

Guy F De Tramond

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

76
papers

3,675
citations

29
h-index

60
g-index

84
ext. papers

4,136
ext. citations

4.4
avg, IF

5.79
L-index

#	Paper	IF	Citations
76	Hadronic spectra and light-front wave functions in holographic QCD. <i>Physical Review Letters</i> , 2006 , 96, 201601	7.4	306
75	Hadronic spectrum of a holographic dual of QCD. <i>Physical Review Letters</i> , 2005 , 94, 201601	7.4	304
74	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,	4.9	297
73	Light-front holographic QCD and emerging confinement. <i>Physics Reports</i> , 2015 , 584, 1-105	27.7	259
72	Light-front holography: a first approximation to QCD. <i>Physical Review Letters</i> , 2009 , 102, 081601	7.4	214
71	STUDIES OF NUCLEON RESONANCE STRUCTURE IN EXCLUSIVE MESON ELECTROPRODUCTION. <i>International Journal of Modern Physics E</i> , 2013 , 22, 1330015	0.7	169
70	Light-front hadron dynamics and AdS/CFT correspondence. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 582, 211-221	4.2	168
69	Nuclear-bound quarkonium. <i>Physical Review Letters</i> , 1990 , 64, 1011-1014	7.4	157
68	Spin correlations, QCD color transparency, and heavy-quark thresholds in proton-proton scattering. <i>Physical Review Letters</i> , 1988 , 60, 1924-1927	7.4	140
67	The QCD running coupling. <i>Progress in Particle and Nuclear Physics</i> , 2016 , 90, 1-74	10.6	134
66	Nonperturbative QCD coupling and its Γ function from light-front holography. <i>Physical Review D</i> , 2010 , 81,	4.9	130
65	Light-front dynamics and AdS/QCD correspondence: Gravitational form factors of composite hadrons. <i>Physical Review D</i> , 2008 , 78,	4.9	107
64	Meson transition form factors in light-front holographic QCD. <i>Physical Review D</i> , 2011 , 84,	4.9	98
63	Evolved QCD predictions for the meson-photon transition form factors. <i>Physical Review D</i> , 2011 , 84,	4.9	93
62	Baryon spectrum from superconformal quantum mechanics and its light-front holographic embedding. <i>Physical Review D</i> , 2015 , 91,	4.9	72
61	Threefold complementary approach to holographic QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 729, 3-8	4.2	68
60	Kinematical and dynamical aspects of higher-spin bound-state equations in holographic QCD. <i>Physical Review D</i> , 2013 , 87,	4.9	63

59	Superconformal baryon-meson symmetry and light-front holographic QCD. <i>Physical Review D</i> , 2015 , 91,	4.9	63
58	Universality of Generalized Parton Distributions in Light-Front Holographic QCD. <i>Physical Review Letters</i> , 2018 , 120, 182001	7.4	61
57	Effective confining potentials for QCD. <i>Physical Review D</i> , 2014 , 90,	4.9	57
56	Light-Front Holography and Gauge/Gravity Duality: The Light Meson and Baryon Spectra. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2010 , 199, 89-96		47
55	nn Scattering parameters ann and rnn from the photon spectrum of the reaction $\pi^- \pi^0 n$. <i>Nuclear Physics A</i> , 1984 , 420, 496-524	1.3	47
54	Universal effective hadron dynamics from superconformal algebra. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 171-177	4.2	47
53	Supersymmetry across the light and heavy-light hadronic spectrum. <i>Physical Review D</i> , 2015 , 92,	4.9	43
52	Analysis of nucleon electromagnetic form factors from light-front holographic QCD: The spacelike region. <i>Physical Review D</i> , 2017 , 95,	4.9	40
51	The spin structure of the nucleon. <i>Reports on Progress in Physics</i> , 2019 , 82, 076201	14.4	38
50	Charge asymmetry of the nuclear interaction and neutron-neutron scattering parameters. <i>Physical Review C</i> , 1987 , 36, 691-701	2.7	38
49	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	4.2	30
48	Gauge/Gravity Duality and Hadron Physics at the Light-Front 2010 ,		30
47	Supersymmetry across the light and heavy-light hadronic spectrum. II.. <i>Physical Review D</i> , 2017 , 95,	4.9	28
46	Excited baryons in holographic QCD 2012 ,		28
45	Proton-proton spin correlations at charm threshold and quarkonium bound to nuclei. <i>Physical Review D</i> , 1998 , 58,	4.9	24
44	Meson/baryon/tetraquark supersymmetry from superconformal algebra and light-front holography. <i>International Journal of Modern Physics A</i> , 2016 , 31, 1630029	1.2	24
43	Nonperturbative strange-quark sea from lattice QCD, light-front holography, and meson-baryon fluctuation models. <i>Physical Review D</i> , 2018 , 98,	4.9	16
42	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	1.6	15

