

Elliot Leader

List of Publications by Year in descending order

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59
papers

2,726
citations

186209
28
h-index

175177
52
g-index

61
all docs

61
docs citations

61
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	The theory and phenomenology of polarized deep inelastic scattering. Physics Reports, 1995, 261, 1-124.	10.3	326
2	The angular momentum controversy: What's it all about and does it matter?. Physics Reports, 2014, 541, 163-248.	10.3	266
3	Polarization phenomena in hadronic reactions. Physics Reports, 1980, 59, 95-297.	10.3	195
4	Theory of low energy nucleon-nucleon scattering - I. Nuovo Cimento, 1960, 17, 68-97.	1.0	141
5	Determination of polarized parton densities from a QCD analysis of inclusive and semi-inclusive deep inelastic scattering data. Physical Review D, 2010, 82, .	1.6	139
6	Spin structure of the nucleon's status and recent results. Progress in Particle and Nuclear Physics, 2009, 63, 1-50.	5.6	125
7	Conspiracy and Evasion: Property of Regge Poles. Physical Review, 1968, 166, 1599-1621.	2.7	97
8	General partonic structure for hadronic spin asymmetries. Physical Review D, 2006, 73, .	1.6	86
9	Fixed-Angle Dispersion Relations for Nucleon Compton Scattering. I. Physical Review, 1962, 126, 789-805.	2.7	77
10	Impact of CLAS and COMPASS data on polarized parton densities and higher twist. Physical Review D, 2007, 75, .	1.6	72
11	Critique of the angular momentum sum rules and a new angular momentum sum rule. Physical Review D, 2004, 70, .	1.6	68
12	Spin-dependent phenomena induced by electromagnetic-hadronic interference at high energies. Physical Review D, 1978, 18, 694-716.	1.6	61
13	NLO QCD ANALYSIS OF POLARIZED DEEP INELASTIC SCATTERING. International Journal of Modern Physics A, 1998, 13, 5573-5592.	0.5	61
14	Fragmentation functions from semi-inclusive DIS pion production and implications for the polarized parton densities. European Physical Journal C, 2001, 22, 269-276.	1.4	59
15	Theory of Low-Energy Nucleon-Nucleon Scattering. IV. Numerical Results for High Partial Waves ($l > 2$). Physical Review, 1963, 130, 750-760.	2.7	55
16	Polarized parton densities in the nucleon. Physical Review D, 1998, 58, .	1.6	50
17	A crisis in the parton model: where, oh where is the proton's spin?. Zeitschrift für Physik C-Particles and Fields, 1988, 41, 239-246.	1.5	44
18	Scheme dependence in polarized deep inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 445, 232-238.	1.5	42

#	ARTICLE	IF	CITATIONS
19	Controversy concerning the definition of quark and gluon angular momentum. Physical Review D, 2011, 83, .	1.6	42
20	Factorization of Helicity Amplitudes at High Energies. Physical Review Letters, 1967, 18, 628-629.	2.9	40
21	ppvsp \hat{A} p: From Intersecting Storage Rings to Superconducting Supercollider. Physical Review Letters, 1985, 54, 2656-2658.	2.9	38
22	Exact sum rule for transversely polarized DIS. Physical Review D, 1997, 55, 4307-4314.	1.6	37
23	Slope Diffraction Scattering and a Remarkable Kinematic Variable. Physical Review Letters, 1971, 27, 1325-1328.	2.9	36
24	New analysis concerning the strange quark polarization puzzle. Physical Review D, 2015, 91, .	1.6	36
25	General Analysis of Nucleon-Nucleon Scattering: Critical Tests for Regge-Pole Theory. Physical Review, 1966, 148, 1491-1501.	2.7	35
26	Role of higher twist in polarized deep inelastic scattering. Physical Review D, 2003, 67, .	1.6	30
27	Possible resolution of the strange quark polarization puzzle?. Physical Review D, 2011, 84, .	1.6	30
28	Consequences of the large real-to-imaginary ratio at \hat{s} =546 GeV. Physical Review Letters, 1987, 59, 1525-1526.	2.9	28
29	Can the polarization of the strange quarks in the proton be positive?. Physical Review D, 2003, 67, .	1.6	28
30	Importance of Lorentz structure in the parton model: Target mass corrections, transverse momentum dependence, positivity bounds. Physical Review D, 2010, 81, .	1.6	26
31	The photon angular momentum controversy: Resolution of a conflict between laser optics and particle physics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 303-308.	1.5	25
32	On the sensitivity of the polarized parton densities to flavour SU(3) symmetry breaking. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 488, 283-288.	1.5	23
33	Comment on "Proton Spin Structure from Measurable Parton Distributions". Physical Review Letters, 2013, 111, 039101.	2.9	23
34	A critical assessment of the angular momentum sum rules. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 120-124.	1.5	22
35	Present Phenomenological Status of the Regge Pole Theory. Reviews of Modern Physics, 1966, 38, 476-482.	16.4	19
36	New relation between transverse angular momentum and generalized parton distributions. Physical Review D, 2012, 85, .	1.6	16

