

Yasunori Nomura

List of Publications by Year in descending order

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Version: 2024-02-01

135
papers

6,794
citations

61687

45
h-index

75989

78
g-index

138
all docs

138
docs citations

138
times ranked

4739
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | From the black hole conundrum to the structure of quantum gravity. <i>Modern Physics Letters A</i> , 2021, 36, 2130007. | 0.5 | 8 |
| 2 | Black hole interior in unitary gauge construction. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 15 |
| 3 | Information paradox and its resolution in de Sitter holography. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 78 |
| 4 | Multiverse in an inverted island. <i>Physical Review D</i> , 2021, 104, . | 1.6 | 18 |
| 5 | Interior of a unitarily evaporating black hole. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 16 |
| 6 | Coarse-graining holographic states: A semiclassical flow in general spacetimes. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 16 |
| 7 | Ensemble from coarse graining: Reconstructing the interior of an evaporating black hole. <i>Physical Review D</i> , 2020, 102, . | 1.6 | 23 |
| 8 | Spacetime and universal soft modes: Black holes and beyond. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 27 |
| 9 | 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. <i>Physical Review D</i> , 2019, 100, . | 1.6 | 25 |
| 10 | Reanalyzing an evaporating black hole. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 21 |
| 11 | Outer entropy and quasilocal energy. <i>Physical Review D</i> , 2019, 99, . | 1.6 | 7 |
| 12 | Pure natural inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 227-230. | 1.5 | 31 |
| 13 | Tensor modes in pure natural inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 780, 106-110. | 1.5 | 8 |
| 14 | Classical spacetimes as amplified information in holographic quantum theories. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 5 |
| 15 | Pulling the boundary into the bulk. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 29 |
| 16 | Area law unification and the holographic event horizon. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 1.6 | 12 |
| 17 | Spacetime from unentanglement. <i>Physical Review D</i> , 2018, 97, . | 1.6 | 27 |
| 18 | Chiral Dark Sector. <i>Physical Review Letters</i> , 2017, 118, 101801. | 2.9 | 20 |

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|----|---|-----|-----------|
| 19 | Toward a holographic theory for general spacetimes. <i>Physical Review D</i> , 2017, 95, . | 1.6 | 31 |
| 20 | Butterfly velocities for holographic theories of general spacetimes. <i>Journal of High Energy Physics</i> , 2017, 2017, 1. | 1.6 | 3 |
| 21 | Hidden pion varieties in composite models for diphoton resonances. <i>Physical Review D</i> , 2016, 94, . | 1.6 | 3 |
| 22 | Spacetime equals entanglement. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 763, 370-374. | 1.5 | 14 |
| 23 | 750 GeV diphotons: implications for supersymmetric unification. <i>Journal of High Energy Physics</i> , 2016, 2016, 1. | 1.6 | 43 |
| 24 | Why firewalls need not exist. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 761, 62-69. | 1.5 | 8 |
| 25 | Flat-space quantum gravity in the AdS/CFT correspondence. <i>Physical Review D</i> , 2016, 93, . | 1.6 | 1 |
| 26 | Axion Isocurvature and Magnetic Monopoles. <i>Physical Review Letters</i> , 2016, 116, 141803. | 2.9 | 36 |
| 27 | Light chiral dark sector. <i>Physical Review D</i> , 2016, 94, . | 1.6 | 18 |
| 28 | 750 GeV diphotons: implications for supersymmetric unification II. <i>Journal of High Energy Physics</i> , 2016, 2016, 1. | 1.6 | 10 |
| 29 | A composite model for the 750 GeV diphoton excess. <i>Journal of High Energy Physics</i> , 2016, 2016, 1. | 1.6 | 23 |
| 30 | Composite models for the 750 GeV diphoton excess. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 754, 151-156. | 1.5 | 145 |
| 31 | Weak gravity conjecture in the AdS/CFT correspondence. <i>Physical Review D</i> , 2015, 92, . | 1.6 | 48 |
| 32 | Relativeness in quantum gravity: limitations and frame dependence of semiclassical descriptions. <i>Journal of High Energy Physics</i> , 2015, 2015, 1. | 1.6 | 9 |
| 33 | A note on Boltzmann brains. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 514-518. | 1.5 | 6 |
| 34 | Black Hole Interior in Quantum Gravity. <i>Physical Review Letters</i> , 2015, 114, 201301. | 2.9 | 22 |
| 35 | Black holes, entropies, and semiclassical spacetime in quantum gravity. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. | 1.6 | 7 |
| 36 | Entropy of a vacuum: What does the covariant entropy count?. <i>Physical Review D</i> , 2014, 90, . | 1.6 | 14 |