41	Light-Front Holography and Hadronization at the Amplitude Level. <i>AIP Conference Proceedings</i> , 2008 ,	0	15
40	Light-Front Quantization Approach to the Gauge-Gravity Correspondence and Hadron Spectroscopy 2010 ,		14
39	Strong QCD from Hadron Structure Experiments. <i>International Journal of Modern Physics E</i> , 2020 , 29, 2030006	0.7	14
38	Supersymmetry in the double-heavy hadronic spectrum. <i>Physical Review D</i> , 2018 , 98,	4.9	14
37	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	4.2	13
36	Determination of $\overline{\Lambda_{\overline{MS}}}$ at five loops from holographic QCD. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017 , 44, 105005	2.9	13
35	AdS/CFT and Light-Front QCD 2009 ,		11
34	Final-state interactions and neutron-neutron scattering parameters. <i>Physical Review C</i> , 1977 , 16, 1976-1983		11
33	Unified Description of Polarized and Unpolarized Quark Distributions in the Proton. <i>Physical Review Letters</i> , 2020 , 124, 082003	7.4	10
32	AdS/QCD and light front holography: A new approximation to QCD. <i>Chinese Physics C</i> , 2010 , 34, 1229-1235		9
31	Perturbative Contributions to Quark Masses. <i>Physical Review Letters</i> , 1980 , 44, 557-560	7.4	9
30	Superconformal Algebraic Approach to Hadron Structure. <i>EPJ Web of Conferences</i> , 2017 , 137, 03023	0.3	8
29	Constraints on charm-anticharm asymmetry in the nucleon from lattice QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 808, 135633	4.2	8
28	Off-shell rescattering effects in the reaction $\bar{d}n \rightarrow \bar{p}n$ <i>Physical Review C</i> , 1980 , 21, 2542-2546	2.7	7
27	Hadron spectroscopy and dynamics from light-front holography and conformal symmetry. <i>EPJ Web of Conferences</i> , 2014 , 73, 01014	0.3	5
26	Light-Front Quantization and AdS/QCD: An overview. <i>Journal of Physics: Conference Series</i> , 2011 , 287, 012007	0.3	5
25	Hadron Spectroscopy and Wavefunctions in QCD and the AdS/CFT Correspondence. <i>AIP Conference Proceedings</i> , 2006 ,	0	5
24	Isoscalar mesons and exotic states in light front holographic QCD. <i>Physical Review D</i> , 2019 , 99,	4.9	4

23	Hadron Physics from Superconformal Quantum Mechanics and Its Light-Front Holographic Embedding. <i>Few-Body Systems</i> , 2016 , 57, 411-416	1.6	4
22	Light-Front Holography, Light-Front Wavefunctions, and Novel QCD Phenomena. <i>Few-Body Systems</i> , 2012 , 52, 203-222	1.6	4
21	Applications of AdS/CFT Duality to QCD. <i>International Journal of Modern Physics A</i> , 2006 , 21, 762-768	1.2	4
20	The Spectroscopy and Form Factors of Nucleon Resonances from Superconformal Quantum Mechanics and Holographic QCD. <i>Few-Body Systems</i> , 2016 , 57, 925-932	1.6	3
19	Light-front holographic QCD and color confinement. <i>International Journal of Modern Physics A</i> , 2014 , 29, 1444013	1.2	3
18	QCD on the Light-Front. <i>Few-Body Systems</i> , 2013 , 55, 407	1.6	3
17	AdS/QCD and Applications of Light-Front Holography. <i>Communications in Theoretical Physics</i> , 2012 , 57, 641-664	2.4	3
16	Construction of grand unified models under maximal subalgebras. <i>Annals of Physics</i> , 1984 , 155, 358-383	2.5	3
15	A six parameter calculation of the 11S state of helium. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1973 , 46, 297-298	2.3	3
14	AdS/QCD, LIGHT-FRONT HOLOGRAPHY, AND THE NONPERTURBATIVE RUNNING COUPLING. <i>International Journal of Modern Physics A</i> , 2010 , 25, 5009-5024	1.2	2
13	Light-Front Holography and Novel Effects in QCD 2009 ,		2
12	Light-Front Holography, AdS/QCD, and Hadronic Phenomena. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2010 , 199, 5-15		2
11	QCD hidden-color hexadiquark in the core of nuclei. <i>Nuclear Physics A</i> , 2021 , 1007, 122134	1.3	2
10	Gluon matter distribution in the proton and pion from extended holographic light-front QCD. <i>Physical Review D</i> , 2021 , 104,	4.9	2
9	Light-Front Holographic QCD and the Confinement Potential. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2014 , 251-252, 1-9		1
8	Possible origin of fermion chirality and GUT structure from extra dimensions. <i>Physical Review D</i> , 1999 , 60,	4.9	1
7	Isospin as a spontaneously broken symmetry of the electroweak interactions. <i>Physical Review D</i> , 1986 , 33, 836-843	4.9	1
6	Are there higher topological obstructions relevant to unified theories?. <i>Physical Review D</i> , 1985 , 31, 1516-1518	4.5	1

- 5 Diffractive dissociation of alpha particles as a test of isophobic short-range correlations inside nuclei. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2020**, 805, 135423^{4.2} ○
- 4 Onset of Color Transparency in Holographic Light-Front QCD **2022**, 4, 633-646 2.1 ○
- 3 Advances in light-front quantization and new perspectives for QCD from AdS/CFT. *Nuclear Physics, Section B, Proceedings Supplements*, **2006**, 161, 34-43
- 2 Radiative contributions to quark and lepton masses in grand unified theories. *Physical Review D*, **1982**, 26, 3701-3712 4.9
- 1 Hadron Physics from Superconformal Quantum Mechanics and Its Light-Front Holographic Embedding **2017**, 41-46