	4.7	57
237	Gravitational waves from a spinning particle in circular orbits around a rotating black hole. <i>Physical Review D</i> , 1996, 54, 3762-3777.	4.7	87
238	Euclidean vacuum mode functions for a scalar field on open de Sitter space. <i>Physical Review D</i> , 1995, 51, 2979-2995.	4.7	110
239	Gravitational radiation from a particle in circular orbit around a black hole. V. Black-hole absorption and tail corrections. <i>Physical Review D</i> , 1995, 51, 5753-5767.	4.7	119
240	Particle spectrum created through bubble nucleation and quantum field theory in the Milne universe. <i>Physical Review D</i> , 1995, 51, 2968-2978.	4.7	33
241	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
242	Gravitational Waves From a Particle Orbiting around a Rotating Black Hole: Post-Newtonian Expansion. <i>Annals of the New York Academy of Sciences</i> , 1995, 759, 512-516.	3.8	0
243	Large-Angle Cosmic Microwave Background Anisotropy in an Open Universe in the One-Bubble Inflationary Scenario. <i>Astrophysical Journal</i> , 1995, 455, 412.	4.5	137
244	Post-Newtonian Expansion of Gravitational Waves from a Particle in Circular Orbit around a Schwarzschild Black Hole. <i>Progress of Theoretical Physics</i> , 1994, 92, 745-771.	2.0	67
245	PROBABILITY DISTRIBUTION FUNCTIONAL FOR EQUAL-TIME CORRELATION FUNCTIONS IN CURVED SPACE. <i>International Journal of Modern Physics A</i> , 1994, 09, 221-238.	1.5	14
246	Hoop conjecture for apparent horizon formation. <i>Classical and Quantum Gravity</i> , 1994, 11, 431-441.	4.0	25
247	General solutions for tunneling of scalar fields with quartic potentials in de Sitter space. <i>Physical Review D</i> , 1994, 50, 941-946.	4.7	4
248	Field-theoretical description of quantum fluctuations in the multidimensional tunneling approach. <i>Physical Review D</i> , 1994, 49, 1039-1046.	4.7	28
249	Quantum state during and after $O(4)$ -symmetric bubble nucleation with gravitational effects. <i>Physical Review D</i> , 1994, 50, 6444-6456.	4.7	30
250	Skewness of cosmic microwave background anisotropies in an inflationary isocurvature baryon model. <i>Astrophysical Journal</i> , 1994, 435, L83.	4.5	2
251	Post-Newtonian Expansion of the Ingoing-Wave Regge-Wheeler Function. <i>Progress of Theoretical Physics</i> , 1994, 92, 17-36.	2.0	28
252	Quantum state inside a vacuum bubble and the creation of an open universe. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 317, 510-516.	4.1	63

#	ARTICLE	IF	CITATIONS
253	False vacuum decay with gravity: Negative mode problem. <i>New Astronomy Reviews</i> , 1993, 37, 641-644.	0.3	0
254	Quantum State during and after Nucleation of an O(4)-Symmetric Bubble. <i>Progress of Theoretical Physics</i> , 1993, 90, 1019-1038.	2.0	16
255	Superexpansory divergence: breakdown of perturbative quantum field theory in spacetime with accelerated expansion. <i>Classical and Quantum Gravity</i> , 1993, 10, L55-L60.	4.0	36
256	Quantum State during and after Nucleation of an $O(4)$ -Symmetric Bubble. <i>Progress of Theoretical Physics</i> , 1993, 90, 1019-1038.	2.0	2
257	Cosmological Gravitational Lens Equation. <i>Progress of Theoretical Physics</i> , 1993, 90, 753-781.	2.0	19
258	Statistics of baryon isocurvature perturbations in the inflationary universe. <i>Physical Review D</i> , 1992, 46, 4206-4217.	4.7	10
259	Canonical formulation of quantum tunneling with dissipation. <i>Physical Review Letters</i> , 1992, 68, 1093-1096.	7.8	45
260	Quantum tunneling with dissipation: Possible enhancement by dissipative interactions. <i>Physical Review B</i> , 1992, 46, 10295-10309.	3.2	23
261	Analytic approach to the perturbative expansion of nonlinear gravitational fluctuations in cosmological density and velocity fields. <i>Physical Review D</i> , 1992, 46, 585-602.	4.7	140
262	On distances and the Hubble parameter determination in gravitational lenses. <i>Astrophysical Journal</i> , 1992, 394, 38.	4.5	8
263	False Vacuum Decay with Gravity. <i>Progress of Theoretical Physics</i> , 1992, 88, 503-528.	2.0	16
264	Large-scale Anisotropy of Cosmic Background Radiation in Open Cosmological Models. <i>Annals of the New York Academy of Sciences</i> , 1991, 647, 694-700.	3.8	0
265	Fluctuation of Luminosity Distance and the Peculiar Velocity Field. <i>Annals of the New York Academy of Sciences</i> , 1991, 647, 707-714.	3.8	0
266	Quasilinear theory of cosmological self-gravitating systems. <i>Physical Review Letters</i> , 1991, 66, 264-267.	7.8	58
267	Matrix realization of random surfaces. <i>Physical Review D</i> , 1991, 43, 4015-4028.	4.7	7
268	Initial condition for the minimal isocurvature scenario. <i>Physical Review D</i> , 1991, 44, 970-979.	4.7	16
269	NON SCALE-INVARIANT ISOCURVATURE PERTURBATIONS PRODUCED IN THE POWER-LAW INFLATION. <i>Modern Physics Letters A</i> , 1991, 06, 2935-2945.	1.2	3
270	Constraints on open universe models from quadruple anisotropy of the cosmic microwave background. <i>Astrophysical Journal</i> , 1991, 372, L49.	4.5	4