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|----|--|-----|-----------|
| 37 | Supersymmetry from Typicality: TeV-Scale Gauginos and PeV-Scale Squarks and Sleptons. Physical Review Letters, 2014, 113, 111801. | 2.9 | 23 |
| 38 | Grand unification and intermediate scale supersymmetry. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 23 |
| 39 | Grand unification, axion, and inflation in Intermediate Scale Supersymmetry. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 29 |
| 40 | Low energy description of quantum gravity and complementarity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 126-133. | 1.5 | 14 |
| 41 | Inflationary paradigm after Planck 2013. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 112-119. | 1.5 | 142 |
| 42 | A note on (no) firewalls: the entropy argument. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 27 |
| 43 | Complementarity endures: no firewall for an infalling observer. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 55 |
| 44 | Quantum Mechanics, Spacetime Locality, and Gravity. Foundations of Physics, 2013, 43, 978-1007. | 0.6 | 31 |
| 45 | Spread Supersymmetry with W LSP: gluino and dark matter signals. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 109 |
| 46 | Black holes, information, and Hilbert space for quantum gravity. Physical Review D, 2013, 87, . | 1.6 | 40 |
| 47 | Black holes or firewalls: A theory of horizons. Physical Review D, 2013, 88, . | 1.6 | 16 |
| 48 | What can the observation of nonzero curvature tell us?. Physical Review D, 2012, 86, . | 1.6 | 51 |
| 49 | Compact supersymmetry. Physical Review D, 2012, 86, . | 1.6 | 22 |
| 50 | Higgs descendants. Physical Review D, 2012, 86, . | 1.6 | 7 |
| 51 | Static quantum multiverse. Physical Review D, 2012, 86, . | 1.6 | 13 |
| 52 | Quantum Mechanics, Gravity, and the Multiverse. The Astronomical Review, 2012, 7, 36-52. | 4.0 | 6 |
| 53 | Supersymmetry with light stops. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 39 |
| 54 | Spread Supersymmetry. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 137 |

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|----|---|-----|-----------|
| 55 | Cosmological constant in the quantum multiverse. <i>Physical Review D</i> , 2011, 84, . | 1.6 | 13 |
| 56 | Physical theories, eternal inflation, and the quantum universe. <i>Journal of High Energy Physics</i> , 2011, 2011, 1. | 1.6 | 68 |
| 57 | Goldstini. <i>Journal of High Energy Physics</i> , 2010, 2010, 1. | 1.6 | 72 |
| 58 | A finely-predicted Higgs boson mass from a finely-tuned weak scale. <i>Journal of High Energy Physics</i> , 2010, 2010, 1. | 1.6 | 91 |
| 59 | A definitive signal of multiple supersymmetry breaking. <i>Journal of High Energy Physics</i> , 2010, 2010, 1. | 1.6 | 27 |
| 60 | Singlet portal to the hidden sector. <i>Journal of High Energy Physics</i> , 2010, 2010, 1. | 1.6 | 7 |
| 61 | Environmentally selected WIMP dark matter with high-scale supersymmetry breaking. <i>Physical Review D</i> , 2010, 81, . | 1.6 | 6 |
| 62 | New Approach to the μ -Problem of Gauge-Mediated Supersymmetry Breaking. <i>Physical Review Letters</i> , 2009, 102, 111801. | 2.9 | 48 |
| 63 | Cosmic signals from the hidden sector. <i>Physical Review D</i> , 2009, 80, . | 1.6 | 60 |
| 64 | Dark matter signals from cascade annihilations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2009, 2009, 016-016. | 1.9 | 97 |
| 65 | Dark matter through the axion portal. <i>Physical Review D</i> , 2009, 79, . | 1.6 | 153 |
| 66 | Multiverse understanding of cosmological coincidences. <i>Physical Review D</i> , 2009, 80, . | 1.6 | 29 |
| 67 | A simple and realistic model of supersymmetry breaking. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 661, 145-153. | 1.5 | 10 |
| 68 | Flavorful supersymmetry. <i>Physical Review D</i> , 2008, 77, . | 1.6 | 29 |
| 69 | Naturally flavorful supersymmetry at the LHC. <i>Physical Review D</i> , 2008, 78, . | 1.6 | 9 |
| 70 | More visible effects of the hidden sector. <i>Physical Review D</i> , 2008, 77, . | 1.6 | 52 |
| 71 | Evidence for the multiverse in the standard model and beyond. <i>Physical Review D</i> , 2008, 78, . | 1.6 | 43 |
| 72 | Flavorful supersymmetry from higher dimensions. <i>Journal of High Energy Physics</i> , 2008, 2008, 055-055. | 1.6 | 29 |

