

Yasunori Nomura

List of Publications by Year in descending order

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135
papers

6,794
citations

53794

45
h-index

66911

78
g-index

138
all docs

138
docs citations

138
times ranked

4589
citing authors

#	ARTICLE	IF	CITATIONS
1	Higgs as a holographic pseudo-Goldstone boson. Nuclear Physics B, 2003, 671, 148-174.	2.5	497
2	Gauge unification in higher dimensions. Physical Review D, 2001, 64, .	4.7	369
3	A solution to the supersymmetric fine-tuning problem within the MSSM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 631, 58-67.	4.1	200
4	Supersymmetry, naturalness, and signatures at the CERN LHC. Physical Review D, 2006, 73, .	4.7	182
5	Unification of Higgs and gauge fields in five dimensions. Nuclear Physics B, 2003, 656, 3-22.	2.5	180
6	Constrained standard model from a compact extra dimension. Physical Review D, 2001, 63, .	4.7	177
7	Dark matter through the axion portal. Physical Review D, 2009, 79, .	4.7	153
8	Composite models for the 750 GeV diphoton excess. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 151-156.	4.1	145
9	Inflationary paradigm after Planck 2013. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 112-119.	4.1	142
10	Spread Supersymmetry. Journal of High Energy Physics, 2012, 2012, 1.	4.7	137
11	Natural little hierarchy from a partially goldstone twin Higgs. Journal of High Energy Physics, 2006, 2006, 126-126.	4.7	136
12	Gauge-Higgs unification in higher dimensions. Nuclear Physics B, 2002, 639, 307-330.	2.5	131
13	SO(10) unified theories in six dimensions. Physical Review D, 2002, 65, .	4.7	129
14	Direct-transmission models of dynamical supersymmetry breaking. Physical Review D, 1997, 56, 2886-2892.	4.7	119
15	Higgsless theory of electroweak symmetry breaking from warped space. Journal of High Energy Physics, 2003, 2003, 050-050.	4.7	113
16	Spread Supersymmetry with \widetilde{W} LSP: gluino and dark matter signals. Journal of High Energy Physics, 2013, 2013, 1.	4.7	109
17	Gauge coupling unification from unified theories in higher dimensions. Physical Review D, 2002, 65, .	4.7	103
18	Gauge Mediation Simplified. Physical Review Letters, 2007, 98, 151803.	7.8	100

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19	Bimaximal neutrino mixing in SO(10)GUT. <i>Physical Review D</i> , 1998, 59, .	4.7	99
20	Dark matter signals from cascade annihilations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 016-016.	5.4	97
21	Finite radiative electroweak symmetry breaking from the bulk. <i>Nuclear Physics B</i> , 2001, 605, 81-115.	2.5	94
22	Complete theory of grand unification in five dimensions. <i>Physical Review D</i> , 2002, 66, .	4.7	92
23	A finely-predicted Higgs boson mass from a finely-tuned weak scale. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	91
24	Supersymmetry without a light Higgs boson. <i>Physical Review D</i> , 2007, 75, .	4.7	90
25	Low-scale seesaw mechanisms for light neutrinos. <i>Physical Review D</i> , 2001, 64, .	4.7	87
26	Models of Scherk-Schwarz symmetry breaking in 5d: classification and calculability. <i>Nuclear Physics B</i> , 2002, 624, 63-80.	2.5	83
27	GUT breaking on the brane. <i>Nuclear Physics B</i> , 2001, 613, 147-166.	2.5	80
28	Viable ultraviolet-insensitive supersymmetry breaking. <i>Journal of High Energy Physics</i> , 2001, 2001, 041-041.	4.7	80
29	Information paradox and its resolution in de Sitter holography. <i>Physical Review D</i> , 2021, 103, .	4.7	78
30	Holographic theories of electroweak symmetry breaking without a Higgs boson. <i>Physical Review D</i> , 2004, 69, .	4.7	77
31	Wilson lines and symmetry breaking on orbifolds. <i>Nuclear Physics B</i> , 2002, 645, 85-104.	2.5	73
32	Goldstini. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	72
33	Physical theories, eternal inflation, and the quantum universe. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	68
34	Warped supersymmetric grand unification. <i>Physical Review D</i> , 2003, 67, .	4.7	67
35	Quintessence axion potential induced by electroweak instanton effects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 484, 103-111.	4.1	64
36	Cosmic signals from the hidden sector. <i>Physical Review D</i> , 2009, 80, .	4.7	60

