

Evan Berkowitz

List of Publications by Year in descending order

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623734

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36
docs citations

36
times ranked

627
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed analysis of excited-state systematics in a lattice QCD calculation of $\langle \bar{\psi} \psi \rangle$. Physical Review C, 2022, 105, .		
2	Two-nucleon S -wave interactions at the SU(3) flavor-symmetric point with $\langle \bar{\psi} \psi \rangle$: A first lattice QCD calculation with the stochastic Lap. Physical Review C, 2021, 103, .	2.9	30
3	Machine learning to alleviate Hubbard-model sign problems. Physical Review B, 2021, 103, . Scale setting the $\bar{\psi} \psi$ domain wall fermion on gradient-flowed HISQ action using the omega baryon mass and the gradient-flow scales $\langle \bar{\psi} \psi \rangle$.	3.2	19
4	$\langle \bar{\psi} \psi \rangle$ and $\langle \bar{\psi} \psi \rangle$ at finite temperature. Physical Review D, 2021, 103, .	4.7	9
5	Structure Factors of Neutron Matter at Finite Temperature. Physical Review Letters, 2021, 126, 132701.	7.8	6
6	The Ising model with Hybrid Monte Carlo. Computer Physics Communications, 2021, 265, 107978.	7.5	2
7	Antiferromagnetic character of the quantum phase transition in the Hubbard model on the honeycomb lattice. Physical Review B, 2021, 104, .	3.2	9
8	Semimetal \leftrightarrow Mott insulator quantum phase transition of the Hubbard model on the honeycomb lattice. Physical Review B, 2020, 102, .	3.2	20
9	$\langle \bar{\psi} \psi \rangle$ from $\bar{\psi} \psi$ domain-wall fermions solved on gradient-flowed HISQ ensembles. Physical Review D, 2020, 102, .	4.7	25
10	Avoiding ergodicity problems in lattice discretizations of the Hubbard model. Physical Review B, 2019, 100, .	3.2	10
11	Toward holographic reconstruction of bulk geometry from lattice simulations. Journal of High Energy Physics, 2018, 2018, 1.	4.7	19
12	Nucleon axial coupling from Lattice QCD. EPJ Web of Conferences, 2018, 175, 01008.	0.3	7
13	Job Management and Task Bundling. EPJ Web of Conferences, 2018, 175, 09007.	0.3	11
14	Hubbard-Stratonovich-like Transformations for Few-Body Interactions. EPJ Web of Conferences, 2018, 175, 11012.	0.3	0
15	Extracting the Single-Particle Gap in Carbon Nanotubes with Lattice Quantum Monte Carlo. EPJ Web of Conferences, 2018, 175, 03009.	0.3	5
16	Calm Multi-Baryon Operators. EPJ Web of Conferences, 2018, 175, 05029.	0.3	5
17	Simulating the Weak Death of the Neutron in a Femtoscale Universe with Near-Exascale Computing. , 2018, , .		6
18	Heavy Physics Contributions to Neutrinoless Double Beta Decay from QCD. Physical Review Letters, 2018, 121, 172501.	7.8	45

#	ARTICLE	IF	CITATIONS
19	Gauged and ungauged: a nonperturbative test. Journal of High Energy Physics, 2018, 2018, 1.	4.7	24
20	A per-cent-level determination of the nucleon axial coupling from quantum chromodynamics. Nature, 2018, 558, 91-94.	27.8	146
21	Job Management with mpi_jm. Lecture Notes in Computer Science, 2018, , 432-439.	1.3	2
22	Two-nucleon higher partial-wave scattering from lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 285-292.	4.1	68
23	MÃ¶bius domain-wall fermions on gradient-flowed dynamical HISQ ensembles. Physical Review D, 2017, 96, .	4.7	12
24	Sampling general N-body interactions with auxiliary fields. Europhysics Letters, 2017, 119, 60006.	2.0	5
25	Chaos in matrix models and black hole evaporation. Physical Review D, 2016, 94, .	4.7	16
26	A microscopic description of black hole evaporation via holography. International Journal of Modern Physics D, 2016, 25, 1644002.	2.1	13
27	Precision lattice test of the gauge/gravity duality at large N . Physical Review D, 2016, 94, .	4.7	51
28	Neutrinoless double beta decay from lattice QCD. , 2016, , .		5
29	Detecting Stealth Dark Matter Directly through Electromagnetic Polarizability. Physical Review Letters, 2015, 115, 171803.	7.8	37
30	Lattice QCD input for axion cosmology. Physical Review D, 2015, 92, .	4.7	89
31	Thermodynamics of nuclear condensates and phase transitions in white dwarfs. Physical Review D, 2014, 89, .	4.7	3
32	Composite bosonic baryon dark matter on the lattice: $SU(4)$ interaction. Physical Review D, 2014, 89, .	4.7	39
33	Stable vortex loops in two-species BECs. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 225301.	1.5	4
34	NUCLEAR CONDENSATE AND HELIUM WHITE DWARFS. Astrophysical Journal, 2012, 749, 5.	4.5	3
35	Electron shielding of vortons in high-density quark matter. Physical Review D, 2012, 85, .	4.7	1
36	Vortons in dense quark matter. Physical Review D, 2011, 84, .	4.7	3