Satoshi Iso

List of Publications by Year in descending order

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147801 138484 3,455 90 31 58 citations h-index g-index papers 91 91 91 1402 citing authors all docs docs citations times ranked

#	Article	IF	CITATIONS
1	Gauge symmetry restoration by Higgs condensation in flux compactifications on coset spaces. Physical Review D, 2022, 105, .	4.7	o
2	Entanglement entropy in scalar field theory and <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="double-struck">Z</mml:mi><mml:mi>M</mml:mi></mml:msub></mml:math> gauge theory on Feynman diagrams. Physical Review D, 2021, 103, .	4.7	8
3	Non-Gaussianity of entanglement entropy and correlations of composite operators. Physical Review D, 2021, 103, .	4.7	8
4	Wilsonian Effective Action and Entanglement Entropy. Symmetry, 2021, 13, 1221.	2.2	8
5	Axion-CMB scenario in a supercooled universe. Physical Review D, 2021, 104, .	4.7	3
6	QCD axions and CMB anisotropy. Physical Review D, 2020, 102, .	4.7	2
7	Dynamics of revolving D-branes at short distances. Journal of High Energy Physics, 2020, 2020, 1.	4.7	2
8	A possibility of Lorentz violation in the Higgs sector. Modern Physics Letters A, 2020, 35, 2050064.	1.2	1
9	More on effective potentials for revolving D-branes. Journal of High Energy Physics, 2020, 2020, 1.	4.7	1
10	Observational signatures of dark energy produced in an ancestor vacuum: forecast for galaxy surveys. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 055-055.	5.4	1
11	Large-scale inhomogeneity of dark energy produced in the ancestor vacuum. Physical Review D, 2019, 99, .	4.7	5
12	Effective potential for revolving D-branes. Journal of High Energy Physics, 2019, 2019, 1.	4.7	3
13	Density renormalization group for classical liquids. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	2
14	Vacuum fluctuations in an ancestor vacuum: A possible dark energy candidate. Physical Review D, 2018, 97, .	4.7	3
15	Electromagnetic radiation in a semi-compact space. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 541-547.	2.1	1
16	Secular terms in Dyson series to all orders of perturbation. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	4
17	RG-improvement of the effective action with multiple mass scales. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
18	Scale-invariant feature extraction of neural network and renormalization group flow. Physical Review E, 2018, 97, 053304.	2.1	48

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19	Quantum radiation produced by the entanglement of quantum fields. Physical Review D, 2017, 95, .	4.7	7
20	QCD-Electroweak First-Order Phase Transition in a Supercooled Universe. Physical Review Letters, 2017, 119, 141301.	7.8	98
21	Entanglement-induced quantum radiation. Physical Review D, 2017, 96, .	4.7	6
22	Entanglement of the vacuum between left, right, future, and past: The origin of entanglement-induced quantum radiation. Physical Review D, 2017, 96, .	4.7	34
23	Baryon asymmetry from primordial black holes. Progress of Theoretical and Experimental Physics, 2017, 2017, .	6.6	32
24	Reinterpretation of the Starobinsky model. Progress of Theoretical and Experimental Physics, 2016, 2016, 123E01.	6.6	15
25	Dynamical fine-tuning of initial conditions for small field inflation. Physical Review D, 2016, 93, .	4.7	4
26	Evolution of vacuum fluctuations of an ultra-light massive scalar field generated during and before inflation. Progress of Theoretical and Experimental Physics, 2015, 2015, 113E02-113E02.	6.6	9
27	Revolving D-branes and spontaneous gauge-symmetry breaking. Progress of Theoretical and Experimental Physics, 2015, 2015, 123B01.	6.6	5
28	Small field Coleman-Weinberg inflation driven by a fermion condensate. Physical Review D, 2015, 91, .	4.7	25
29	Radiative symmetry breaking at the Fermi scale and flat potential at the Planck scale. Physical Review D, 2014, 89, .	4.7	37
30	Evolution of vacuum fluctuations generated during and before inflation. Physical Review D, 2014, 89, . Radiative symmetry breaking from flat potential in various symmetry.	4.7	16
31	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> <mml:mrow><mml:mi>U</mml:mi><mml:mo stretchy="false">(<mml:mn>1</mml:mn><mml:msup><mml:mrow><mml:mo) 0.784314<="" 1="" etqq1="" td="" tj=""><td>rg<mark>\$7</mark> /Ove</td><td>erlo<mark>ck</mark> 10 Tf 5</td></mml:mo)></mml:mrow></mml:msup></mml:mo </mml:mrow>	rg <mark>\$7</mark> /Ove	erlo <mark>ck</mark> 10 Tf 5
32	Physical Review D, 2014, 89, Kadanoff-Baym approach to the thermal resonant leptogenesis. Journal of High Energy Physics, 2014, 2014, 1.	4.7	22
33	Coherent flavour oscillation and CP violating parameter in thermal resonant leptogenesis. Journal of High Energy Physics, 2014, 2014, 1.	4.7	17
34	On the cancellation mechanism of radiation from the Unruh detector. Progress of Theoretical and Experimental Physics, 2013, 2013, .	6.6	5
35	TeV-scale B â^² L model with a flat Higgs potential at the Planck scale: In view of the hierarchy problem. Progress of Theoretical and Experimental Physics, 2013, 2013, .	6.6	42
36	Radiation reaction by massive particles and its nonanalytic behavior. Physical Review D, 2012, 86, .	4.7	1

