

# Guy F De TÃ©ramond

## List of Publications by Year in descending order

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84  
papers

4,561  
citations

147786

31  
h-index

98792

67  
g-index

84  
all docs

84  
docs citations

84  
times ranked

1315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a single scale-dependent Pomeron in holographic light-front QCD. Physical Review D, 2022, 105, .	4.7	7
2	Onset of Color Transparency in Holographic Light-Front QCD. Physics, 2022, 4, 633-646.	1.4	4
3	QCD hidden-color hexadiquark in the core of nuclei. Nuclear Physics A, 2021, 1007, 122134.	1.5	7
4	Gluon matter distribution in the proton and pion from extended holographic light-front QCD. Physical Review D, 2021, 104, .	4.7	10
5	Longitudinal dynamics and chiral symmetry breaking in holographic light-front QCD. Physical Review D, 2021, 104, .	4.7	13
6	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.	4.1	25
7	Strong QCD from Hadron Structure Experiments. International Journal of Modern Physics E, 2020, 29, 2030006.	1.0	45
8	Diffraction 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.	4.1	2
9	Unified Description of Polarized and Unpolarized Quark Distributions in the Proton. Physical Review Letters, 2020, 124, 082003.	7.8	24
10	Isoscalar mesons and exotic states in light front holographic QCD. Physical Review D, 2019, 99, .	4.7	7
11	The spin structure of the nucleon. Reports on Progress in Physics, 2019, 82, 076201.	20.1	67
12	Nonperturbative strange-quark sea from lattice QCD, light-front holography, and meson-baryon fluctuation models. Physical Review D, 2018, 98, .	4.7	20
13	Supersymmetry in the double-heavy hadronic spectrum. Physical Review D, 2018, 98, .	4.7	21
14	Universality of Generalized Parton Distributions in Light-Front Holographic QCD. Physical Review Letters, 2018, 120, 182001.	7.8	102
15	Analysis of nucleon electromagnetic form factors from light-front holographic QCD: The spacelike region. Physical Review D, 2017, 95, .	4.7	51
16	Supersymmetry across the light and heavy-light hadronic spectrum. II.. Physical Review D, 2017, 95, .	4.7	33
17	Implications of the principle of maximum conformality for the QCD strong coupling. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 98-104.	4.1	20
18	Determination of $\overline{\Lambda_{\overline{MS}}}$ at five loops from holographic QCD. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 105005.	3.6	16

#	ARTICLE	IF	CITATIONS
19	Superconformal Algebraic Approach to Hadron Structure. EPJ Web of Conferences, 2017, 137, 03023.	0.3	8
20	Title is missing!. , 2017, , .		0
21	Meson/baryon/tetraquark supersymmetry from superconformal algebra and light-front holography. International Journal of Modern Physics A, 2016, 31, 1630029.	1.5	30
22	Universal effective hadron dynamics from superconformal algebra. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 171-177.	4.1	56
23	The Spectroscopy and Form Factors of Nucleon Resonances from Superconformal Quantum Mechanics and Holographic QCD. Few-Body Systems, 2016, 57, 925-932.	1.5	4
24	On the interface between perturbative and nonperturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 275-281.	4.1	37
25	The QCD running coupling. Progress in Particle and Nuclear Physics, 2016, 90, 1-74.	14.4	200
26	Hadron Physics from Superconformal Quantum Mechanics and Its Light-Front Holographic Embedding. Few-Body Systems, 2016, 57, 411-416.	1.5	4
27	Superconformal baryon-meson symmetry and light-front holographic QCD. Physical Review D, 2015, 91, .	4.7	75
28	Supersymmetry across the light and heavy-light hadronic spectrum. Physical Review D, 2015, 92, .	4.7	52
29	Light-front holographic QCD and emerging confinement. Physics Reports, 2015, 584, 1-105.	25.6	362
30	Baryon spectrum from superconformal quantum mechanics and its light-front holographic embedding. Physical Review D, 2015, 91, .	4.7	84
31	The Light-Front Schrödinger Equation and the Determination of the Perturbative QCD Scale from Color Confinement: A First Approximation to QCD. Few-Body Systems, 2015, 56, 621-632.	1.5	17
32	Hadron spectroscopy and dynamics from light-front holography and conformal symmetry. EPJ Web of Conferences, 2014, 73, 01014.	0.3	5
33	Threefold complementary approach to holographic QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 3-8.	4.1	82
34	Effective confining potentials for QCD. Physical Review D, 2014, 90, .	4.7	69
35	Light-front holographic QCD and color confinement. International Journal of Modern Physics A, 2014, 29, 1444013.	1.5	4
36	Light-Front Holographic QCD and the Confinement Potential. Nuclear Physics, Section B, Proceedings Supplements, 2014, 251-252, 1-9.	0.4	1

