

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
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61
all docs

61
docs citations

61
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Sensitivity of strange quark polarization to flavor SU(3) symmetry breaking. Physical Review D, 2021, 103, .	1.6	4
3	New study of the Boer-Mulders function: Implications for the quark and hadron transverse momenta. Physical Review D, 2020, 102, .	1.6	0
4	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
5	Consistency tests for the extraction of the Boer-Mulders and Sivers functions. Physical Review D, 2018, 97, .	1.6	3
6	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
7	Problem of kinematic mass corrections for unpolarized semi-inclusive deep inelastic scattering. Physical Review D, 2016, 94, .	1.6	5
8	Tests of the extraction of the Sivers, Boer-Mulders, and transversity distributions in SIDIS reactions. Physical Review D, 2015, 92, .	1.6	5
9	New analysis concerning the strange quark polarization puzzle. Physical Review D, 2015, 91, .	1.6	36
10	The angular momentum controversy: Whatâ€™s it all about and does it matter?. Physics Reports, 2014, 541, 163-248.	10.3	266
11	The angular momentum controversy: Whatâ€™s it all about and does it matter?. Physics of Particles and Nuclei, 2013, 44, 926-929.	0.2	5
12	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
13	Comment on "Proton Spin Structure from Measurable Parton Distributions". Physical Review Letters, 2013, 111, 039101.	2.9	23
14	Reply to "Comment on "Controversy concerning the definition of quark and gluon angular momentum" [PRD83, 096012 (2011)]. Physical Review D, 2012, 85, .	1.6	1
15	New relation between transverse angular momentum and generalized parton distributions. Physical Review D, 2012, 85, .	1.6	16
16	Controversy concerning the definition of quark and gluon angular momentum. Physical Review D, 2011, 83, .	1.6	42
17	Possible resolution of the strange quark polarization puzzle?. Physical Review D, 2011, 84, .	1.6	30
18	Importance of Lorentz structure in the parton model: Target mass corrections, transverse momentum dependence, positivity bounds. Physical Review D, 2010, 81, .	1.6	26

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19	Determination of polarized parton densities from a QCD analysis of inclusive and semi-inclusive deep inelastic scattering data. <i>Physical Review D</i> , 2010, 82, .	1.6	139
20	Spin structure of the nucleonâ€”status and recent results. <i>Progress in Particle and Nuclear Physics</i> , 2009, 63, 1-50.	5.6	125
21	Towards a model independent approach to fragmentation functions. <i>Physical Review D</i> , 2009, 79, .	1.6	12
22	Some remarks on methods of QCD analysis of polarized DIS data. <i>Physical Review D</i> , 2009, 80, .	1.6	8
23	THE TRANSVERSE ANGULAR MOMENTUM SUM RULE. , 2009, , .		0
24	Impact of CLAS and COMPASS data on polarized parton densities and higher twist. <i>Physical Review D</i> , 2007, 75, .	1.6	72
25	The controversial role of strangeness in the spin structure of the nucleonâ€†. <i>European Physical Journal A</i> , 2007, 32, 435-437.	1.0	2
26	On kaon production in e+e- and semi-inclusive DIS reactions. <i>European Physical Journal C</i> , 2007, 51, 825-831.	1.4	10
27	General partonic structure for hadronic spin asymmetries. <i>Physical Review D</i> , 2006, 73, .	1.6	86
28	Critique of the angular momentum sum rules and a new angular momentum sum rule. <i>Physical Review D</i> , 2004, 70, .	1.6	68
29	Role of higher twist in polarized deep inelastic scattering. <i>Physical Review D</i> , 2003, 67, .	1.6	30
30	Can the polarization of the strange quarks in the proton be positive?. <i>Physical Review D</i> , 2003, 67, .	1.6	28
31	A strategy for the analysis of semi-inclusive deep inelastic scattering. <i>Nuclear Physics B</i> , 2001, 607, 369-390.	0.9	13
32	Fragmentation functions from semi-inclusive DIS pion production and implications for the polarized parton densities. <i>European Physical Journal C</i> , 2001, 22, 269-276.	1.4	59
33	On the sensitivity of the polarized parton densities to flavour SU(3) symmetry breaking. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 488, 283-288.	1.5	23
34	Scheme dependence in polarized deep inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 445, 232-238.	1.5	42
35	Polarized parton densities in the nucleon. <i>Physical Review D</i> , 1998, 58, .	1.6	50
36	NLO QCD ANALYSIS OF POLARIZED DEEP INELASTIC SCATTERING. <i>International Journal of Modern Physics A</i> , 1998, 13, 5573-5592.	0.5	61

