

# Stanley J Brodsky

## List of Publications by Year in descending order

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258  
papers

22,643  
citations

8732

75  
h-index

8370

147  
g-index

261  
all docs

261  
docs citations

261  
times ranked

5302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exclusive processes in perturbative quantum chromodynamics. <i>Physical Review D</i> , 1980, 22, 2157-2198.	1.6	2,340
2	Scaling Laws at Large Transverse Momentum. <i>Physical Review Letters</i> , 1973, 31, 1153-1156.	2.9	1,272
3	Exclusive processes in quantum chromodynamics: Evolution equations for hadronic wavefunctions and the form factors of mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1979, 87, 359-365.	1.5	940
4	On the elimination of scale ambiguities in perturbative quantum chromodynamics. <i>Physical Review D</i> , 1983, 28, 228-235.	1.6	733
5	Final-state interactions and single-spin asymmetries in semi-inclusive deep inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 530, 99-107.	1.5	593
6	Anomalous magnetic moment and limits on fermion substructure. <i>Physical Review D</i> , 1980, 22, 2236-2243.	1.6	529
7	Scaling laws for large-momentum-transfer processes. <i>Physical Review D</i> , 1975, 11, 1309-1330.	1.6	503
8	Chiral symmetry and the spin of the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 206, 309-315.	1.5	401
9	Exclusive Processes in Quantum Chromodynamics: The Form Factors of Baryons at Large Momentum Transfer. <i>Physical Review Letters</i> , 1979, 43, 545-549.	2.9	375
10	Diffraction leptoproduction of vector mesons in QCD. <i>Physical Review D</i> , 1994, 50, 3134-3144.	1.6	374
11	Large transverse momentum processes. <i>Physics Reports</i> , 1976, 23, 1-121.	10.3	370
12	Light-front dynamics and AdS/QCD correspondence: The pion form factor in the space- and time-like regions. <i>Physical Review D</i> , 2008, 77, .	1.6	365
13	Hadronic Spectra and Light-Front Wave Functions in Holographic QCD. <i>Physical Review Letters</i> , 2006, 96, 201601.	2.9	362
14	Light-front holographic QCD and emerging confinement. <i>Physics Reports</i> , 2015, 584, 1-105.	10.3	362
15	Hadronic Spectrum of a Holographic Dual of QCD. <i>Physical Review Letters</i> , 2005, 94, 201601.	2.9	355
16	Helicity selection rules and tests of gluon spin in exclusive quantum-chromodynamic processes. <i>Physical Review D</i> , 1981, 24, 2848-2855.	1.6	313
17	Solving field theory in one space and one time dimension. <i>Physical Review D</i> , 1985, 32, 1993-2000.	1.6	294
18	Using nuclei to probe hadronization in QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 206, 685-690.	1.5	280

#	ARTICLE	IF	CITATIONS
19	Light-cone representation of the spin and orbital angular momentum of relativistic composite systems. Nuclear Physics B, 2001, 593, 311-335.	0.9	275
20	Initial-state interactions and single-spin asymmetries in Drell-Yan processes. Nuclear Physics B, 2002, 642, 344-356.	0.9	272
21	Light-Front Holography: A First Approximation to QCD. Physical Review Letters, 2009, 102, 081601.	2.9	257
22	QCD constraints on the shape of polarized quark and gluon distributions. Nuclear Physics B, 1995, 441, 197-214.	0.9	248
23	Discretized light-cone quantization: Solution to a field theory in one space and one time dimension. Physical Review D, 1985, 32, 2001-2013.	1.6	247
24	The electromagnetic interactions of composite systems. Annals of Physics, 1969, 52, 315-365.	1.0	227
25	Quark Structure Functions of Mesons and the Drell-Yan Process. Physical Review Letters, 1979, 42, 940-944.	2.9	218
26	Light-cone wavefunction representation of deeply virtual Compton scattering. Nuclear Physics B, 2001, 596, 99-124.	0.9	210
27	The QCD running coupling. Progress in Particle and Nuclear Physics, 2016, 90, 1-74.	5.6	200
28	The quark-antiquark asymmetry of the nucleon sea. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 381, 317-324.	1.5	198
29	Light-front hadron dynamics and AdS/CFT correspondence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 582, 211-221.	1.5	188
30	Nuclear-bound quarkonium. Physical Review Letters, 1990, 64, 1011-1014.	2.9	177
31	Commensurate scale relations in quantum chromodynamics. Physical Review D, 1995, 51, 3652-3668.	1.6	166
32	Initial-State Interactions and the Drell-Yan Process. Physical Review Letters, 1981, 47, 1799-1803.	2.9	159
33	Systematic All-Orders Method to Eliminate Renormalization-Scale and Scheme Ambiguities in Perturbative QCD. Physical Review Letters, 2013, 110, 192001.	2.9	155
34	Exclusive Processes in Quantum Chromodynamics: The Form Factors of Baryons at Large Momentum Transfer. Physical Review Letters, 1979, 43, 1625-1625.	2.9	154
35	Spin Correlations, QCD Color Transparency, and Heavy-Quark Thresholds in Proton-Proton Scattering. Physical Review Letters, 1988, 60, 1924-1927.	2.9	152
36	Nonperturbative QCD coupling and its function from light-front holography. Physical Review D, 2010, 81, .	1.6	150

