

Silas R Beane

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,434
citations

361413

20
h-index

454955

30
g-index

33
all docs

33
docs citations

33
times ranked

617
citing authors

#	ARTICLE	IF	CITATIONS
1	$I=2\pi\epsilon$ scattering from fully-dynamical mixed-action lattice QCD. Physical Review D, 2006, 73, .	4.7	106
2	Multipion Systems in Lattice QCD and the Three-Pion Interaction. Physical Review Letters, 2008, 100, 082004.	7.8	98
3	Two nucleon systems at ϵ lattice QCD. Physical Review D, 2015, 92, .	4.7	92
4	Precise determination of the $I=2\pi\epsilon$ scattering length from mixed-action lattice QCD. Physical Review D, 2008, 77, .	4.7	89
5	n-boson energies at finite volume and three-boson interactions. Physical Review D, 2007, 76, .	4.7	88
6	Hyperon-nucleon scattering from fully-dynamical lattice QCD. Nuclear Physics A, 2007, 794, 62-72.	1.5	83
7	Multipion states in lattice QCD and the charged-pion condensate. Physical Review D, 2008, 78, .	4.7	82
8	Proton-Proton Fusion and Tritium I^2 Decay from Lattice Quantum Chromodynamics. Physical Review Letters, 2017, 119, 062002.	7.8	71
9	High statistics analysis using anisotropic clover lattices. II. Three-baryon systems. Physical Review D, 2009, 80, .	4.7	69
10	Ab Initio Calculation of the n p d I^3 Radiative Capture Process. Physical Review Letters, 2015, 115, 132001.	7.8	68
11	Magnetic structure of light nuclei from lattice QCD. Physical Review D, 2015, 92, .	4.7	62
12	Entanglement Suppression and Emergent Symmetries of Strong Interactions. Physical Review Letters, 2019, 122, 102001.	7.8	59
13	πK scattering in full QCD with domain-wall valence quarks. Physical Review D, 2006, 74, .	4.7	58
14	High statistics analysis using anisotropic clover lattices: Single hadron correlation functions. Physical Review D, 2009, 79, .	4.7	58
15	High statistics analysis using anisotropic clover lattices: III. Baryon-baryon interactions. Physical Review D, 2010, 81, .	4.7	57
16	HADRONIC INTERACTIONS FROM LATTICE QCD. International Journal of Modern Physics E, 2008, 17, 1157-1218.	1.0	48
17	Perturbative nuclear physics. Physical Review C, 2009, 80, .	2.9	48
18	$K+K$ scattering length from lattice QCD. Physical Review D, 2008, 77, .	4.7	46

#	ARTICLE	IF	CITATIONS
19	Two-particle elastic scattering in a finite volume including QED. Physical Review D, 2014, 90, .	4.7	24
20	Ground-state energy of the interacting Bose gas in two dimensions: An explicit construction. Physical Review A, 2010, 82, .	2.5	21
21	Unitary Limit of Two-Nucleon Interactions in Strong Magnetic Fields. Physical Review Letters, 2016, 116, 112301.	7.8	20
22	Low-energy scattering and effective interactions of two baryons at $\mu < m$ from lattice quantum chromodynamics. Physical Review D, 2021, 103, .	4.7	20
23	Entanglement minimization in hadronic scattering with pions. International Journal of Modern Physics A, 2021, 36, .	1.5	20
24	Chiral symmetry breaking, entanglement, and the nucleon spin decomposition. Modern Physics Letters A, 2020, 35, 2050048.	1.2	17
25	Symmetries of the Nucleon Nucleon S-Matrix and Effective Field Theory Expansions. Few-Body Systems, 2022, 63, 1.	1.5	9
26	Effective-range corrections to the ground-state energy of the weakly-interacting Bose gas in two dimensions. European Physical Journal D, 2018, 72, 1.	1.3	7
27	Dimensional crossover in non-relativistic effective field theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 035001.	1.5	5
28	Causality and dimensionality in geometric scattering. Annals of Physics, 2022, 440, 168841.	2.8	2
29	Goldstone's Theorem on a Light-Like Plane. Few-Body Systems, 2015, 56, 523-529.	1.5	1
30	NUCLEON-NUCLEON SCATTERING IN THE $1/N_c$ EXPANSION. , 2002, , .		0
31	Photonic Probes of the Deuteron in Effective Field Theory. , 2001, , .		0
32	THE CHALLENGE OF CALCULATING BARYON-BARYON SCATTERING FROM LATTICE QCD. , 2007, , .		0