

Yuya Tanizaki

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

1,330
citations

257357

24
h-index

345118

36
g-index

49
all docs

49
docs citations

49
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Negative string tension of a higher-charge Schwinger model via digital quantum simulation. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	10
2	Center vortex and confinement in Yang-Mills theory and QCD with anomaly-preserving compactifications. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	10
3	Exploring the $\hat{\Gamma}$ -vacuum structure in the functional renormalization group approach. Journal of High Energy Physics, 2022, 2022, 1.	1.6	1
4	Semi-Abelian gauge theories, non-invertible symmetries, and string tensions beyond N-ality. Journal of High Energy Physics, 2021, 2021, 1.	1.6	44
5	Topological terms of (2+1)d flag-manifold sigma models. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
6	Noninvertible 1-form symmetry and Casimir scaling in 2D Yang-Mills theory. Physical Review D, 2021, 104, .	1.6	36
7	Sigma-model analysis of SU(3) antiferromagnetic spins on the triangular lattice. Physical Review B, 2021, 104, .	1.1	1
8	Lattice gauge theory for the Haldane conjecture and central-branch Wilson fermion. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	9
9	Decompactification and \mathbb{C} breaking at $\hat{\Gamma}$ in Yang-Mills theories and a novel phase for SU(2). Physical Review D, 2020, 102, .	1.6	8
10	Modified instanton sum in QCD and higher-groups. Journal of High Energy Physics, 2020, 2020, 1.	1.6	59
11	Universality between vector-like and chiral quiver gauge theories: anomalies and domain walls. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
12	Topological aspects of 4D Abelian lattice gauge theories with the $\hat{\Gamma}$ parameter. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
13	Anomalies, a mod 2 index, and dynamics of 2d adjoint QCD. SciPost Physics, 2020, 8, .	1.5	31
14	Finite-density massless two-color QCD at the isospin Roberge-Weiss point and the 't Hooft anomaly. Physical Review Research, 2020, 2, .	1.3	7
15	High-temperature domain walls of QCD with imaginary chemical potentials. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
16	Effective gauge theories of superfluidity with topological order. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
17	Fractional $\hat{\Gamma}$ angle, $\hat{\Gamma}$ Hooft anomaly, and quantum instantons in charge-q multi-flavor Schwinger model. Journal of High Energy Physics, 2019, 2019, 1.	1.6	36
18	Quark-Hadron Continuity beyond the Ginzburg-Landau Paradigm. Physical Review Letters, 2019, 122, 212001.	2.9	35

#	ARTICLE	IF	CITATIONS
19	Phase structure of the twisted SU(3)/U(1) ² flag sigma model on \hat{A}_1 -S1. Journal of High Energy Physics, 2019, 2019, 1. Topological order in the color-flavor locked phase of a $(\mathbb{Z} \times \mathbb{Z})$ TQFT. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	19
20	$\frac{1}{N} \text{Tr} \left(\sum_{i=1}^N \mathbf{U}_i \right)$ TQFT. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	22
21	anomaly matching in bosonic quantum field theory and spin chains. <i>Physical Review B</i> , 2018, 97, .	1.6	65
22	Anomaly matching for the phase diagram of massless QCD. <i>Physical Review D</i> , 2018, 97, .	1.6	65
23	Cheshire Cat Resurgence, Self-Resurgence and Quasi-Exact Solvable Systems. <i>Communications in Mathematical Physics</i> , 2018, 364, 835-878.	1.0	32
24	Quantum distillation of Hilbert spaces, semi-classics and anomaly matching. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	25
25	Anomaly constraint on massless QCD and the role of Skyrmions in chiral symmetry breaking. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	59
26	Anomaly and global inconsistency matching: $\hat{U}(1)$ angles, nonlinear sigma mod. <i>Physical Review B</i> , 2018, 98, .	1.1	68
27	Giant photocurrent in asymmetric Weyl semimetals from the helical magnetic effect. <i>Physical Review B</i> , 2018, 98, .	1.1	26
28	Multi-regulator functional renormalization group for many-fermion systems. <i>International Journal of Modern Physics E</i> , 2017, 26, 1740027.	0.4	0
29	Vacuum structure of bifundamental gauge theories at finite topological angles. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	70
30	Topological properties of the chiral magnetic effect in multi-Weyl semimetals. <i>Physical Review B</i> , 2017, 96, .	1.1	18
31	Multi-flavor massless QED2 at finite densities via Lefschetz thimbles. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	22
32	Circle compactification and \mathbb{Z} Hooft anomaly. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	77
33	Gradient flows without blow-up for Lefschetz thimbles. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	18
34	Global inconsistency, \mathbb{Z} Hooft anomaly, and level crossing in quantum mechanics. <i>Progress of Theoretical and Experimental Physics</i> , 2017, 2017, .	1.8	47
35	Lefschetz-thimble approach to the Silver Blaze problem of one-site fermion model. , 2017, , .		0
36	Lefschetz-thimble analysis of the sign problem in one-site fermion model. <i>New Journal of Physics</i> , 2016, 18, 033002.	1.2	64

#	ARTICLE	IF	CITATIONS
37	Complex saddle points and the sign problem in complex Langevin simulation. Nuclear Physics B, 2016, 911, 94-105.	0.9	27
38	Lefschetz-thimble path integral for solving the mean-field sign problem. , 2016, , .		0
39	Evading the sign problem in the mean-field approximation through Lefschetz-thimble path integral. Physical Review D, 2015, 91, .	1.6	35
40	From quantum to classical dynamics: The relativistic $\frac{d}{dt} \langle O \rangle = \langle [O, H] \rangle$ functional renormalization group. Physical Review D, 2015, 92, .	1.6	25
41	Hamilton dynamics for Lefschetz-thimble integration akin to the complex Langevin method. Progress of Theoretical and Experimental Physics, 2015, 2015, 111A01-111A01.	1.8	28
42	Lefschetz-thimble techniques for path integral of zero-dimensional $O(n)$ sigma models. Physical Review D, 2015, 91, .	1.6	34
43	Structure of Lefschetz thimbles in simple fermionic systems. Journal of High Energy Physics, 2015, 2015, 1.	1.6	63
44	Fermionic functional renormalization group approach to superfluid phase transition. Progress of Theoretical and Experimental Physics, 2014, 2014, 43I01-0.	1.8	13
45	Phase structure of $SU(3)$ gauge-Higgs unification models at finite temperature. Physical Review D, 2014, 89, .	1.6	0
46	Fermionic functional renormalization group approach to Bose-Einstein condensation of dimers. Progress of Theoretical and Experimental Physics, 2014, 2014, 23A04-0.	1.8	3
47	Real-time Feynman path integral with Picard-Lefschetz theory and its applications to quantum tunneling. Annals of Physics, 2014, 351, 250-274.	1.0	75
48	Functional renormalization group approach to conventional theory of superfluidity and beyond. Journal of Physics: Conference Series, 2014, 529, 012027.	0.3	1
49	Flow equation of functional renormalization group for three-body scattering problems. Progress of Theoretical and Experimental Physics, 2013, 2013, 113A01-113A01.	1.8	4