#	ARTICLE	IF	CITATIONS
37	QCD on the Light-Front. Few-Body Systems, 2013, 55, 407.	1.5	3
38	Kinematical and dynamical aspects of higher-spin bound-state equations in holographic QCD. Physical Review D, 2013, 87, .	4.7	73
39	STUDIES OF NUCLEON RESONANCE STRUCTURE IN EXCLUSIVE MESON ELECTROPRODUCTION. International Journal of Modern Physics E, 2013, 22, 1330015.	1.0	193
40	Excited baryons in holographic QCD. AIP Conference Proceedings, 2012, , .	0.4	33
41	AdS/QCD and Applications of Light-Front Holography. Communications in Theoretical Physics, 2012, 57, 641-664.	2.5	3
42	Light-Front Holography, Light-Front Wavefunctions, and Novel QCD Phenomena. Few-Body Systems, 2012, 52, 203-222.	1.5	5
43	Light-front holography - A new approach to relativistic hadron dynamics and nonperturbative QCD. , 2012, , .		0
44	Evolved QCD predictions for the meson-photon transition form factors. Physical Review D, 2011, 84, .	4.7	103
45	Meson transition form factors in light-front holographic QCD. Physical Review D, 2011, 84, .	4.7	112
46	Light-Front Quantization and AdS/QCD: An overview. Journal of Physics: Conference Series, 2011, 287, 012007.	0.4	5
47	THE ADS/QCD CORRESPONDENCE AND EXCLUSIVE PROCESSES. , 2011, , .		1
48	Light-Front Holography and Gauge/Gravity Duality: The Light Meson and Baryon Spectra. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 89-96.	0.4	55
49	Light-Front Holography, AdS/QCD, and Hadronic Phenomena. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 5-15.	0.4	3
50	Gauge Gravity Duality and Hadron Physics at the Light-Front. AIP Conference Proceedings, 2010, , .	0.4	31
51	AdS/QCD and light front holography: A new approximation to QCD. Chinese Physics C, 2010, 34, 1229-1235.	3.7	9
52	AdS/QCD, LIGHT-FRONT HOLOGRAPHY, AND THE NONPERTURBATIVE RUNNING COUPLING. International Journal of Modern Physics A, 2010, 25, 5009-5024.	1.5	3
53	Light-Front Quantization Approach to the Gauge-Gravity Correspondence and Hadron Spectroscopy. , 2010, , .		16
54	Nonperturbative QCD coupling and its $\langle \bar{\psi}\psi \rangle$ function from light-front holography. Physical Review D, 2010, 81, .	4.7	150

#	ARTICLE	IF	CITATIONS
55	Gauge/Gravity Duality and Strongly Coupled Light-Front Dynamics. , 2010, , .		1
56	Light-Front Holography: A First Approximation to QCD. Physical Review Letters, 2009, 102, 081601.	7.8	257
57	Light-Front Holography and Novel Effects in QCD. , 2009, , .		4
58	AdS/CFT and Light-Front QCD. , 2009, , .		19
59	Light-front dynamics and AdS/QCD correspondence: Gravitational form factors of composite hadrons. Physical Review D, 2008, 78, .	4.7	131
60	Light-front dynamics and AdS/QCD correspondence: The pion form factor in the space- and time-like regions. Physical Review D, 2008, 77, .	4.7	365
61	Light-Front Holography and Hadronization at the Amplitude Level. AIP Conference Proceedings, 2008, , .	0.4	17
62	ADS/CFT and QCD. , 2008, , .		3
63	<font>ADS</font>/<font>CFT</font> AND EXCLUSIVE PROCESSES IN QCD. , 2008, , .		2
64	Hadron Spectroscopy and Wavefunctions in QCD and the AdS/CFT Correspondence. AIP Conference Proceedings, 2006, , .	0.4	7
65	Advances in light-front quantization and new perspectives for QCD from AdS/CFT. Nuclear Physics, Section B, Proceedings Supplements, 2006, 161, 34-43.	0.4	0
66	Hadronic Spectra and Light-Front Wave Functions in Holographic QCD. Physical Review Letters, 2006, 96, 201601.	7.8	362
67	Applications of AdS/CFT Duality to QCD. International Journal of Modern Physics A, 2006, 21, 762-768.	1.5	6
68	NEARLY CONFORMAL QCD AND ADS/CFT. , 2006, , .		1
69	Hadronic Spectrum of a Holographic Dual of QCD. Physical Review Letters, 2005, 94, 201601.	7.8	355
70	Light-front hadron dynamics and AdS/CFT correspondence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 582, 211-221.	4.1	188
71	Possible origin of fermion chirality and GUT structure from extra dimensions. Physical Review D, 1999, 60, .	4.7	1
72	Proton-proton spin correlations at charm threshold and quarkonium bound to nuclei. Physical Review D, 1998, 58, .	4.7	26

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73	Nuclear-bound quarkonium. Physical Review Letters, 1990, 64, 1011-1014.	7.8	177
74	Spin Correlations, QCD Color Transparency, and Heavy-Quark Thresholds in Proton-Proton Scattering. Physical Review Letters, 1988, 60, 1924-1927.	7.8	152
75	Charge asymmetry of the nuclear interaction and neutron-neutron scattering parameters. Physical Review C, 1987, 36, 691-701.	2.9	39
76	Isospin as a spontaneously broken symmetry of the electroweak interactions. Physical Review D, 1986, 33, 836-843.	4.7	1
77	Are there higher topological obstructions relevant to unified theories?. Physical Review D, 1985, 31, 1516-1518.	4.7	1
78	nn Scattering parameters $a_{nn}$ and $r_{nn}$ from the photon spectrum of the reaction $\pi^+ d \rightarrow \pi^0 n n$ . Nuclear Physics A, 1984, 420, 496-524.	1.5	50
79	Construction of grand unified models under maximal subalgebras. Annals of Physics, 1984, 155, 358-383.	2.8	3
80	Radiative contributions to quark and lepton masses in grand unified theories. Physical Review D, 1982, 26, 3701-3712.	4.7	0
81	Off-shell rescattering effects in the reaction $\pi^+ d \rightarrow \pi^0 n n$ . Physical Review C, 1980, 21, 2542-2546.	2.9	7
82	Perturbative Contributions to Quark Masses. Physical Review Letters, 1980, 44, 557-560.	7.8	10
83	Final-state interactions and neutron-neutron scattering parameters. Physical Review C, 1977, 16, 1976-1983.	2.9	11
84	A six parameter calculation of the 11S state of helium. Physics Letters, Section A: General, Atomic and Solid State Physics, 1973, 46, 297-298.	2.1	3