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|----|--|-----|-----------|
| 73 | Gauge Mediation Simplified. <i>Physical Review Letters</i> , 2007, 98, 151803. | 2.9 | 100 |
| 74 | Simple scheme for gauge mediation. <i>Physical Review D</i> , 2007, 75, . | 1.6 | 54 |
| 75 | Supersymmetry without the desert. <i>Physical Review D</i> , 2007, 75, . | 1.6 | 4 |
| 76 | Supersymmetry without a light Higgs boson. <i>Physical Review D</i> , 2007, 75, . | 1.6 | 90 |
| 77 | Predictive supersymmetry from criticality. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 648, 213-223. | 1.5 | 3 |
| 78 | Minimally fine-tuned supersymmetric standard models with intermediate-scale supersymmetry breaking. <i>Nuclear Physics B</i> , 2006, 745, 29-48. | 0.9 | 28 |
| 79 | Dark matter before the LHC in a natural supersymmetric standard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 632, 162-166. | 1.5 | 16 |
| 80 | $\hat{1}/4B$ -driven electroweak symmetry breaking. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 633, 573-582. | 1.5 | 13 |
| 81 | Natural little hierarchy from a partially goldstone twin Higgs. <i>Journal of High Energy Physics</i> , 2006, 2006, 126-126. | 1.6 | 136 |
| 82 | Holographic grand unification. <i>Journal of High Energy Physics</i> , 2006, 2006, 002-002. | 1.6 | 17 |
| 83 | Supersymmetry, naturalness, and signatures at the CERN LHC. <i>Physical Review D</i> , 2006, 73, . | 1.6 | 182 |
| 84 | A solution to the supersymmetric fine-tuning problem within the MSSM. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005, 631, 58-67. | 1.5 | 200 |
| 85 | Supersymmetric fine-tuning problem and TeV-scale exotic scalars. <i>Physical Review D</i> , 2005, 72, . | 1.6 | 23 |
| 86 | Warped supersymmetric unification with a nonunified superparticle spectrum. <i>Physical Review D</i> , 2005, 71, . | 1.6 | 13 |
| 87 | Relaxing the upper bound on the mass of the lightest supersymmetric Higgs boson. <i>Physical Review D</i> , 2005, 71, . | 1.6 | 40 |
| 88 | A minimally fine-tuned supersymmetric standard model. <i>Nuclear Physics B</i> , 2005, 725, 207-250. | 0.9 | 42 |
| 89 | Evolving Dark Energy with $w \sim 1$. <i>Physical Review Letters</i> , 2005, 95, 141302. | 2.9 | 29 |
| 90 | Acceleressence: dark energy from a phase transition at the seesaw scale. <i>Journal of Cosmology and Astroparticle Physics</i> , 2004, 2004, 011-011. | 1.9 | 20 |

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| 91 | Holographic theories of electroweak symmetry breaking without a Higgs boson. Physical Review D, 2004, 69, . | 1.6 | 77 |
| 92 | Explicit supersymmetry breaking on boundaries of warped extra dimensions. Nuclear Physics B, 2004, 677, 87-114. | 0.9 | 21 |
| 93 | Matter unification in warped supersymmetric. Nuclear Physics B, 2004, 698, 92-110. | 0.9 | 13 |
| 94 | and unified theories on an elongated rectangle. Nuclear Physics B, 2004, 703, 217-235. | 0.9 | 10 |
| 95 | Grand unification in higher dimensions. Annals of Physics, 2003, 306, 132-156. | 1.0 | 35 |
| 96 | Higgs as a holographic pseudo-Goldstone boson. Nuclear Physics B, 2003, 671, 148-174. | 0.9 | 497 |
| 97 | Unification of Higgs and gauge fields in five dimensions. Nuclear Physics B, 2003, 656, 3-22. | 0.9 | 180 |
| 98 | Radiative electroweak symmetry breaking from a quasi-localized top quark. Nuclear Physics B, 2003, 663, 141-162. | 0.9 | 31 |
| 99 | Gauge mediation models with neutralino dark matter. Physical Review D, 2003, 68, . | 1.6 | 8 |
| 100 | Warped supersymmetric grand unification. Physical Review D, 2003, 67, . | 1.6 | 67 |
| 101 | Spectrum of TeV particles in warped supersymmetric grand unification. Physical Review D, 2003, 68, . | 1.6 | 24 |
| 102 | Higgsless theory of electroweak symmetry breaking from warped space. Journal of High Energy Physics, 2003, 2003, 050-050. | 1.6 | 113 |
| 103 | Complete theory of grand unification in five dimensions. Physical Review D, 2002, 66, . | 1.6 | 92 |
| 104 | Gauge coupling unification from unified theories in higher dimensions. Physical Review D, 2002, 65, . | 1.6 | 103 |
| 105 | Softly broken supersymmetric desert from orbifold compactification. Physical Review D, 2002, 66, . | 1.6 | 58 |
| 106 | Strongly coupled grand unification in higher dimensions. Physical Review D, 2002, 65, . | 1.6 | 58 |
| 107 | SO(10) unified theories in six dimensions. Physical Review D, 2002, 65, . | 1.6 | 129 |
| 108 | Models of Scherk-Schwarz symmetry breaking in 5d: classification and calculability. Nuclear Physics B, 2002, 624, 63-80. | 0.9 | 83 |