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37	Light-cone-quantized QCD in 1+1 dimensions. Physical Review D, 1990, 41, 3814-3821.	1.6	149
38	Two-photon exchange contribution to elastic electron-nucleon scattering at large momentum transfer. Physical Review D, 2005, 72, .	1.6	147
39	Perturbative QCD effects in heavy meson decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 243, 287-292.	1.5	145
40	Dynamical Picture for the Formation and Decay of the Exotic $X$ Mesons. Physical Review Letters, 2014, 113, 112001.	2.9	141
41	Quantum Electrodynamics and Renormalization Theory in the Infinite-Momentum Frame. Physical Review D, 1973, 8, 4574-4594.	1.6	133
42	Initial-state interactions in the unpolarized Drell-Yan process. Physical Review D, 2003, 67, .	1.6	132
43	Light-front dynamics and AdS/QCD correspondence: Gravitational form factors of composite hadrons. Physical Review D, 2008, 78, .	1.6	131
44	Shadowing and antishadowing of nuclear structure functions. Physical Review Letters, 1990, 64, 1342-1345.	2.9	126
45	Structure functions are not parton probabilities. Physical Review D, 2002, 65, .	1.6	126
46	Asymptotic form factors of hadrons and nuclei and the continuity of particle and nuclear dynamics. Physical Review D, 1976, 14, 3003-3020.	1.6	124
47	Systematic scale-setting to all orders: The principle of maximum conformality and commensurate scale relations. Physical Review D, 2014, 89, .	1.6	123
48	Photon-Nucleus Total Cross Sections. Physical Review, 1969, 182, 1794-1804.	2.7	121
49	New QCD production mechanisms for hard processes at large x. Nuclear Physics B, 1992, 369, 519-542.	0.9	119
50	Eliminating the Renormalization Scale Ambiguity for Top-Pair Production Using the Principle of Maximum Conformality. Physical Review Letters, 2012, 109, 042002.	2.9	118
51	Quantum Chromodynamic Predictions for the Deuteron Form Factor. Physical Review Letters, 1983, 51, 83-86.	2.9	115
52	Scale setting using the extended renormalization group and the principle of maximum conformality: The QCD coupling constant at four loops. Physical Review D, 2012, 85, .	1.6	114
53	The renormalization scale-setting problem in QCD. Progress in Particle and Nuclear Physics, 2013, 72, 44-98.	5.6	113
54	Meson transition form factors in light-front holographic QCD. Physical Review D, 2011, 84, .	1.6	112

