

# Satoshi Iso

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3589038/publications.pdf>

Version: 2024-02-01

90  
papers

3,455  
citations

147801

31  
h-index

138484

58  
g-index

91  
all docs

91  
docs citations

91  
times ranked

1402  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gauge symmetry restoration by Higgs condensation in flux compactifications on coset spaces. Physical Review D, 2022, 105, .	4.7	0
2	Entanglement entropy in scalar field theory and $\langle Z \rangle$ 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



#	ARTICLE	IF	CITATIONS
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 $B\hat{L}$ extended standard model at TeV. Physical Review D, 2011, 83, .	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 $B\hat{L}$ 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 fuzzy $S^2$ via a Ginsparg-Wilson relation. Physical Review D, 2009, 80, .	4.7	5
45	Minimal $B\hat{L}$ 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 $N\hat{S}^2$ 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 $\hat{L}$ 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

#	ARTICLE	IF	CITATIONS
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

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