

Claudio Rebbi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2464349/publications.pdf>

Version: 2024-02-01

39
papers

792
citations

471509

17
h-index

501196

28
g-index

39
all docs

39
docs citations

39
times ranked

416
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly interacting dynamics and the search for new physics at the LHC. Physical Review D, 2016, 93, .	4.7	81
2	Nonperturbative investigations of SU(3) gauge theory with eight dynamical flavors. Physical Review D, 2019, 99, .	4.7	66
3	Lattice simulations with eight flavors of domain wall fermions in SU(3) gauge theory. Physical Review D, 2014, 90, .	4.7	55
4	Semiclassical study of baryon and lepton number violation in high-energy electroweak collisions. Physical Review D, 2003, 68, .	4.7	49
5	Stealth dark matter: Dark scalar baryons through the Higgs portal. Physical Review D, 2015, 92, .	4.7	40
6	Composite bosonic baryon dark matter on the lattice: $S = \frac{1}{2} \text{Tr} [U^\dagger \partial_\mu U + \text{h.c.}] + \frac{1}{4} \text{Tr} [F_{\mu\nu}^2] + \text{Tr} [\bar{\psi} \gamma_\mu \partial_\nu \psi - \bar{\psi} \gamma_\nu \partial_\mu \psi] + \text{Tr} [\bar{\psi} \psi]$ interaction. Physical Review D, 2014, 89, .	4.7	39
7	Composite Higgs model at a conformal fixed point. Physical Review D, 2016, 93, .	4.7	38
8	$K^0 \rightarrow \pi^0$ mixing beyond the standard model and CP-violating electroweak penguins in quenched QCD with exact chiral symmetry. Physical Review D, 2006, 74, .	4.7	37
9	Diquark correlations in baryons on the lattice with overlap quarks. Physical Review D, 2007, 76, .	4.7	37
10	Detecting Stealth Dark Matter Directly through Electromagnetic Polarizability. Physical Review Letters, 2015, 115, 171803.	7.8	37
11	Lattice calculation of composite dark matter form factors. Physical Review D, 2013, 88, .	4.7	34
12	Semiclassical description of tunneling in scattering with multiple degrees of freedom. Physical Review D, 1999, 60, .	4.7	30
13	Holes in the ghost condensate. Physical Review D, 2005, 71, .	4.7	30
14	Two-Color Gauge Theory with Novel Infrared Behavior. Physical Review Letters, 2014, 112, 111601.	7.8	26
15	Large scale separation and hadronic resonances from a new strongly interacting sector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 86-90.	4.1	19
16	PHYSICS GOALS OF THE QCD TERAFLOP PROJECT. International Journal of Modern Physics C, 1991, 02, 829-947.	1.7	18
17	Near-conformal dynamics in a chirally broken system. Physical Review D, 2021, 103, .	4.7	18
18	Gradient flow step-scaling function for SU(3) with twelve flavors. Physical Review D, 2019, 100, .	4.7	16

#	ARTICLE	IF	CITATIONS
19	Gradient flow step-scaling function for SU(3) with ten fundamental flavors. Physical Review D, 2020, 101, .	4.7	15
20	Fermions on tori in uniform Abelian fields. Physical Review D, 2002, 65, .	4.7	12
21	Linear sigma EFT for nearly conformal gauge theories. Physical Review D, 2018, 98, .	4.7	12
22	Nonperturbative determination of $\hat{\Gamma}^2$ functions for SU(3) gauge theories with 10 and 12 fundamental flavors using domain wall fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134937.	4.1	11
23	Maximum-likelihood approach to topological charge fluctuations in lattice gauge theory. Physical Review D, 2014, 90, .	4.7	10
24	A novel approach to the study of conformality in the SU(3) theory with multiple flavors. Journal of Experimental and Theoretical Physics, 2015, 120, 423-427.	0.9	8
25	Stealth dark matter confinement transition and gravitational waves. Physical Review D, 2021, 103, .	4.7	8
26	Goldstone boson scattering with a light composite scalar. Physical Review D, 2022, 105, .	4.7	8
27	Testing Fermion Universality at a Conformal Fixed Point. EPJ Web of Conferences, 2018, 175, 03006.	0.3	7
28	SURFACE FREE ENERGY OF HADRONIC AND GLUONIC DROPLETS FROM LATTICE QCD. International Journal of Modern Physics C, 1992, 03, 931-938.	1.7	6
29	Study of the $\hat{\epsilon}^{\text{TM}}$ Hooft model with the overlap Dirac operator. Physical Review D, 2002, 65, .	4.7	6
30	$\langle W \rangle \langle W \rangle$ scattering parameters via pseudoscalar phase shifts. Physical Review D, 2012, 85, .	4.7	4
31	Determination of the $N_f=12$ step scaling function using Möbius domain wall fermions. , 2019, , .		4
32	Investigating BSM Models with Large Scale Separation. EPJ Web of Conferences, 2018, 175, 08007.	0.3	3
33	Targeting the Conformal Window: Scalars on the Lattice. Journal of Physics: Conference Series, 2015, 640, 012055.	0.4	2
34	Strongly coupled gauge theories: What can lattice calculations teach us?. International Journal of Modern Physics A, 2017, 32, 1747003.	1.5	2
35	Infrared properties of a prototype model for beyond-Standard Model physics. , 2016, , .		2
36	Targeting the Conformal Window: Determining the Running Coupling. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Large scale separation and hadronic resonances from a new strongly interacting sector. , 2017, , .		1
38	Strongly Coupled Gauge Theories: What Can Lattice Calculations Teach Us?. , 2018, , .		0
39	Recollections of a Most Fruitful and Enjoyable Collaboration: Looking Back at My Work with Roman Jackiw. , 2020, , 45-50.		0