#	ARTICLE	IF	CITATIONS
55	New perspectives on the quark condensate. Physical Review C, 2010, 82, .	1.1	111
56	Maximum wavelength of confined quarks and gluons and properties of quantum chromodynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 95-99.	1.5	105
57	Confinement contains condensates. Physical Review C, 2012, 85, .	1.1	105
58	Evolved QCD predictions for the meson-photon transition form factors. Physical Review D, 2011, 84, .	1.6	103
59	Condensates in quantum chromodynamics and the cosmological constant. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 45-50.	3.3	102
60	Universality of Generalized Parton Distributions in Light-Front Holographic QCD. Physical Review Letters, 2018, 120, 182001.	2.9	102
61	Direct Probes of Linearly Polarized Gluons inside Unpolarized Hadrons. Physical Review Letters, 2011, 106, 132001.	2.9	99
62	Photon-Photon Scattering Contribution to the Sixth-Order Magnetic Moment of the Muon. Physical Review Letters, 1969, 23, 441-443.	2.9	97
63	Deuteron Form Factor and the Short-Distance Behavior of the Nuclear Force. Physical Review Letters, 1976, 37, 269-272.	2.9	96
64	Production of the Smallest QED Atom: True Muonium ( $\mu\mu e$ ). Physical Review Letters, 2009, 102, 213401.	2.9	96
65	Setting the renormalization scale in QCD: The principle of maximum conformality. Physical Review D, 2012, 86, .	1.6	95
66	Phenomenology of Photon Processes, Vector Dominance, and Crucial Tests for Parton Models. Physical Review D, 1972, 6, 177-189.	1.6	91
67	Novel six-quark hidden-color dibaryon states in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 438-442.	1.5	88
68	Compton Scattering and Fixed Poles in Parton Field-Theoretic Models. Physical Review D, 1972, 5, 1384-1388.	1.6	87
69	Wavefunction-independent relations between the nucleon axial-coupling $g_A$ and the nucleon magnetic moments. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 329, 111-116.	1.5	85
70	Baryon spectrum from superconformal quantum mechanics and its light-front holographic embedding. Physical Review D, 2015, 91, .	1.6	84
71	Exact light-cone wavefunction representation of matrix elements of electroweak currents. Nuclear Physics B, 1999, 543, 239-252.	0.9	83
72	Threefold complementary approach to holographic QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 3-8.	1.5	82

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73	Optimal renormalization scale and scheme for exclusive processes. Physical Review D, 1998, 57, 245-252.	1.6	78
74	Nuclear antishadowing in neutrino deep inelastic scattering. Physical Review D, 2004, 70, .	1.6	78
75	Linear polarization of gluons and photons in unpolarized collider experiments. Journal of High Energy Physics, 2013, 2013, 1.	1.6	76
76	Superconformal baryon-meson symmetry and light-front holographic QCD. Physical Review D, 2015, 91, .	1.6	75
77	Kinematical and dynamical aspects of higher-spin bound-state equations in holographic QCD. Physical Review D, 2013, 87, .	1.6	73
78	Heavy-quarkonium production in high energy proton-proton collisions at RHIC. Physical Review D, 2010, 81, .	1.6	71
79	Behavior of the effective QCD coupling $\hat{\alpha}_s(s)$ at low scales. Physical Review D, 2003, 67, .	1.6	69
80	Effective confining potentials for QCD. Physical Review D, 2014, 90, .	1.6	69
81	Renormalization group invariance and optimal QCD renormalization scale-setting: a key issues review. Reports on Progress in Physics, 2015, 78, 126201.	8.1	67
82	The spin structure of the nucleon. Reports on Progress in Physics, 2019, 82, 076201.	8.1	67
83	Self-consistency requirements of the renormalization group for setting the renormalization scale. Physical Review D, 2012, 86, .	1.6	65
84	Is scattering dominated by the gluonic van der Waals interaction?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 412, 125-130.	1.5	60
85	Application of the principle of maximum conformality to the top-quark forward-backward asymmetry at the Tevatron. Physical Review D, 2012, 85, .	1.6	60
86	Universal effective hadron dynamics from superconformal algebra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 171-177.	1.5	56
87	Light-Front Holography and Gauge/Gravity Duality: The Light Meson and Baryon Spectra. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 89-96.	0.5	55
88	Gauge-Invariant Scaling Model of Current Interactions with Regge Behavior and Finite Fixed-Pole Sum Rules. Physical Review D, 1973, 8, 3678-3700.	1.6	53
89	Light-front-quantized QCD in the light-cone gauge: The doubly transverse gauge propagator. Physical Review D, 2001, 64, .	1.6	53
90	Single-spin polarization effects and the determination of timelike proton form factors. Physical Review D, 2004, 69, .	1.6	53

