Silas R Beane

List of Publications by Year
in descending order

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	Causality and dimensionality in geometric scattering. Annals of Physics, 2022, 440, 168841.	2.8	2
2	Symmetries of the Nucleon–Nucleon S-Matrix and Effective Field Theory Expansions. Few-Body Systems, 2022, 63, 1.	1.5	9
3	Low-energy scattering and effective interactions of two baryons at $m_\pi \approx$ from lattice quantum chromodynamics. Physical Review D, 2021, 103, .	4.7	20
4	Entanglement minimization in hadronic scattering with pions. International Journal of Modern Physics A, 2021, 36, .	1.5	20
5	Chiral symmetry breaking, entanglement, and the nucleon spin decomposition. Modern Physics Letters A, 2020, 35, 2050048.	1.2	17
6	Entanglement Suppression and Emergent Symmetries of Strong Interactions. Physical Review Letters, 2019, 122, 102001.	7.8	59
7	Dimensional crossover in non-relativistic effective field theory. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 035001.	1.5	5
8	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
9	Proton-Proton Fusion and Tritium β Decay from Lattice Quantum Chromodynamics. Physical Review Letters, 2017, 119, 062002.	7.8	71
10	Unitary Limit of Two-Nucleon Interactions in Strong Magnetic Fields. Physical Review Letters, 2016, 116, 112301.	7.8	20
11	Magnetic structure of light nuclei from lattice QCD. Physical Review D, 2015, 92, .	4.7	62
12	Two nucleon systems at $m_\pi \approx$ lattice QCD. Physical Review D, 2015, 92, .	4.7	92
13	*Ab initio* Calculation of the $np \to d\gamma$ Radiative Capture Process. Physical Review Letters, 2015, 115, 132001.	7.8	68
14	Goldstone's Theorem on a Light-Like Plane. Few-Body Systems, 2015, 56, 523-529.	1.5	1
15	Two-particle elastic scattering in a finite volume including QED. Physical Review D, 2014, 90, .	4.7	24
16	Ground-state energy of the interacting Bose gas in two dimensions: An explicit construction. Physical Review A, 2010, 82, .	2.5	21
17	High statistics analysis using anisotropic clover lattices: III. Baryon-baryon interactions. Physical Review D, 2010, 81, .	4.7	57
18	High statistics analysis using anisotropic clover lattices. II. Three-baryon systems. Physical Review D, 2009, 80, .	4.7	69

#	Article	IF	Citations
19	Perturbative nuclear physics. Physical Review C, 2009, 80, .	2.9	48
20	High statistics analysis using anisotropic clover lattices: Single hadron correlation functions. Physical Review D, 2009, 79, .	4.7	58
21	K+K+scattering length from lattice QCD. Physical Review D, 2008, 77, .	4.7	46
22	Multipion states in lattice QCD and the charged-pion condensate. Physical Review D, 2008, 78, .	4.7	82
23	Precise determination of theI=2Ï€Ï€scattering length from mixed-action lattice QCD. Physical Review D, 2008, 77, .	4.7	89
24	HADRONIC INTERACTIONS FROM LATTICE QCD. International Journal of Modern Physics E, 2008, 17, 1157-1218.	1.0	48
25	Multipion Systems in Lattice QCD and the Three-Pion Interaction. Physical Review Letters, 2008, 100, 082004.	7.8	98
26	n-boson energies at finite volume and three-boson interactions. Physical Review D, 2007, 76, .	4.7	88
27	Hyperonâ€"nucleon scattering from fully-dynamical lattice QCD. Nuclear Physics A, 2007, 794, 62-72.	1.5	83
28	THE CHALLENGE OF CALCULATING BARYON-BARYON SCATTERING FROM LATTICE QCD. , 2007, , .		0
29	Ï€Kscattering in full QCD with domain-wall valence quarks. Physical Review D, 2006, 74, .	4.7	58
30	I=2Ï€Ï€scattering from fully-dynamical mixed-action lattice QCD. Physical Review D, 2006, 73, .	4.7	106
31	NUCLEON-NUCLEON SCATTERING IN THE 1/N_c EXPANSION. , 2002, , .		0
32	Photonic Probes of the Deuteron in Effective Field Theory. , 2001, , .		0