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37	The Einstein equation of state as the Clausius relation with an entropy production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 193-199.	4.1	1
38	Revisiting the naturalness problem: Who is afraid of quadratic divergences?. Physical Review D, 2012, 86, .	4.7	55
39	Resonant leptogenesis in the minimal <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>B</mml:mi><mml:mi>C/mml:mi>C/mml:mi>C/mml:mi>C/mml:mi>C/mml:mi>C/mml:mi>C/mml:mi>C/mml:math>extended standard model at TeV. Physical Review D, 2011, 83, .</mml:mi></mml:math>	4.7	42
40	Stochastic equations in black hole backgrounds and non-equilibrium fluctuation theorems. Nuclear Physics B, 2011, 851, 380-419.	2.5	10
41	Stochastic analysis of an accelerated charged particle: Transverse fluctuations. Physical Review D, 2011, 84, .	4.7	15
42	Non-equilibrium fluctuations of black hole horizons and the generalized second law. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 152-156.	4.1	5
43	Classically conformal B–L extended Standard Model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 676, 81-87.	4.1	245
44	Construction of a topological charge on fuzzyS2 \tilde{A} —S2via a Ginsparg-Wilson relation. Physical Review D, 2009, 80, .	4.7	5
45	Minimal <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:mi>B</mml:mi><mml:mo>â³</mml:mo><mml:mi>L</mml:mi></mml:math> model naturally realized at the TeV scale. Physical Review D, 2009, 80, .	4.7	147
46	Generalized conformal symmetry and recovery of in multiple M2 and D2 branes. Nuclear Physics B, 2009, 816, 256-277.	2.5	9
47	Higher-spin gauge and trace anomalies in two-dimensional backgrounds. Nuclear Physics B, 2008, 799, 60-79.	2.5	24
48	Janus field theories from multiple M2 branes. Physical Review D, 2008, 78, .	4.7	49
49	Hawking radiation via higher-spin gauge anomalies. Physical Review D, 2008, 77, .	4.7	31
50	Index theorem in spontaneously symmetry-broken gauge theories on a fuzzy 2-sphere. Physical Review D, 2008, 78, .	4.7	7
51	Scaling limit of <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">N</mml:mi><mml:mo>=</mml:mo><mml:mn>6</mml:mn></mml:math> superconformal Chern-Simons theories and Lorentzian Bagger-Lambert theories. Physical Review D. 2008. 78	4.7	38
52	HAWKING RADIATION, GRAVITATIONAL ANOMALY, AND CONFORMAL SYMMETRY — THE ORIGIN OF UNIVERSALITY. International Journal of Modern Physics A, 2008, 23, 2082-2090.	1.5	17
53	Quantum anomalies at horizon and Hawking radiations in Myers-Perry black holes. Journal of High Energy Physics, 2007, 2007, 068-068.	4.7	67
54	Higher-spin currents and thermal flux from Hawking radiation. Physical Review D, 2007, 75, .	4.7	45