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91	Covariant structure of light-front wave functions and the behavior of hadronic form factors. Physical Review D, 2004, 69, .	1.6	53
92	Form factors of the gauge-invariant three-gluon vertex. Physical Review D, 2006, 74, .	1.6	53
93	Supersymmetry across the light and heavy-light hadronic spectrum. Physical Review D, 2015, 92, .	1.6	52
94	Aspects of SU(Nc) gauge theories in the limit of small number of colors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 417, 145-153.	1.5	51
95	Analysis of nucleon electromagnetic form factors from light-front holographic QCD: The spacelike region. Physical Review D, 2017, 95, .	1.6	51
96	Higher-Twist Dynamics in Large Transverse Momentum Hadron Production. Physical Review Letters, 2010, 105, 062002.	2.9	50
97	Padé approximants, optimal renormalization scales, and momentum flow in Feynman diagrams. Physical Review D, 1997, 56, 6980-6992.	1.6	48
98	Diffraction Higgs production from intrinsic heavy flavors in the proton. Physical Review D, 2006, 73, .	1.6	48
99	Hunting for Glueballs in Electron-Positron Annihilation. Physical Review Letters, 2003, 91, 112001.	2.9	47
100	Effect of Orbital Angular Momentum on Valence-Quark Helicity Distributions. Physical Review Letters, 2007, 99, 082001.	2.9	47
101	Application of the principle of maximum conformality to top-pair production. Physical Review D, 2012, 86, .	1.6	47
102	Connecting the hadron mass scale to the fundamental mass scale of quantum chromodynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 528-532.	1.5	47
103	Electromagnetic Interactions of Loosely-Bound Composite Systems. Physical Review, 1968, 174, 2071-2073.	2.7	46
104	Possible multiparticle ridge-like correlations in very high multiplicity proton-proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 344-346.	1.5	46
105	Electron g-2 in Light-front Quantization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 737, 65-69.	1.5	46
106	Evidence for the absence of gluon orbital angular momentum in the nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 643, 22-28.	1.5	45
107	Isospin splittings of doubly heavy baryons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 251-255.	1.5	45
108	Electron in a Transverse Harmonic Cavity. Physical Review Letters, 2011, 106, 061603.	2.9	44

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109	QCD dynamics of tetraquark production. <i>Physical Review D</i> , 2015, 91, .	1.6	44
110	The QCD renormalization group equation and the elimination of fixed-order scheme-and-scale ambiguities using the principle of maximum conformality. <i>Progress in Particle and Nuclear Physics</i> , 2019, 108, 103706.	5.6	44
111	Pauli-Villars regulator as a nonperturbative ultraviolet regularization scheme in discretized light-cone quantization. <i>Physical Review D</i> , 1998, 58, .	1.6	43
112	Light-front formulation of the standard model. <i>Physical Review D</i> , 2002, 66, .	1.6	42
113	Time-Like Momenta in Quantum Electrodynamics. <i>Physical Review</i> , 1966, 145, 1018-1022.	2.7	41
114	Effects of initial-state QCD interactions in the Drell-Yan process. <i>Physical Review D</i> , 1989, 39, 3287-3296.	1.6	41
115	Production of relativistic antihydrogen atoms by pair production with positron capture. <i>Physical Review D</i> , 1994, 49, 3228-3235.	1.6	40
116	The baryon anomaly: Evidence for color transparency and direct hadron production at RHIC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 668, 111-115.	1.5	40
117	Factorization property of the deuteron. <i>Physical Review D</i> , 1986, 33, 2653-2659.	1.6	37
118	Local two-photon couplings and the $\langle \text{mi} \rangle \langle \text{mo} \rangle = 0$ fixed pole in real and virtual Compton scattering. <i>Physical Review D</i> , 2009, 79, .	1.6	37
119	On the interface between perturbative and nonperturbative QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 757, 275-281.	1.5	37
120	Phases of augmented hadronic light-front wave functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 687, 327-330.	1.5	36
121	Analytic extension of the modified minimal subtraction renormalization scheme. <i>Physical Review D</i> , 1998, 58, .	1.6	35
122	Relating physical observables in QCD using the extended renormalization group method. <i>Physical Review D</i> , 1993, 48, 3310-3318.	1.6	34
123	Novel all-orders single-scale approach to QCD renormalization scale-setting. <i>Physical Review D</i> , 2017, 95, .	1.6	34
124	Single transverse-spin asymmetries at largex. <i>Physical Review D</i> , 2006, 74, .	1.6	33
125	Excited baryons in holographic QCD. <i>AIP Conference Proceedings</i> , 2012, , .	0.3	33
126	Puzzles in Hadronic Physics and Novel Quantum Chromodynamics Phenomenology. <i>Annual Review of Nuclear and Particle Science</i> , 2012, 62, 1-35.	3.5	33



