

Lawrence Weinstein

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,365
citations

331670
21
h-index

454955
30
g-index

36
all docs

36
docs citations

36
times ranked

1065
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring recoiling nucleons from the nucleus with the future Electron Ion Collider. Physical Review C, 2022, 105, .	2.9	5
2	Many-body factorization and positionâ€“momentum equivalence of nuclear short-range correlations. Nature Physics, 2021, 17, 306-310.	16.7	46
3	Extracting the number of short-range correlated nucleon pairs from inclusive electron scattering data. Physical Review C, 2021, 103, .	2.9	17
4	Short-range correlations and the nuclear EMC effect in deuterium and helium-3. Physical Review Research, 2021, 3, .	3.6	4
5	12C(e,e'pN) measurements of short range correlations in the tensor-to-scalar interaction transition region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, Probing Few-Body Nuclear Dynamics via $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block">\frac{H}{M}$	4.1	18
6	$\text{mathvariant="normal">3$ and $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block">\frac{3}{M}$	7.8	16
7	Generalized contact formalism analysis of the $^4\text{He}(e,e'\text{pN})$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135429.	4.1	20
8	Neutron Valence Structure from Nuclear Deep Inelastic Scattering. Physical Review Letters, 2020, 124, 092002.	7.8	27
9	Probing the core of the strong nuclear interaction. Nature, 2020, 578, 540-544.	27.8	65
10	Novel observation of isospin structure of short-range correlations in calcium isotopes. Physical Review C, 2020, 102, .	2.9	11
11	Measurement of nuclear transparency ratios for protons and neutrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134792.	4.1	15
12	Direct Observation of Proton-Neutron Short-Range Correlation Dominance in Heavy Nuclei. Physical Review Letters, 2019, 122, 172502.	7.8	80
13	Short range correlations and the isospin dependence of nuclear correlation functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 304-308.	4.1	23
14	Center of Mass Motion of Short-Range Correlated Nucleon Pairs studied via the $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block">\frac{A}{M}$	7.8	42
15	Extracting the mass dependence and quantum numbers of short-range correlated pairs from $A(e,e'\text{p})$ and $A(e,e'\text{pp})$ scattering. Physical Review C, 2015, 92, .	2.9	38
16	Symmetry energy of nucleonic matter with tensor correlations. Physical Review C, 2015, 91, .	2.9	97
17	Momentum sharing in imbalanced Fermi systems. Science, 2014, 346, 614-617.	12.6	233
18	Probing the Repulsive Core of the Nucleon-Nucleon Interaction via the $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block">\frac{He}{M}$	7.8	42

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19	Measurement of transparency ratios for protons from short-range correlated pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 63-68.	4.1	23
20	Measurement of the Neutron F_2 Structure Function via Spectator Tagging with CLAS. Physical Review Letters, 2012, 108, 142001. Publisher's Note: Measurement of the Neutron F_2 Structure Function via Spectator Tagging with CLAS [Phys. Rev. Lett. 108 (2012)]. Physical Review Letters, 2012, 108.	7.8	40
21	New data strengthen the connection between short range correlations and the EMC effect. Physical Review C, 2012, 85, .	2.9	71
23	Short Range Correlations and the EMC Effect. Physical Review Letters, 2011, 106, 052301.	7.8	163
24	Electron- and positron-proton elastic scattering in CLAS. , 2009, , .		4
25	Probing Cold Dense Nuclear Matter. Science, 2008, 320, 1476-1478.	12.6	362
26	BEYOND THE BORN APPROXIMATION: A PRECISE COMPARISON OF POSITRON-PROTON AND ELECTRON-PROTON ELASTIC SCATTERING IN CLAS. , 2008, , . Investigation of Proton-Proton Short-Range Correlations via the σ_{pp} and F_2 Structure Functions in CLAS		0
27	Basic instrumentation for Hall A at Jefferson Lab. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 522, 294-346.	1.6	215
28	NN correlations measured in $^3\text{He}(e, e'pp)n$. European Physical Journal A, 2003, 17, 429-432.	0.4	0
29	Measurement of Two- and Three-Nucleon Short-Range Correlation Probabilities in Nuclei. Physical Review Letters, 2006, 96, 082501.	7.8	225
30	Hadrons in the nuclear medium. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, R1-R45.	3.6	79
31	Observation of nuclear scaling in the $A(e, e' \pi^\pm)$ reaction at $x_B > 1$. Physical Review C, 2003, 68, .	2.9	132
33	NN CORRELATIONS MEASURED IN $^3\text{He}(e, e'pp)n$. , 2003, , .		0
35	The Jefferson Lab Few Body Physics Program. , 2001, , .		0