

Andre Walker-Loud

List of Publications by Year in descending order

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46
papers

1,746
citations

201674

27
h-index

265206

42
g-index

47
all docs

47
docs citations

47
times ranked

980
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed analysis of excited-state systematics in a lattice QCD calculation of $\langle \bar{\psi} \psi \rangle$ and $\langle \bar{\psi} \psi \rangle$ Physical Review C, 2022, 105, .		
2	Two-nucleon S -wave interactions at the SU(3) flavor-symmetric point with χ baryon masses. Physical Review C, 2021, 103, .	2.9	30
3	χ baryon masses in lattice QCD. Physical Review C, 2021, 103, .	4.7	9
4	Towards grounding nuclear physics in QCD. Progress in Particle and Nuclear Physics, 2021, 121, 103888.	14.4	36
5	χ baryon masses in lattice QCD. Physical Review D, 2020, 102, .	4.7	25
6	EspressoDB: A scientific database for managing high-performance computing workflows. Journal of Open Source Software, 2020, 5, 2007.	4.6	5
7	Job Management and Task Bundling. EPJ Web of Conferences, 2018, 175, 09007.	0.3	11
8	Calm Multi-Baryon Operators. EPJ Web of Conferences, 2018, 175, 05029.	0.3	5
9	Simulating the Weak Death of the Neutron in a Femtoscale Universe with Near-Exascale Computing. , 2018, , .		6
10	Neutrinoless double- β decay in effective field theory: The light-Majorana neutrino-exchange mechanism. Physical Review C, 2018, 97, .	2.9	38
11	Job Management with mpi_jm. Lecture Notes in Computer Science, 2018, , 432-439.	1.3	2
12	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
13	Lattice QCD spectroscopy for hadronic CP violation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 254-262.	4.1	27
14	On the Feynman-Hellmann theorem in quantum field theory and the calculation of matrix elements. Physical Review D, 2017, 96, .	4.7	45
15	χ baryon masses on gradient-flowed dynamical HISQ ensembles. Physical Review D, 2017, 96, .	4.7	12
16	Massive Photons: An Infrared Regularization Scheme for Lattice QED. Physical Review Letters, 2016, 117, 072002.	7.8	33
17	Neutrinoless double beta decay from lattice QCD. , 2016, , .		5
18	Multichannel $1 \rightarrow 2$ transition amplitudes in a finite volume. Physical Review D, 2015, 91, .	4.7	92

#	ARTICLE	IF	CITATIONS
19	Electromagnetic Self-Energy Contribution to $\langle M_p \rangle$ the Isovector Nucleon Magnetic Polarizability. Physical Review Letters, 2012, 108, 232301.	7.8	65
20	Evidence for nonanalytic light quark mass dependence in the baryon spectrum. Physical Review D, 2012, 86, .	4.7	18
21	Evidence for a Bound H Dibaryon from Lattice QCD. Physical Review Letters, 2011, 106, 162001.	7.8	210
22	Heavy-baryon spectroscopy from lattice QCD. Computer Physics Communications, 2011, 182, 24-26.	7.5	6
23	PRESENT CONSTRAINTS ON THE H-DIBARYON AT THE PHYSICAL POINT FROM LATTICE QCD. Modern Physics Letters A, 2011, 26, 2587-2595.	1.2	61
24	Singly and doubly charmed J^c spectrum from lattice QCD. Physical Review D, 2010, 81, .	4.7	57
25	High statistics analysis using anisotropic clover lattices: III. Baryon-baryon interactions. Physical Review D, 2010, 81, .	4.7	57
26	Lattice test of N_c mass relations. Physical Review D, 2010, 81, .	4.7	57
27	High statistics analysis using anisotropic clover lattices. II. Three-baryon systems. Physical Review D, 2009, 80, .	4.7	69
28	Universality of mixed action extrapolation formulae. Journal of High Energy Physics, 2009, 2009, 090-090.	4.7	41
29	$\pi\pi$ scattering in twisted mass chiral perturbation theory. Physical Review D, 2009, 79, .	4.7	9
30	Mixed action effective field theory: An addendum. Physical Review D, 2009, 79, .	4.7	26
31	High statistics analysis using anisotropic clover lattices: Single hadron correlation functions. Physical Review D, 2009, 79, .	4.7	58
32	Restless pions: Orbifold boundary conditions and noise suppression in lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 369-375.	4.1	4
33	Hyperons in two-flavor chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 669, 246-253.	4.1	37
34	Kaon condensation with lattice QCD. Physical Review D, 2008, 78, .	4.7	70
35	Mixed meson masses with domain-wall valence and staggered sea fermions. Physical Review D, 2008, 77, .	4.7	28
36	K+K scattering length from lattice QCD. Physical Review D, 2008, 77, .	4.7	46

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37	Precise determination of the $\pi\pi$ scattering length from mixed-action lattice QCD. Physical Review D, 2008, 77, .	4.7	89
38	Effective field theory for the anisotropic Wilson lattice action. Physical Review D, 2008, 77, .	4.7	3
39	Two meson systems with Ginsparg-Wilson valence quarks. Physical Review D, 2007, 75, .	4.7	52
40	MESON SYSTEMS WITH GINSPARG-WILSON VALENCE QUARKS. , 2007, , .		0
41	Ginsparg-Wilson pions scattering in a sea of staggered quarks. Physical Review D, 2006, 73, .	4.7	44
42	Finite volume corrections to $\pi\pi$ scattering. Physical Review D, 2006, 73, .	4.7	46
43	Strong isospin breaking of the nucleon and delta masses on the lattice. Nuclear Physics A, 2006, 764, 274-302.	1.5	34
44	Octet baryon masses in partially quenched chiral perturbation theory. Nuclear Physics A, 2005, 747, 476-507.	1.5	56
45	Decuplet baryon masses in partially quenched chiral perturbation theory. Nuclear Physics A, 2005, 748, 513-536.	1.5	40
46	Nucleon and delta masses in twisted mass chiral perturbation theory. Physical Review D, 2005, 72, .	4.7	16