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37	Softly broken supersymmetric desert from orbifold compactification. <i>Physical Review D</i> , 2002, 66, .	4.7	58
38	Strongly coupled grand unification in higher dimensions. <i>Physical Review D</i> , 2002, 65, .	4.7	58
39	Complementarity endures: no firewall for an infalling observer. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	55
40	Simple scheme for gauge mediation. <i>Physical Review D</i> , 2007, 75, .	4.7	54
41	More visible effects of the hidden sector. <i>Physical Review D</i> , 2008, 77, .	4.7	52
42	What can the observation of nonzero curvature tell us?. <i>Physical Review D</i> , 2012, 86, .	4.7	51
43	Natural effective supersymmetry. <i>Nuclear Physics B</i> , 2000, 584, 3-45.	2.5	50
44	New Approach to the $\hat{1/4}$ Problem of Gauge-Mediated Supersymmetry Breaking. <i>Physical Review Letters</i> , 2009, 102, 111801.	7.8	48
45	Weak gravity conjecture in the AdS/CFT correspondence. <i>Physical Review D</i> , 2015, 92, .	4.7	48
46	Superheavy dark matter with discrete gauge symmetries. <i>Physical Review D</i> , 1998, 58, .	4.7	44
47	Evidence for the multiverse in the standard model and beyond. <i>Physical Review D</i> , 2008, 78, .	4.7	43
48	750 GeV diphotons: implications for supersymmetric unification. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	43
49	A minimally fine-tuned supersymmetric standard model. <i>Nuclear Physics B</i> , 2005, 725, 207-250.	2.5	42
50	Relaxing the upper bound on the mass of the lightest supersymmetric Higgs boson. <i>Physical Review D</i> , 2005, 71, .	4.7	40
51	Black holes, information, and Hilbert space for quantum gravity. <i>Physical Review D</i> , 2013, 87, .	4.7	40
52	Supersymmetry with light stops. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	39
53	R symmetry and the $\hat{1/4}$ problem. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 538, 359-365.	4.1	38
54	Large squark and slepton masses for the first-two generations in the anomalous U(1) SUSY breaking models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 445, 316-322.	4.1	36

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55	Axion Isocurvature and Magnetic Monopoles. <i>Physical Review Letters</i> , 2016, 116, 141803.	7.8	36
56	Grand unification in higher dimensions. <i>Annals of Physics</i> , 2003, 306, 132-156.	2.8	35
57	Long lived superheavy dark matter with discrete gauge symmetries. <i>Physical Review D</i> , 1999, 59, .	4.7	31
58	Radiative electroweak symmetry breaking from a quasi-localized top quark. <i>Nuclear Physics B</i> , 2003, 663, 141-162.	2.5	31
59	Quantum Mechanics, Spacetime Locality, and Gravity. <i>Foundations of Physics</i> , 2013, 43, 978-1007.	1.3	31
60	Toward a holographic theory for general spacetimes. <i>Physical Review D</i> , 2017, 95, .	4.7	31
61	Pure natural inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 227-230.	4.1	31
62	Evolving Dark Energy with $w \sim 1$. <i>Physical Review Letters</i> , 2005, 95, 141302.	7.8	29
63	Flavorful supersymmetry. <i>Physical Review D</i> , 2008, 77, .	4.7	29
64	Flavorful supersymmetry from higher dimensions. <i>Journal of High Energy Physics</i> , 2008, 2008, 055-055.	4.7	29
65	Multiverse understanding of cosmological coincidences. <i>Physical Review D</i> , 2009, 80, .	4.7	29
66	Grand unification, axion, and inflation in Intermediate Scale Supersymmetry. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	29
67	Pulling the boundary into the bulk. <i>Physical Review D</i> , 2018, 98, .	4.7	29
68	Long-lived superheavy particles in dynamical supersymmetry-breaking models in supergravity. <i>Physical Review D</i> , 1999, 60, .	4.7	28
69	Minimally fine-tuned supersymmetric standard models with intermediate-scale supersymmetry breaking. <i>Nuclear Physics B</i> , 2006, 745, 29-48.	2.5	28
70	A definitive signal of multiple supersymmetry breaking. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	27
71	A note on (no) firewalls: the entropy argument. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	27
72	Spacetime from unentanglement. <i>Physical Review D</i> , 2018, 97, .	4.7	27