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55	Tuning phase transition between quantum spin Hall and ordinary insulating phases. Physical Review B, 2007, 76, .	3.2	133
56	Fluxes of higher-spin currents and Hawking radiation from charged black holes. Physical Review D, 2007, 76, .	4.7	37
57	Ginsparg-Wilson Dirac operator in monopole backgrounds on the fuzzy 2-sphere. Physical Review D, 2007, 75, .	4.7	22
58	Anomalies, Hawking radiations, and regularity in rotating black holes. Physical Review D, 2006, 74, .	4.7	216
59	Hawking Radiation from Charged Black Holes via Gauge and Gravitational Anomalies. Physical Review Letters, 2006, 96, 151302.	7.8	214
60	Dynamical generation of a nontrivial index on the fuzzy 2-sphere. Physical Review D, 2005, 71, .	4.7	29
61	Fermionic backgrounds and condensation of supergravity fields in the type IIB matrix model. Physical Review D, 2005, 72, .	4.7	5
62	Gauge theory on a noncommutative supersphere from a supermatrix model. Physical Review D, 2004, 69, .	4.7	23
63	Note on gauge theory on a fuzzy supersphere. Physical Review D, 2004, 69, .	4.7	10
64	Wilson loops and vertex operators in a matrix model. Physical Review D, 2004, 70, .	4.7	10
65	Ginsparg–Wilson relation and 't Hooft–Polyakov monopole on fuzzy 2-sphere. Nuclear Physics B, 2004, 684, 162-182.	2.5	36
66	Noncommutative superspace, supermatrix and lowest Landau level. Nuclear Physics B, 2003, 671, 217-242.	2.5	32
67	Chiral anomaly on a fuzzy 2-sphere. Physical Review D, 2003, 67, .	4.7	27
68	Ginsparg-Wilson relation, topological invariants, and finite noncommutative geometry. Physical Review D, 2003, 67, .	4.7	46
69	Orbifold matrix model. Nuclear Physics B, 2002, 634, 71-89.	2.5	21
70	Noncommutative gauge theory on fuzzy sphere from matrix model. Nuclear Physics B, 2001, 604, 121-147.	2.5	170
71	Supermatrix models. Nuclear Physics B, 2001, 610, 251-279.	2.5	31
72	SPACE–TIME AND MATTER IN THE IIB MATRIX MODEL — GAUGE SYMMETRY AND DIFFEOMORPHISM. International Journal of Modern Physics A, 2000, 15, 651-666.	1.5	23

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73	Scaling behaviors of branched polymers. Physical Review E, 2000, 62, 6260-6269.	2.1	3
74	Bi-local fields in noncommutative field theory. Nuclear Physics B, 2000, 576, 375-398.	2.5	44
75	String scale in noncommutative Yang–Mills. Nuclear Physics B, 2000, 583, 159-181.	2.5	36
76	Non-commutative Yang–Mills in IIB matrix model. Nuclear Physics B, 2000, 565, 176-192.	2.5	233
77	Wilson loops in non-commutative Yang–Mills. Nuclear Physics B, 2000, 573, 573-593.	2.5	170
78	IIB Matrix Model. Progress of Theoretical Physics Supplement, 1999, 134, 47-83.	0.1	100
79	Collective field theory of the fractional quantum Hall edge state and the Calogero-Sutherland model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 352, 111-116.	4.1	19
80	Anyon basis of c = 1 conformal field theory. Nuclear Physics B, 1995, 443, 581-595.	2.5	26
81	Explicit relation of the quantum Hall effect and the Calogero-Sutherland model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 331, 107-113.	4.1	89
82	LONG DISTANCE UNIVERSALITY OF LAUGHLIN STATE AND CALOGERO-SUTHERLAND MODEL. Modern Physics Letters A, 1994, 09, 2123-2137.	1.2	6
83	Canonical formulation of quantum tunneling with dissipation. Physical Review Letters, 1992, 68, 1093-1096.	7.8	45
84	Quantum tunneling with dissipation: Possible enhancement by dissipative interactions. Physical Review B, 1992, 46, 10295-10309.	3.2	23
85	One-dimensional fermions as two-dimensional droplets via Chern-Simons theory. Nuclear Physics B, 1992, 388, 700-714.	2.5	68
86	Fermions in the lowest Landau level. Bosonization, Wâ^ž algebra, droplets, chiral bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 296, 143-150.	4.1	125
87	Necessity of a finite-size term in the WZW model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 244, 241-244.	4.1	0
88	Geometric description for spinning particles in three dimensions and Chern-Simons-Polyakov theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 236, 287-290.	4.1	19
89	The spin factor in knots and a relativistic treatment of the Bose-Fermi trasmutation in second-quantized theories. Nuclear Physics B, 1990, 346, 293-312.	2.5	29
90	Hamiltonian Formulation of the Schwinger Model. Progress of Theoretical Physics, 1990, 84, 142-163.	2.0	12