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127	Supersymmetry across the light and heavy-light hadronic spectrum. II.. Physical Review D, 2017, 95, .	1.6	33
128	Hard diffraction from parton rescattering in QCD. Physical Review D, 2005, 71, .	1.6	32
129	Higgs hadroproduction at large Feynman x. Nuclear Physics B, 2009, 807, 334-347.	0.9	31
130	Gauge-Gravity Duality and Hadron Physics at the Light-Front. AIP Conference Proceedings, 2010, , .	0.3	31
131	Comment on "New Limits on Intrinsic Charm in the Nucleon from Global Analysis of Parton Distributions". Physical Review Letters, 2016, 116, 019101.	2.9	31
132	Asymmetric quark/anti-quark hadronization in $e^+e^-$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 392, 452-456.	1.5	30
133	Meson/baryon/tetraquark supersymmetry from superconformal algebra and light-front holography. International Journal of Modern Physics A, 2016, 31, 1630029.	0.5	30
134	Application of Pauli-Villars regularization and discretized light-cone quantization to a $(3+1)$ -dimensional model. Physical Review D, 1999, 60, .	1.6	28
135	Single-spin asymmetries in semi-inclusive deep inelastic scattering and Drell-Yan processes. Physical Review D, 2013, 88, .	1.6	27
136	Degeneracy relations in QCD and the equivalence of two systematic all-orders methods for setting the renormalization scale. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 13-18.	1.5	27
137	Discrete symmetries on the light front and a general relation connecting the nucleon electric dipole and anomalous magnetic moments. Physical Review D, 2006, 73, .	1.6	26
138	Hadronic superpartners from a superconformal and supersymmetric algebra. Physical Review D, 2018, 97, .	1.6	25
139	Constraints on charm-anticharm asymmetry in the nucleon from lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135633.	1.5	25
140	Application of Pauli-Villars regularization and discretized light-cone quantization to a single-fermion truncation of Yukawa theory. Physical Review D, 2001, 64, .	1.6	24
141	Single hadronic-spin asymmetries in weak interaction processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 553, 223-228.	1.5	24
142	Unified Description of Polarized and Unpolarized Quark Distributions in the Proton. Physical Review Letters, 2020, 124, 082003.	2.9	24
143	Hadron spectroscopy and structure from AdS/CFT. European Physical Journal A, 2007, 31, 638-644.	1.0	23
144	Novel demonstration of the renormalization group invariance of the fixed-order predictions using the principle of maximum conformality and the $\alpha_s$ coupling. Physical Review D, 2018, 97, .	1.6	23

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145	Physical renormalization schemes and grand unification. <i>Physical Review D</i> , 2004, 69, .	1.6	22
146	IceCube can constrain the intrinsic charm of the proton. <i>Physical Review D</i> , 2017, 96, .	1.6	22
147	Light-front-quantized QCD in a covariant gauge. <i>Physical Review D</i> , 1999, 61, .	1.6	21
148	The mass renormalization of nonperturbative light-front Hamiltonian theory: an illustration using truncated, Pauli–Villars-regulated Yukawa interactions. <i>Annals of Physics</i> , 2003, 305, 266-285.	1.0	21
149	Application of the principle of maximum conformality to the top-quark charge asymmetry at the LHC. <i>Physical Review D</i> , 2014, 90, .	1.6	21
150	Supersymmetry in the double-heavy hadronic spectrum. <i>Physical Review D</i> , 2018, 98, .	1.6	21
151	Frame-independent spatial coordinate $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle z \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle  f \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:math} \rangle$ : Implications for light-front wave functions, deep inelastic scattering, light-front holography, and lattice QCD calculations. <i>Physical Review C</i> , 2020, 102, .	1.1	21
152	Implications of the principle of maximum conformality for the QCD strong coupling. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 98-104.	1.5	20
153	Nonperturbative strange-quark sea from lattice QCD, light-front holography, and meson-baryon fluctuation models. <i>Physical Review D</i> , 2018, 98, .	1.6	20
154	Statistical physics and light-front quantization. <i>Physical Review D</i> , 2004, 70, .	1.6	19
155	AdS/CFT and Light-Front QCD. , 2009, , .		19
156	Extending the predictive power of perturbative QCD. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	19
157	Two-loop scale dependence of the static QCD potential including quark masses. <i>Physical Review D</i> , 1999, 60, .	1.6	18
158	Exact Solutions to Pauli–Villars-Regulated Field Theories. <i>Annals of Physics</i> , 2002, 296, 406-424.	1.0	18
159	Two-boson truncation of Pauli–Villars-regulated Yukawa theory. <i>Annals of Physics</i> , 2006, 321, 1240-1264.	1.0	17
160	Light-Front Holography and Hadronization at the Amplitude Level. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	17
161	Dynamic versus Static Hadronic Structure Functions. <i>Nuclear Physics A</i> , 2009, 827, 327c-332c.	0.6	17
162	The Light-Front Schrödinger Equation and the Determination of the Perturbative QCD Scale from Color Confinement: A First Approximation to QCD. <i>Few-Body Systems</i> , 2015, 56, 621-632.	0.7	17

