

# Ken-ichi Nakao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4997544/publications.pdf>

Version: 2024-02-01

26  
papers

382  
citations

933447

10  
h-index

752698

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

429  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acceleration of colliding shells around a black hole: Validity of the test particle approximation in the Banados-Silk-West process. <i>Physical Review D</i> , 2011, 83, .	4.7	79
2	Redshift drift in Lemaître-Tolman-Bondi void universes. <i>Physical Review D</i> , 2011, 83, .	4.7	45
3	Is super-Planckian physics visible? Scattering of black holes in 5 dimensions. <i>Physical Review D</i> , 2011, 83, .	4.7	42
4	Acceleration of particles and shells by Reissner-Nordström naked singularities. <i>Physical Review D</i> , 2012, 86, .	4.7	42
5	Black hole universe: Construction and analysis of initial data. <i>Physical Review D</i> , 2012, 86, .	4.7	41
6	Infinite efficiency of the collisional Penrose process: Can an overspinning Kerr geometry be the source of ultrahigh-energy cosmic rays and neutrinos?. <i>Physical Review D</i> , 2016, 93, .	4.7	24
7	Gravastar formation: What can be the evidence of a black hole?. <i>Physical Review D</i> , 2019, 99, .	4.7	17
8	Evolution of density perturbations in a large void universe. <i>Physical Review D</i> , 2012, 85, .	4.7	15
9	Ultrahigh energy collision with neither black hole nor naked singularity. <i>Physical Review D</i> , 2013, 87, .	4.7	15
10	How does a collapsing star look?. <i>Physical Review D</i> , 2019, 100, .	4.7	14
11	Accelerated cosmic expansion in a scalar-field universe. <i>Physical Review D</i> , 2010, 81, .	4.7	8
12	Gravitational radiation from a cylindrical naked singularity. <i>Physical Review D</i> , 2005, 71, .	4.7	7
13	New instability in relativistic cylindrically symmetric system. <i>Physical Review D</i> , 2008, 77, .	4.7	5
14	Maximal slicing of D-dimensional spherically symmetric vacuum spacetime. <i>Physical Review D</i> , 2009, 80, .	4.7	5
15	How small can an over-spinning body be in general relativity?. <i>Physical Review D</i> , 2014, 90, .	4.7	5
16	Do black hole shadows merge?. <i>Physical Review D</i> , 2020, 102, .	4.7	5
17	Two-point correlation function of density perturbations in a large void universe. <i>Physical Review D</i> , 2013, 88, .	4.7	3
18	Comparison of two approximation schemes for solving perturbations in a Lemaître-Tolman-Bondi cosmological model. <i>Physical Review D</i> , 2014, 90, .	4.7	3

#	ARTICLE	IF	CITATIONS
19	Systematic error due to isotropic inhomogeneities. <i>Physical Review D</i> , 2015, 92, .	4.7	3
20	Black strings in our world. <i>Physical Review D</i> , 2005, 71, .	4.7	2
21	Robustness of particle creation in the formation of a compact object. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	2
22	Constant-mean-curvature slicing of the Swiss-cheese universe. <i>General Relativity and Gravitation</i> , 2019, 51, 1.	2.0	0
23	LENSING EFFECTS ON GRAVITATIONAL WAVES IN A CLUMPY UNIVERSE. , 2008, , .		0
24	EINSTEINâ€™ROSEN WAVES AND THE SELF-SIMILARITY HYPOTHESIS IN CYLINDRICAL SYMMETRY. , 2012, , .		0
25	EVOLUTION OF DENSITY PERTURBATIONS IN LARGE VOID UNIVERSE. , 2015, , .		0
26	BLACK HOLE UNIVERSE. , 2015, , .		0