

# Nobuyoshi Ohta

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,228  
citations

257450

24  
h-index

214800

47  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1124  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the coupling between dark components of the universe. <i>Physical Review D</i> , 2007, 76, .	4.7	327
2	Topological black holes in Ho <sup>À</sup> ™ava-Lifshitz gravity. <i>Physical Review D</i> , 2009, 80, .	4.7	214
3	Friedmann equations from entropic force. <i>Physical Review D</i> , 2010, 81, .	4.7	133
4	Black holes in gravity with conformal anomaly and logarithmic term in black hole entropy. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	124
5	PARAMETRIZATIONS OF THE DARK ENERGY DENSITY AND SCALAR POTENTIALS. <i>Modern Physics Letters A</i> , 2007, 22, 883-890.	1.2	119
6	Horizon thermodynamics and gravitational field equations in Ho <sup>À</sup> ™ava-Lifshitz gravity. <i>Physical Review D</i> , 2010, 81, .	4.7	96
7	Flow equation for $f(R)$ gravity in exponential parametrization. <i>Physical Review D</i> , 2015, 92, .	4.7	97
8	Renormalization group equation and scaling solutions for $f(R)$ gravity in exponential parametrization. <i>European Physical Journal C</i> , 2016, 76, 1.	3.9	82
9	Shear viscosity from Gauss-Bonnet gravity with a dilaton coupling. <i>Physical Review D</i> , 2009, 79, .	4.7	77
10	Generalized Misner-Sharp energy $f(R)$ gravity. <i>Physical Review D</i> , 2009, 80, .	4.7	77
11	Skew-symmetric tensor gauge field theory dynamically realized in the QCD U(1) channel. <i>Nuclear Physics B</i> , 1981, 178, 527-544.	2.5	73
12	Black hole solutions in string theory with Gauss-Bonnet curvature correction. <i>Physical Review D</i> , 2009, 80, .	4.7	69
13	Higher derivative gravity and asymptotic safety in diverse dimensions. <i>Classical and Quantum Gravity</i> , 2014, 31, 015024.	4.0	67
14	Notes on entropy force in general spherically symmetric spacetimes. <i>Physical Review D</i> , 2010, 81, .	4.7	64
15	Asymptotic safety and field parametrization dependence in the $f(R)$ gravity. <i>Physical Review D</i> , 2015, 92, .	4.7	61
16	Realizing scale-invariant density perturbations in low-energy effective string theory. <i>Physical Review D</i> , 2007, 75, .	4.7	40
17	Generic estimates for magnetic fields generated during inflation including Dirac-Born-Infeld theories. <i>Physical Review D</i> , 2008, 78, .	4.7	40

#	ARTICLE	IF	CITATIONS
19	Cosmic acceleration with a negative cosmological constant in higher dimensions. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	40
20	Accelerating universes in string theory via field redefinition. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	38
21	Towards the determination of the dimension of the critical surface in asymptotically safe gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 810, 135773.	4.1	34
22	Quantum equivalence of $f(R)$ gravity and scalar-tensor theories in the Jordan and Einstein frames. <i>Progress of Theoretical and Experimental Physics</i> , 2018, 2018, .	6.6	32
23	Black holes without mass and entropy in Lovelock gravity. <i>Physical Review D</i> , 2010, 81, .	4.7	31
24	Ultraviolet fixed points in conformal gravity and general quadratic theories. <i>Classical and Quantum Gravity</i> , 2016, 33, 035001.	4.0	31
25	Time-Dependent Supersymmetric Solutions in M-Theory and the Compactification-Decompactification Transition. <i>Progress of Theoretical Physics</i> , 2006, 116, 295-318.	2.0	18
26	Supersymmetric intersecting branes in time-dependent backgrounds. <i>Physical Review D</i> , 2006, 74, .	4.7	17
27	Dynamical $p$ -branes with a cosmological constant. <i>Physical Review D</i> , 2010, 82, .	4.7	17
28	Global solutions for higher-dimensional stretched small black holes. <i>Physical Review D</i> , 2010, 81, .	4.7	16
29	Quantum improved charged black holes. <i>Physical Review D</i> , 2021, 104, .	4.7	16
30	Covariant BRST quantization of unimodular gravity: Formulation with antisymmetric tensor ghosts. <i>Physical Review D</i> , 2022, 105, .	4.7	16
31	Entropy function and universality of entropy-area relation for small black holes. <i>Physical Review D</i> , 2008, 77, .	4.7	15
32	Dynamical solutions in the 3-form field background in the Nishino-Salam-Sezgin model. <i>Physical Review D</i> , 2010, 81, .	4.7	15
33	AdS black hole solutions in dilatonic Einstein-Gauss-Bonnet gravity. <i>Physical Review D</i> , 2011, 83, .	4.7	13
34	Cosmological intersecting brane solutions. <i>Physical Review D</i> , 2010, 82, .	4.7	12
35	Supersymmetric intersecting branes on the waves. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	11
36	Covariant BRST quantization of unimodular gravity. II. Formulation with a vector antighost. <i>Physical Review D</i> , 2022, 105, .	4.7	11

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37	Running Newton coupling, scale identification, and black hole thermodynamics. <i>Physical Review D</i> , 2022, 105, .	4.7	11
38	BRST quantization of general relativity in unimodular gauge and unimodular gravity. <i>Physical Review D</i> , 2021, 104, .	4.7	10
39	Effective action from the functional renormalization group. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	9
40	General procedure of gauge fixings and ghosts. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135965.	4.1	8
41	Supersymmetric rotating black hole in a compactified spacetime. <i>Physical Review D</i> , 2006, 74, .	4.7	6
42	Higgs scalar potential coupled to gravity in the exponential parametrization in arbitrary gauge. <i>Physical Review D</i> , 2022, 105, .	4.7	6
43	Charged black holes in string theory with Gauss-Bonnet correction in various dimensions. <i>Physical Review D</i> , 2012, 86, .	4.7	5
44	DARK ENERGY AND QCD GHOST. <i>International Journal of Modern Physics Conference Series</i> , 2012, 07, 194-201.	0.7	3
45	Hawking radiation and tunneling mechanism for a new class of black holes in Einsteinâ€™Gaussâ€™Bonnet gravity. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	3
46	Extended black holes in strong gravitational waves. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	2
47	Asymptotically AdS charged black holes in string theory with Gauss-Bonnet correction in various dimensions. <i>Physical Review D</i> , 2013, 88, .	4.7	2
48	Intersecting black branes in strong gravitational waves. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	0
49	BLACK HOLE SOLUTIONS IN STRING THEORY WITH GAUSSâ€™BONNET CURVATURE CORRECTION. , 2012, , .		0
50	Covariant Approach to the No-Ghost Theorem in Massive Gravity. , 2015, , .		0