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37	Single spin asymmetries in deep inelastic scattering. <i>Physical Review D</i> , 1997, 56, 6021-6024.	1.6	8
38	Exact sum rule for transversely polarized DIS. <i>Physical Review D</i> , 1997, 55, 4307-4314.	1.6	37
39	The theory and phenomenology of polarized deep inelastic scattering. <i>Physics Reports</i> , 1995, 261, 1-124.	10.3	326
40	Q ² dependence of F _{2n} F _{2p} in deep inelastic muon scattering. <i>Physical Review D</i> , 1993, 47, R2648-R2651.	1.6	5
41	A crisis in the parton model: where, oh where is the proton's spin?. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1988, 41, 239-246.	1.5	44
42	Consequences of the large real-to-imaginary ratio at $\hat{s} = 546$ GeV. <i>Physical Review Letters</i> , 1987, 59, 1525-1526.	2.9	28
43	ppvs \bar{A}^p : From Intersecting Storage Rings to Superconducting Supercollider. <i>Physical Review Letters</i> , 1985, 54, 2656-2658.	2.9	38
44	Polarization in \hat{e}^+p^+ and Asymptotic Theorems. <i>Physical Review Letters</i> , 1984, 52, 1952-1955.	2.9	13
45	Polarization phenomena in hadronic reactions. <i>Physics Reports</i> , 1980, 59, 95-297.	10.3	195
46	Why has Regge pole theory survived?. <i>Nature</i> , 1978, 271, 213-216.	18.7	7
47	Spin-dependent phenomena induced by electromagnetic-hadronic interference at high energies. <i>Physical Review D</i> , 1978, 18, 694-716.	1.6	61
48	Chou-Yang hypothesis: A critical assessment. <i>Physical Review D</i> , 1976, 14, 755-763.	1.6	7
49	Intersecting Real Regge Trajectories in \hat{e}^+p^+ and the \hat{e}^2 Puzzle. <i>Physical Review D</i> , 1973, 7, 836-846.	1.6	12
50	Scaling in Hadronic Collisions and the New Kinematic Variable ² . <i>Physical Review D</i> , 1973, 7, 2668-2690.	1.6	7
51	Slope Diffraction Scattering and a Remarkable Kinematic Variable. <i>Physical Review Letters</i> , 1971, 27, 1325-1328.	2.9	36
52	Conspiracy and Evasion: Property of Regge Poles. <i>Physical Review</i> , 1968, 166, 1599-1621.	2.7	97
53	Factorization of Helicity Amplitudes at High Energies. <i>Physical Review Letters</i> , 1967, 18, 628-629.	2.9	40
54	General Analysis of Nucleon-Nucleon Scattering: Critical Tests for Regge-Pole Theory. <i>Physical Review</i> , 1966, 148, 1491-1501.	2.7	35

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55	Present Phenomenological Status of the Regge Pole Theory. <i>Reviews of Modern Physics</i> , 1966, 38, 476-482.	16.4	19
56	Systematic Approach to the Analysis of NN and NN̂ Total Cross Sections. <i>Physical Review</i> , 1964, 134, B1058-B1062.	2.7	12
57	Theory of Low-Energy Nucleon-Nucleon Scattering. IV. Numerical Results for High Partial Waves ($l > 2$). <i>Physical Review</i> , 1963, 130, 750-760.	2.7	55
58	Fixed-Angle Dispersion Relations for Nucleon Compton Scattering. I. <i>Physical Review</i> , 1962, 126, 789-805.	2.7	77
59	Theory of low energy nucleon-nucleon scattering - I. <i>Nuovo Cimento</i> , 1960, 17, 68-97.	1.0	141