#	ARTICLE	IF	CITATIONS
37	Polarization in $\hat{\rho}^+$ and Asymptotic Theorems. Physical Review Letters, 1984, 52, 1952-1955.	2.9	13
38	A strategy for the analysis of semi-inclusive deep inelastic scattering. Nuclear Physics B, 2001, 607, 369-390.	0.9	13
39	Systematic Approach to the Analysis of NN and NN ² Total Cross Sections. Physical Review, 1964, 134, B1058-B1062.	2.7	12
40	Intersecting Real Regge Trajectories in $\hat{\rho}^+$ and the $\hat{\rho}^2$ Puzzle. Physical Review D, 1973, 7, 836-846.	1.6	12
41	Towards a model independent approach to fragmentation functions. Physical Review D, 2009, 79, .	1.6	12
42	A proposed measurement of optical orbital and spin angular momentum and its implications for photon angular momentum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 385-387.	1.5	11
43	On kaon production in e^+e^- and semi-inclusive DIS reactions. European Physical Journal C, 2007, 51, 825-831.	1.4	10
44	Single spin asymmetries in deep inelastic scattering. Physical Review D, 1997, 56, 6021-6024.	1.6	8
45	Some remarks on methods of QCD analysis of polarized DIS data. Physical Review D, 2009, 80, .	1.6	8
46	Scaling in Hadronic Collisions and the New Kinematic Variables ² . Physical Review D, 1973, 7, 2668-2690.	1.6	7
47	Chou-Yang hypothesis: A critical assessment. Physical Review D, 1976, 14, 755-763.	1.6	7
48	Why has Regge pole theory survived?. Nature, 1978, 271, 213-216.	13.7	7
49	Q^2 dependence of F_2^p in deep inelastic muon scattering. Physical Review D, 1993, 47, R2648-R2651.	1.6	5
50	The angular momentum controversy: What's it all about and does it matter?. Physics of Particles and Nuclei, 2013, 44, 926-929.	0.2	5
51	Tests of the extraction of the Sivers, Boer-Mulders, and transversity distributions in SIDIS reactions. Physical Review D, 2015, 92, .	1.6	5
52	Problem of kinematic mass corrections for unpolarized semi-inclusive deep inelastic scattering. Physical Review D, 2016, 94, .	1.6	5
53	Sensitivity of strange quark polarization to flavor SU(3) symmetry breaking. Physical Review D, 2021, 103, .	1.6	4
54	Consistency tests for the extraction of the Boer-Mulders and Sivers functions. Physical Review D, 2018, 97, .	1.6	3

#	ARTICLE	IF	CITATIONS
55	Role of the subsidiary fields in the momentum and angular momentum in covariantly quantized QED and QCD. Physical Review D, 2022, 105, .	1.6	3
56	The controversial role of strangeness in the spin structure of the nucleon. European Physical Journal A, 2007, 32, 435-437.	1.0	2
57	Reply to "Comment on "Controversy concerning the definition of quark and gluon angular momentum" [PRD, 096012 (2011)]. Physical Review D, 2012, 85, .	1.6	1
58	New study of the Boer-Mulders function: Implications for the quark and hadron transverse momenta. Physical Review D, 2020, 102, .	1.6	0
59	THE TRANSVERSE ANGULAR MOMENTUM SUM RULE. , 2009, , .		0