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73	Spacetime and universal soft modes: Black holes and beyond. Physical Review D, 2020, 101, .	4.7	27
74	Phenomenological aspects of a direct-transmission model of dynamical supersymmetry breaking with the gravitino mass $m_{3/2} < 1 \text{ keV}$. Physical Review D, 1998, 58, .	4.7	25
75	Comments on holographic entanglement entropy in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ deformed conformal field theories. Physical Review D, 2019, 100, .	4.7	25
76	Spectrum of TeV particles in warped supersymmetric grand unification. Physical Review D, 2003, 68, .	4.7	24
77	Supersymmetric fine-tuning problem and TeV-scale exotic scalars. Physical Review D, 2005, 72, .	4.7	23
78	Supersymmetry from Typicality: TeV-Scale Gauginos and PeV-Scale Squarks and Sleptons. Physical Review Letters, 2014, 113, 111801.	7.8	23
79	Grand unification and intermediate scale supersymmetry. Journal of High Energy Physics, 2014, 2014, 1.	4.7	23
80	A composite model for the 750 GeV diphoton excess. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23
81	Ensemble from coarse graining: Reconstructing the interior of an evaporating black hole. Physical Review D, 2020, 102, .	4.7	23
82	Compact supersymmetry. Physical Review D, 2012, 86, .	4.7	22
83	Black Hole Interior in Quantum Gravity. Physical Review Letters, 2015, 114, 201301.	7.8	22
84	Unification of weak and hypercharge interactions at the TeV scale. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 532, 111-120.	4.1	21
85	Explicit supersymmetry breaking on boundaries of warped extra dimensions. Nuclear Physics B, 2004, 677, 87-114.	2.5	21
86	Reanalyzing an evaporating black hole. Physical Review D, 2019, 99, .	4.7	21
87	Acceleressence: dark energy from a phase transition at the seesaw scale. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 011-011.	5.4	20
88	Chiral Dark Sector. Physical Review Letters, 2017, 118, 101801.	7.8	20
89	Light chiral dark sector. Physical Review D, 2016, 94, .	4.7	18
90	Multiverse in an inverted island. Physical Review D, 2021, 104, .	4.7	18