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163	Light-Front Quantization Approach to the Gauge-Gravity Correspondence and Hadron Spectroscopy. , 2010, , .		16
164	Reanalysis of the higher order perturbative QCD corrections to hadronicZdecays using the principle of maximum conformality. Physical Review D, 2014, 90, .	1.6	16
165	Importance of proper renormalization scale-setting for QCD testing at colliders. Frontiers of Physics, 2016, 11, 1.	2.4	16
166	Determination of $\overline{\Lambda_{\overline{MS}}}$ at five loops from holographic QCD. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 105005.	1.4	16
167	Light-front holographic distribution amplitudes of pseudoscalar mesons and their application to Exclusive production of meson decays. Physical Review D, 2017, 95, .	1.6	16
168	Exclusive production of meson decays at the factories Belle and BABAR using the principle of maximum conformality. Physical Review D, 2018, 98, .	1.6	16
169	Bound-valence-quark contributions to hadron structure functions. Physical Review D, 1991, 43, 179-184.	1.6	15
170	Angular momentum conservation law in light-front quantum field theory. Physical Review D, 2017, 95, .	1.6	15
171	New Results in Light-Front Phenomenology. Few-Body Systems, 2005, 36, 35-52.	0.7	14
172	Renormalization scale-fixing for complex scattering amplitudes. European Physical Journal C, 2006, 46, 751-758.	1.4	14
173	Setting the renormalization scale in perturbative QCD: Comparisons of the principle of maximum conformality with the sequential extended Brodsky-Lepage-Mackenzie approach. Physical Review D, 2015, 91, .	1.6	14
174	QCD compositeness as revealed in exclusive vector boson reactions through double-photon annihilation: $e^+e^- \rightarrow \gamma^* \gamma^* \rightarrow V^0$ and $e^+e^- \rightarrow \gamma^* \gamma^* \rightarrow V^0 V^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 174-179.		14
175	Comparing light-front quantization with instant-time quantization. Physics Reports, 2021, 891, 1-65.	10.3	14
176	Commensurate scale relations in quantum chromodynamics. Nuclear Physics, Section B, Proceedings Supplements, 1995, 39, 309-311.	0.5	13
177	Dynamic versus Static Structure Functions and Novel Diffractive Effects in QCD. , 2009, , .		13
178	Infinite-order scale-setting using the principle of maximum conformality: A remarkably efficient method for eliminating renormalization scale ambiguities for perturbative QCD. Physical Review D, 2020, 102, .	1.6	13
179	Longitudinal dynamics and chiral symmetry breaking in holographic light-front QCD. Physical Review D, 2021, 104, .	1.6	13
180	Predictions for the top-quark forward-backward asymmetry at high invariant pair mass using the principle of maximum conformality. Physical Review D, 2016, 93, .	1.6	12

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181	The generalized scheme-independent Crewther relation in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 494-499.	1.5	12
182	Gluon virtuality and heavy sea-quark contributions to the spin-dependent $g_1$ structure function. Physical Review D, 1999, 60, .	1.6	11
183	The Heisenberg Matrix Formulation of Quantum Field Theory. Fortschritte Der Physik, 2002, 50, 503-511.	1.5	11
184	Physics Opportunities at a Photon-Photon Collider. International Journal of Modern Physics A, 2003, 18, 2871-2892.	0.5	11
185	Light-front holography and superconformal quantum mechanics: A new approach to hadron structure and color confinement. International Journal of Modern Physics Conference Series, 2015, 39, 1560081.	0.7	11
186	Novel QCD physics at NICA. European Physical Journal A, 2016, 52, 1.	1.0	11
187	Pre-Town Meeting on spin physics at an Electron-Ion Collider. European Physical Journal A, 2017, 53, 1.	1.0	11
188	Novel method for the precise determination of the QCD running coupling from event shape distributions in electron-positron annihilation. Physical Review D, 2019, 100, .	1.6	11
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