#	ARTICLE	IF	CITATIONS
271	Large Angle Anisotropy of the Cosmic Microwave Background in an Open Universe. Progress of Theoretical Physics, 1991, 85, 1023-1039.	2.0	9
272	The Density Perturbation in the Chaotic Inflation with Non-Minimal Coupling. Progress of Theoretical Physics, 1991, 86, 103-118.	2.0	84
273	Constraints on Universe Models With Cosmological Constant from Cosmic Microwave Background Anisotropy. Astrophysics and Space Science Library, 1991, , 553-554.	2.7	0
274	Gravitational radiation from an extreme Kerr black hole. General Relativity and Gravitation, 1990, 22, 1351-1366.	2.0	25
275	Quantum treatment of cosmological axion perturbations. Physical Review D, 1990, 42, 3918-3924.	4.7	40
276	Constraints on universe models with cosmological constant from cosmic microwave background anisotropy. Astrophysical Journal, 1990, 365, 432.	4.5	12
277	Gravitational lens effect on anisotropies of the cosmic microwave background. Monthly Notices of the Royal Astronomical Society, 1989, 240, 415-420.	4.4	27
278	Light propagation and the distance-redshift relation in a realistic inhomogeneous universe. Physical Review D, 1989, 40, 2502-2510.	4.7	67
279	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
280	Evolution of perturbations in a baryon-dominated universe - Gauge-invariant analysis. Astrophysical Journal, 1989, 341, 557.	4.5	17
281	Cosmic microwave anisotropies and large-scale velocity fields in isocurvature hot dark matter models. Astrophysical Journal, 1989, 338, L45.	4.5	8
282	Monopoles and magnetic fields in the inflationary universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 209, 192-196.	4.1	2
283	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
284	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
285	Classical behavior of a scalar field in the inflationary universe. Nuclear Physics B, 1988, 308, 868-884.	2.5	72
286	The Wave Function of a Collapsing Dust Sphere inside the Black Hole Horizon. Progress of Theoretical Physics, 1988, 79, 96-109.	2.0	17
287	EVOLUTION OF ISOCURVATURE PERTURBATIONS II: RADIATION-DUST UNIVERSE. International Journal of Modern Physics A, 1987, 02, 491-560.	1.5	60
288	THE NUMBER COUNT " REDSHIFT RELATION IN A PERTURBED FRIEDMANN UNIVERSE. Modern Physics Letters A, 1987, 02, 727-734.	1.2	10

#	ARTICLE	IF	CITATIONS
289	The magnitudeâ€“redshift relation in a perturbed Friedmann universe. Monthly Notices of the Royal Astronomical Society, 1987, 228, 653-669.	4.4	125
290	Small-scale anisotropies in the microwave background in a baryon-dominated open universe. Astrophysical Journal, 1987, 321, L1.	4.5	8
291	EVOLUTION OF ISOCURVATURE PERTURBATIONS I: PHOTON-BARYON UNIVERSE. International Journal of Modern Physics A, 1986, 01, 265-301.	1.5	94
292	Evolution of Gauge-Invariant Cosmological Density Perturbations through Decoupling Era. Progress of Theoretical Physics, 1986, 76, 1016-1035.	2.0	6
293	Imaginary part in thermo field dynamics. Physical Review D, 1986, 33, 590-593.	4.7	16
294	Entropy production in an expanding universe. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 165, 59-62.	4.1	37
295	Cosmological Perturbation Theory. Progress of Theoretical Physics Supplement, 1984, 78, 1-166.	0.1	1,287
296	[[2+1]+1] -Formalism of General Relativity. , 1984, , 203-220.		1
297	On the Generation Mechanism of Gravitational Waves in the Vicinity of a Black Hole. Progress of Theoretical Physics, 1983, 69, 815-827.	2.0	7
298	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
299	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
300	Gravitational radiation induced by a particle falling along the Z-axis into a Kerr black hole. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 89, 185-189.	2.1	15
301	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
302	General Relativistic Collapse of an Axially Symmetric Star Leading to the Formation of Neutron Stars and Black Holes. Symposium - International Astronomical Union, 1981, 93, 326-326.	0.1	1
303	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