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| 109 | Gauge-Higgs unification in higher dimensions. Nuclear Physics B, 2002, 639, 307-330. | 0.9 | 131 |
| 110 | Wilson lines and symmetry breaking on orbifolds. Nuclear Physics B, 2002, 645, 85-104. | 0.9 | 73 |
| 111 | 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. | 1.5 | 21 |
| 112 | R symmetry and the \hat{I}^4 problem. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 538, 359-365. | 1.5 | 38 |
| 113 | Finite radiative electroweak symmetry breaking from the bulk. Nuclear Physics B, 2001, 605, 81-115. | 0.9 | 94 |
| 114 | GUT breaking on the brane. Nuclear Physics B, 2001, 613, 147-166. | 0.9 | 80 |
| 115 | Viable ultraviolet-insensitive supersymmetry breaking. Journal of High Energy Physics, 2001, 2001, 041-041. | 1.6 | 80 |
| 116 | Constrained standard model from a compact extra dimension. Physical Review D, 2001, 63, . | 1.6 | 177 |
| 117 | Gauge unification in higher dimensions. Physical Review D, 2001, 64, . | 1.6 | 369 |
| 118 | Low-scale seesaw mechanisms for light neutrinos. Physical Review D, 2001, 64, . | 1.6 | 87 |
| 119 | Quintessence axion potential induced by electroweak instanton effects. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 484, 103-111. | 1.5 | 64 |
| 120 | Bulk U(1) messenger. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 140-144. | 1.5 | 7 |
| 121 | Quark and lepton mass matrices in the SO(10) grand unified theory with generation flipping. Physical Review D, 2000, 61, . | 1.6 | 10 |
| 122 | Mass generation for an ultralight axion. Physical Review D, 2000, 61, . | 1.6 | 8 |
| 123 | Natural effective supersymmetry. Nuclear Physics B, 2000, 584, 3-45. | 0.9 | 50 |
| 124 | Long-lived superheavy particles in dynamical supersymmetry-breaking models in supergravity. Physical Review D, 1999, 60, . | 1.6 | 28 |
| 125 | Relation on gaugino masses in a supersymmetric SO(10) GUT—SO(6) Unified model. Physical Review D, 1999, 60, . | 1.6 | 2 |
| 126 | Grand-unification scale generation through anomalous U(1) breaking. Physical Review D, 1999, 60, . | 1.6 | 17 |

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| 127 | Long lived superheavy dark matter with discrete gauge symmetries. Physical Review D, 1999, 59, . | 1.6 | 31 |
| 128 | Large squark and slepton masses for the first-two generations in the anomalous U(1) SUSY breaking models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 445, 316-322. | 1.5 | 36 |
| 129 | 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. | 1.5 | 10 |
| 130 | Cosmological Constants as Messenger between Branes. Progress of Theoretical Physics, 1999, 102, 1181-1185. | 2.0 | 13 |
| 131 | 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. | 1.5 | 17 |
| 132 | Superheavy dark matter with discrete gauge symmetries. Physical Review D, 1998, 58, . | 1.6 | 44 |
| 133 | Bimaximal neutrino mixing in SO(10)GUT. Physical Review D, 1998, 59, . | 1.6 | 99 |
| 134 | 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, . | 1.6 | 25 |
| 135 | Direct-transmission models of dynamical supersymmetry breaking. Physical Review D, 1997, 56, 2886-2892. | 1.6 | 119 |