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91	A gauge mediation model of dynamical supersymmetry breaking without color instability. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 425, 107-113.	4.1	17
92	Grand-unification scale generation through anomalous U(1) breaking. Physical Review D, 1999, 60, .	4.7	17
93	Holographic grand unification. Journal of High Energy Physics, 2006, 2006, 002-002.	4.7	17
94	Dark matter before the LHC in a natural supersymmetric standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 632, 162-166.	4.1	16
95	Black holes or firewalls: A theory of horizons. Physical Review D, 2013, 88, .	4.7	16
96	Interior of a unitarily evaporating black hole. Physical Review D, 2020, 102, .	4.7	16
97	Coarse-graining holographic states: A semiclassical flow in general spacetimes. Physical Review D, 2020, 102, .	4.7	16
98	Black hole interior in unitary gauge construction. Physical Review D, 2021, 103, .	4.7	15
99	Entropy of a vacuum: What does the covariant entropy count?. Physical Review D, 2014, 90, .	4.7	14
100	Low energy description of quantum gravity and complementarity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 126-133.	4.1	14
101	Spacetime equals entanglement. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 370-374.	4.1	14
102	Cosmological Constants as Messenger between Branes. Progress of Theoretical Physics, 1999, 102, 1181-1185.	2.0	13
103	Matter unification in warped supersymmetric. Nuclear Physics B, 2004, 698, 92-110.	2.5	13
104	Warped supersymmetric unification with a nonunified superparticle spectrum. Physical Review D, 2005, 71, .	4.7	13
105	$\hat{1/4}B$ -driven electroweak symmetry breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 633, 573-582.	4.1	13
106	Cosmological constant in the quantum multiverse. Physical Review D, 2011, 84, .	4.7	13
107	Static quantum multiverse. Physical Review D, 2012, 86, .	4.7	13
108	Area law unification and the holographic event horizon. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12

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109	Gauge-mediation model of dynamical SUSY breaking with a wide range of the gravitino mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 452, 274-278.	4.1	10
110	Quark and lepton mass matrices in the SO(10) grand unified theory with generation flipping. Physical Review D, 2000, 61, .	4.7	10
111	and unified theories on an elongated rectangle. Nuclear Physics B, 2004, 703, 217-235.	2.5	10
112	A simple and realistic model of supersymmetry breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 661, 145-153.	4.1	10
113	750 GeV diphotons: implications for supersymmetric unification II. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
114	Naturally flavorful supersymmetry at the LHC. Physical Review D, 2008, 78, .	4.7	9
115	Relativeness in quantum gravity: limitations and frame dependence of semiclassical descriptions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	9
116	Mass generation for an ultralight axion. Physical Review D, 2000, 61, .	4.7	8
117	Gauge mediation models with neutralino dark matter. Physical Review D, 2003, 68, .	4.7	8
118	Why firewalls need not exist. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 62-69.	4.1	8
119	Tensor modes in pure natural inflation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 106-110.	4.1	8
120	From the black hole conundrum to the structure of quantum gravity. Modern Physics Letters A, 2021, 36, 2130007.	1.2	8
121	Bulk U(1) messenger. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 140-144.	4.1	7
122	Singlet portal to the hidden sector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	7
123	Higgs descendants. Physical Review D, 2012, 86, .	4.7	7
124	Black holes, entropies, and semiclassical spacetime in quantum gravity. Journal of High Energy Physics, 2014, 2014, 1.	4.7	7
125	Outer entropy and quasilocal energy. Physical Review D, 2019, 99, .	4.7	7
126	Environmentally selected WIMP dark matter with high-scale supersymmetry breaking. Physical Review D, 2010, 81, .	4.7	6

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127	Quantum Mechanics, Gravity, and the Multiverse. <i>The Astronomical Review</i> , 2012, 7, 36-52.	4.0	6
128	A note on Boltzmann brains. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 514-518.	4.1	6
129	Classical spacetimes as amplified information in holographic quantum theories. <i>Physical Review D</i> , 2018, 97, .	4.7	5
130	Supersymmetry without the desert. <i>Physical Review D</i> , 2007, 75, .	4.7	4
131	Predictive supersymmetry from criticality. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 648, 213-223.	4.1	3
132	Hidden pion varieties in composite models for diphoton resonances. <i>Physical Review D</i> , 2016, 94, .	4.7	3
133	Butterfly velocities for holographic theories of general spacetimes. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	3
134	Relation on gaugino masses in a supersymmetric $SO(10)$ GUT— $SO(6)$ Unified model. <i>Physical Review D</i> , 1999, 60, .	4.7	2
135	Flat-space quantum gravity in the AdS/CFT correspondence. <i>Physical Review D</i> , 2016, 93, .	4.7	1